A Complete Bibliography of Publications in
Educational Studies in Mathematics

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA
Tel: +1 801 581 5254
FAX: +1 801 581 4148
E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: http://www.math.utah.edu/~beebe/

17 September 2022
Version 1.45

Title word cross-reference

\((-8)^{1/3}\) [TE97]. \(-2 = (-8)^{1/3} = (-8)^{2/6} = [(-8)^2]^{1/6} = 2\) [GR97].
$109.99US$ [Cor22]. $149.99US$ [Cor22]. 2 [MP96]. 2 \times 2 [Roo71]. $33.00$
[Mah21a]. $35.00$ [Mah21a]. 3bmc [Unc74]. $70.00$ [Mah21a]. \(dy/dx\) [Thu72].
i [Sch11b]. \(R^3\) [SP16]. \(Z\) [Rev76]. \(n\) [Bac71, Sch11b]. \(\epsilon\) [dV18]. \(S_4\) [Hah75]. \(\Sigma\)
[Gro77]. \(\epsilon\) [Roh10]. \(x\) [Mos98]. \(Z\) [ZG01].

[Roh10].

://doi.org/10.1017/CBO9781139045360 [Sfa15].
://www.springer.com/gp/book/9783030689551 [Cor22].

09 [SM22b].
1 [DWMB05b, EH05a]. 102 [PM19]. 10th [RR05]. 10th-Grade [RR05].
11-to-13-year-old [Ron68]. 11-Year-Olds [FB02]. 12 [Rut05, WN04].
13-to-15-year-olds [Dem97]. 13-year-old [Kie01]. 130.00 [Shv22]. 14
[Blu02]. 16 [BT05]. 17th [HbL05]. 1861 [Ste13]. 19
[AC21, Bor21, BRL22, DTD21, GG22a, HMSBT21, KM21, KDM21, KHY21,
1977 [Fre78b]. 19th [Dam87]. 1er [Cas69c, Cas69b].
2 [DWMB05a, EH05b, Pea76]. 2001 [Rut02]. 2003 [Ano04c]. 2005 [Ano06b].
[Kae94].

5-year-olds [Wri94]. 50.3 [Uhl03]. 5ème [Une73]. 5th
[Une73, OK05, RRP91, Wal73b].
6 [Bal90, Egs70]. 6- [VVV22]. 6-year-olds [LH18, Wri94]. 6ème [Une73].
6th [Une73, Wal73b, ZS07].
7-Year-Old [Eva07]. 7-year-olds [VVV22]. 7th [BCFF+98].
8-year [WC08]. 8th [AF05, RRP91].
90th [Pai18]. 978-0-521-76166-6 [Sfa15]. 978-1-107-68569-7 [Sfa15].
978-1-139-04536-0 [Sfa15]. 978-1-4758-4479-4 [Mah21a].
978-1-4758-5480-0 [Mah21a]. 978-1-4758-5481-7 [Mah21a].
978-3-030-68955-1 [Cor22]. 978-3-030-68956-8 [Cor22].
978-90-04-45966-3 [Shv22].
être [TLM07].

did| [Eng75, Eng76]. Abbreviations [Nar00]. Abduction
[Mey10, PR11]. abductive [KJ22]. Abilities
[Eng97, AKL80, Bis80, SM72, VP13]. Ability
[Cla07, MC01, Rut87, AG83, BCLH89, Dek87, EJ13, FQL+17, HH78, Hod96,
LC81, PC10, SVLO20, Tar99, VR90]. Aboriginal [Gra88]. above [HP03].
above-average [HP03]. Absolute [AI12, MH97, SBP11]. Abstract
[Haz99, Arm69, Cob86, DL14, FC12, GE98, SW14, Tic12, WR96].
Abstraction [Bre22, Haz99, HZ05, Kid08, MO06, ES96, GE98, MW00,
NFFAP20, Sch16, WDvO19]. Abstractions [Nar00]. abused [TTL+13].
Academic [CBSP12, RC04, AAB03, Cas04, Cob87, EPQH18, Eve99, Hah14,
Analytic [Tan91, Vin97, DF15, LH09]. 
Analyzing [BCLH89, BHLH85, Cle80, FCN14, HHB21, RNP13, Ste05, dV18, BTvG+17, CHK22, FBA10, GL10, Han12d, LE09, MYM12, Rob12, TMH21]. 

Analytical [Tay91, Vin97, DF15, LH09].

Anniversary [Bag08a].
VPR21, Vil71, Vin75, Vin77, Wit80, YG99, Yer00, vSBvR00, AP75, CGS76.

Approaches [Mor00, TER98, Cra96, EK10, GG22b, Gra91, HPS+19, ICR20, KBK+17b, KFS01, KR11, MCKP19, MCVM13, Moo20, El 18, RR17, TRDA20, KBK+17a, JV17]. Approaching [Bja20a, Bja20b, FLM07].

Approche [AP75, CGS76, Com77, BC78, bL00, Rev76].

appropriate [GBMB70]. Appropriating [Car10, Mos04]. Appropriation [BC82, SHG07, bL00, Rev76].

argument [Bar07, MS20, Sho21, YE16]. Argumentation [Dou99, Web18a, Web18b, AS11, CSS+14, IMRS07, Kru13a, MP14, MPZ16, NBZ12, Ped07, WB11, ZC22]. argumentative [AWE22, PHS12, TRDA20]. arguments [Jan74, MPZ16, MS20, MYM12, ZWMR16].

Arithmetic [GL98, Gri87, GB17, SS05a, BFG84, BMK21, Cob87, Fin22, Fra13, Gal02, GFOWL11, GE98, Gra91, GSi18, HL94, JR72, Jer73a, Jer73b, JC22, Kie69, LCD90, LW89, Lev81, Lie90, LH96, MP14, Nes76, NK77, PCC19, SSSP20, SLS74, Sla15, Sl98, Tre87, Van03a, VG19, WMN22, vLXD18, SB97].

Arithmetical [BEW99, Lan86a, FV13, FVJL+19, LHS19, MS09, Sem84, TW09, VV13, Ver79, VR90, Lab78]. arithmetico [HSZ17]. arithmetics [Vin75]. art [CKS22, Fri21, KC22, LT20]. art [MB09, MK14, Ola14, Rad14].

Articles [Dre07]. Articulating [SK13]. artifact [Sad21]. Artifacts [Bon13].

As [BC05, CGD21, Fri11, Lab78]. Aspects [El 86, Gal81, New98, Nis99, Ste91, Tre87, Van03a, VG19, WMN22, vLXD18, SB97]. aspiration [Kle12]. aspirations [BWM+19, WS18]. assemble [FF17]. assemblages [ML20].

Assessment [Coo98, DKB19, HI94, I05, SS05, SD13, SWLO20, Hay87, JTP94, JML97, J115, SGB12, DKB21]. Assessment [AKL80, Ban11, Eva07, Wat05, WI01, BL22, BH95, BLP10, BJJ22, BAZF04, CB19, CWP02, EN79, Em84a, FKC17, FGA94, Fre13, ICR20, LORS2, MRF+12, MO94, PY22, Rut94, SS15, SGCA18, TJ94, TPH07, Ttu07, Van94, Wi17, Bu76]. assessments [MM11]. Assessors [Wat00].

associated [Une73]. assisted [GS72, GS76]. Assisting [BSF96].


Astonishment [Rot17]. astray [BSV95]. Asymmetry [SJ17].

ATD [BGT17]. Attached [Dim04]. attainers [Bac89]. retaining [DB86a, DB86b, SG21]. Attainment [FB02, APS22, Bla85]. Attempt [SSLM+05, Van94]. attending [SMFL19]. Attention [NN07, Bart03, PPPP14, VGJ19, WHE09]. Attitude [Han02, RMA98, TA08].

Attitudes [GH98, MRC18, PC98, Wat05, hMYT98, CPP09, Che88,
ND88, Nun95, Ott96, Pai18, PD91, PB84, Pim91, Pim93, Pre07, Rad11, Ric20, Ric10, Rut02, Rut10, SF84, SM83, Sel00, Sfa15, SJS12, Shv22. Book [SBS86, Sri18, Sta11, Sto22, Tab22, Tep20, Tsa02, Wal10, Wal12, Wal17, Web18a, Whe96, Win11, Wb84, Wit82, WQTV85, Wub92, Yam09, YK20, ZB19, dF12, vBP19, BP22, Fit09, Fit15a, Bja20b, Mah21b, Web18b]. books [Ste13].


Cognition
[BR06, GS08, Tsa02, BC12, Car08, NF09, NEM99, Pro13, Rad09, SP19].

Cognitive
[AAT99, Bag06, Dah04, DS05, Duv06, Kiic81, Lec92, LH06, PPC09, SA07, Sid05, SW94, Wat07, AOJ22, CPPT+13, CF00a, FG17, Fre99, FM09, Gal19, HL94, Ior17, Ior18, KBK+17a, KBK+17b, KC09, LD88, LH96, McD89, PCP19, RL12, Sfa15, Sou83, SRR22, TK14, TF95, Wat02, Yan12, vLXD18].

Cognitively [HMNB20]. coherence [CDW14, RBWS18]. coherences [Mey10]. coherent [IB19]. coin [Sfa91]. collaboration [Cor17, HHHB21, KM18, TS18, Tab22]. Collaborative [DEM04, DEMW06, PDV07, PPSZ19, RL00, Bju04, Car10, Fra13, FDW19, GG96, GGR02, HGM15, LOMG+20, MYM12, NCC22, Ryv04, SB20].

Collaboratively [CM20]. Collected [Fur22]. Collection [FB98]. Collective [MT15, CSS+14, ES21, Ge08, MCR11, RWZ15, ZC22]. College [FMA20, Rut05, WW07b, WN04, Wil05, Bag73, Har09a, Hol81, MWSS17, O'B73, QM94, Rot14, Sha77, TJHD11, Wai70, WM09, dVSKvO18, SE93].

Colleges [For69, For69]. colloquium [Fre69e]. Colombian [AV08]. color [AZ20, Bat13]. colours [NFFAP20]. column [Her02a, Tre87, WHC09].

Combatting [RR80]. combinations [SRR22]. combinatoires [Dub84]. Combinatorial [FG97, GBR05, Kap70, LG16, BNPG97, Dub84, HH81].


comes [SS03]. Coming [Bur98, SS06, Whi87]. comme [Art97, TLM07].

Comment [AAB03, RC04, Ser68, Fit15a, Fit17, Kei82]. Commentary [Ber06, Col21, Fit14, Rod06, Sch12, See01, Tab13, Ver12, Adl19, AGP15, FV22, Han19, Obe19, Pea76, PM19, Sfa09, Sia93]. Comments [Hof06, Mar72, Rah86, Uhl03, Bur02a, DRR02, Dra14, Gri78]. commercial [Kir69]. Commission [Ano09, Ano04c, Ano04d, Art05, How84, Rie10].

commitment [RR11, Shv22]. Committee [Art05]. Commognition [Pre16].

Common [ZML87, Fit15b, Fur22]. commonalities [Bur02b]. commonly [Hew12]. communicate [BCLH89]. Communicating [SLP06, Sfa01, Win11, Woo12]. Communication [Big70, Kae94, Ong06, BH95, HP08, NR10, RNP13, SS15, Wil09].


Commutative [SS06]. commutativity [SL74]. Comparative [Aud09, DAJ20, Muy17, War06, Bra11, CM20, FZ07, Gal82, JI15, LCD90, MRRF94, YSL22]. compare [SVLO20]. compared [Fre75]. Comparing [BWD10, Hin15, WM98, Fos18]. Comparison [BCFC90, CK15, CBF07, Pug04, Tsa99, WAL18, AH00, BKK22, CR09, Cla92, CF00a, Cor17, DT08, FKC17, GCALB15, Han20, HC14, KV75, SLC95, SHAC01]. comparisons [FLT14, Rob90]. compass [Cha98]. Compendium [Ell18, Ell18].
compensation [Dem93]. competence
[Abro1, CGD21, CLR16, EN79, EPQH18, ERS19, FT03, Fos16, GMHG09, Hie98, KBK21, Obe19, TH13, Urb93, CLR16]. competencies
[AC21, AV22, CLK22, CKS22, FV22, GGD22, KBK+17a, KBK+17b, LLHL13, LK22, NH19, Sae09, YSL22]. competency [DMHRV21, DBL22, CJ19].
Complementary [Wit71, Kid08, Wit81]. complementizing [SP19].
completed [RW11a, RW11b]. completely [Sur77]. completeness [Ber08].
Complex [Lab00, DS17, Gol03, KRHD15, LMCG08, SRR22].
complexifying [SP19]. complexities [Mat03, TMH21]. Complexity [ODV06, BWD10, Gri83, HTM18, JP09, Kap09b, LE09, Pla18, Tho93, Was15].
Components [Cop98, Kun12, Kry88b]. comportement [Add72, KC73].
Composantes [Cop98]. Composants [Kry88b]. Comprehending [Uhl02, Bur02a, DRR02]. Comprehension [CF00b, Du06, OSt06, DAJ20, Gel98, KCS22, MRFW+12, Rob75, YL08, Yan12]. comprendre [Kra02].
comptage [TB09]. computation [CB89, MNRR95, PLW81].
Computational [Edw84, JS99, JM74, Zah15]. Computer [Ern86, GH98, GS76, VL04, AP75, BC92, CJ75, CBSS96, Dag96, Gan92, GBE13, GS72, HC95, HKG89, Jah83, Kor03, Kyn93, MG00b, Nos88, RH02, Sam85, Smi70, SW04, SLJ69, Sut89, TA08, TT01, TP08, Thw69, Wal68, You68].
Computer-assisted [GS76, GS72]. Computer-Based
[VL04, CBSS96, GBE13, RH02, SLJ69]. computer-provided [HC95].
Computerized [Kap01, HN96, Tro04]. computing [Art97]. conceiving [TLM07]. Concept [BM08, DWM05b, DWM05a, FB98, Has97, HM95, LW99, PLW81, Pr05, TV81, BS80, DPG89, FYAE12, Fis77, FJC95, Fre69c, Fre93, Gel04, GiC13, HS22, KC12, Kor03, MO81, ML20, MRCR11, Noc80a, Noc80b, Rad21, Rei96, Ryu04, Sah03, Sam85, Sem08, Sim17, Ste91, Str78, TP14, Vin76, Vin77, WSR11, Wit73a, Wit73b]. conception [BDHN92, MPGDA12, Mos98, PP12, Sim17, TT07, Tzu07]. Conceptions [GT95, ST92, Sch11a, AV08, AH00, Boa02, BHN10, BF96, GS18, HS13a, HK84, LK16, MK97, NH15, Par91, PB21, RMA12, RT09, Sfa91, ST10, TK14, Tha10, Tho84, Wou12]. Concepts [Bag06, BH05, DDL97, Haz99, Kie81, RL12, BL22, Bur96, Cha98, Cla12, CBSS96, CBSP12, DC92, DB86a, DB86b, ID95, DDL94, FPS16, Fis93, GFWL11, GT95, GB14, Hah75, Han19, HC95, JSV75, KZ94, Kon18, LZ95, MS69, MW00, PM15, PH96, Sch16, Sch11a, Sem84, Shr10, SL74, SKPS16, Sin00, Tch11, TS93, VA18, Ver79, WS08, YC95, Zen18]. Conceptual [Cas98, PBR+04, Vin79, BP15, CG21, Edw09, HK99, JK17, KWF15, LMW91, Mar13, Nos86, PM00, RBWS18, RR80, Sae09, SSPS20, SV13, Sle82, Vou12, ZW21].
[CP10, CEMP04, TW09]. concerns-based [TW09]. concevoir [TLM07].
conclusions [HM95]. conclusive [Vre69]. Concrete
[Cob86, Arm69, Die71, DL14, FM14, SW14]. concretization [Sem84].
condition [Her02b]. Conditional
[AKL80, IS08, IS09, CV16, GT95, Had77, HH78, Had78, Mar86].
conditionnelle [GT95]. conditions [Her11]. conducting [CW96, dPQ16].
conduit [Rot14]. Conference [Fre78b, Ano71b, FE09, Tab22]. Confidence
[Fos16, FW CW22, Gra04]. configurations [Dub84]. Conflict
[Wat07, Zev06, BW13, DC92, Gal19, Pre88, Wat02]. Conflicting [HMMG18].
conflicts [BG69, DC92]. confronted [Ger04]. confronts [Fic14]. congrès
[Fre69a]. Congress [Ano91c, Fre69a, Fre69c]. congruence
[Ste71, Zas71, ZL91]. congruent [CCRD22]. Conic [Ano84c]. conics
[Pic71, CGGG79a]. Coniques [CGGG79a]. conjecture [Blo03, FG17].
conjectures [AI08]. Conjecturing [LS11]. Connecting
[NHH97, Sut93, BF22, Gra20, HHL22, LLW07, MDPW96, Fur22].
connection [LW89, Moo20]. Connections
[ASP97, Del69b, Pre06, DS17, EVR16, KL14, Loc11, MK14, SG98b, Tch11].
connectives [Rob75, Zep82]. consciousness [BR12, SRP21]. consequences
[D'A91, Gra91]. conservation [Kor03, KSL11]. consider [LW14, Nkh02].
consideration [BCE19]. considerations [DG03, LH18, NBZ12].
considered [RR17]. Considering [BLC20, HSM22]. Consolidating
[THS06]. Consolidation [MO06, Kid08]. Constant [YG99]. Constantin
[Fur19, Gra20]. constitution [Str78]. Constraints [Ste05]. construct
[APN01, DR13, McQ86, SM22a, ZW21]. constructed
[SJ17, Sin03, Sin00, Zen18]. constructed-response [SJ17]. Constructing
[GMGH09, Lam15, LSH09, Nos86, PGV22, Sch16, THS06, Abr09, AP01, ETC14, FQL+17, Hum86, JS01, KP10, PK92, SAR19, Web01, WJW11].
Construction [Eng06, MDD04, NHH97, OB06, OPC+98, WMN22, AC95, Bar09, BZA01, BC06, CHK22, GPPT99, HS99, HM13, Kom17, Kon93, KCS22, MB09, MRCR11, MYM12, WR96, XA20]. constructionist [MK14].
constructions [KD10, SS09]. constructive [SS03, TJ94]. Constructivism
[Ler89, Loc92, Ste98, Zev96, Har09b, Eng99]. Constructivist
[MHDC04, ODV06, Ant96, Bau92, BJ88, PK92, Rot17, SS91, SS93a].
constructs [RDH10, Sin17]. Consumer [Eng06, ETC14]. Contemporary
[Feh69, BW12, Ell18, Wil12]. Content
[BE84, Dör33a, Boa93, CLSM17, DVT+18, GMNB18, GSW22, GB17, GS18, Jan09b, KS69, Kom16, Kun12, MM11, McD89, VP13, dVSKvO18].
content-oriented [KS69]. Contents [Ano01a, Ano02b, Ano04h, Ano06a, Ano00i, Ano01f, Ano02g, Ano02h, Ano03e, Ano03f, Ano03g].
contests [Ano90]. Context
[Cha06, Don99, GD99, LK14a, Men07, SA07, Sty07, ZC06, AV22, AVM15, BFG84, Bis88c, Boa93, CV16, DVC19, FK17, Kru13a, LSH09, LH18, LH96, LLL21, MIP15, MWVE09, M094, Mwa02, NEM99, ORS71, PK17, SB97, SPF14, Swe95, TP14, TE14, Wed99, WvdHPD15, Yim10, ZW21].
critic [GP22]. Critical [Bra14, Che90, GFJ13, IE07, Kei82, RC04, SB12, AAB03, Bra11, BSW16, Bur90, CW14b, GM84a, GM84b, HP12, HC82, Kap74, LK16, MW19, RK17, Rot21, RC02, RNC21, Sko85, Sko94, SRP21, VDWV04, Wei17, IRA16, BMK21]. Criticising [Kol16]. Criticism [Bra14, Che90, GFJ13, IE07, Kei82, RC04, SB12, AAB03, Bra11, BSW16, Bur90, CW14b, GM84a, GM84b, HP12, HC82, Kap74, LK16, MW19, RK17, Rot21, RC02, RNC21, Sko85, Sko94, SRP21, VDWV04, Wei17, IRA16, BMK21]. Critique [VH75, Gre17]. Criticisms [Pai11]. Criticising [Kol16]. Criticism [Bra14, Che90, GFJ13, IE07, Kei82, RC04, SB12, AAB03, Bra11, BSW16, Bur90, CW14b, GM84a, GM84b, HP12, HC82, Kap74, LK16, MW19, RK17, Rot21, RC02, RNC21, Sko85, Sko94, SRP21, VDWV04, Wei17, IRA16, BMK21]. Criticising [Kol16]. Criticism [Bra14, Che90, GFJ13, IE07, Kei82, RC04, SB12, AAB03, Bra11, BSW16, Bur90, CW14b, GM84a, GM84b, HP12, HC82, Kap74, LK16, MW19, RK17, Rot21, RC02, RNC21, Sko85, Sko94, SRP21, VDWV04, Wei17, IRA16, BMK21]. Criticising [Kol16]. Criticism [Bra14, Che90, GFJ13, IE07, Kei82, RC04, SB12, AAB03, Bra11, BSW16, Bur90, CW14b, GM84a, GM84b, HP12, HC82, Kap74, LK16, MW19, RK17, Rot21, RC02, RNC21, Sko85, Sko94, SRP21, VDWV04, Wei17, IRA16, BMK21]...
Decision-making [Bis76, FDW19]. decisions [Ecc85, MZ18].
Deconstructing [Hin15]. deconstruction [MB19]. decor [Dum82, Dum82].
decreasing [AS17]. Decroly [Lib71]. decryption [Whi09]. dédoublement
[Duv83]. déductif [AM97, Duv91]. Deduction
[Cha71, Sid05, Chr69, Mes89, Mot71, Cha71, Mes89, Mot71]. Deductive
[AE08, Jon00, AM97, Duv91, Jan74, Kom16, MP14, MFJ17, Rot21, Sim96].
Deep [Sen08, WD05, Fre71, Mev83, SD13]. Deepening [ZC06]. deeper
[PXTW17]. Deficit [Sol06]. Define [TE97]. Defining
[MF97, AS17, FDW19, OB11, Tay91]. definite [Jon18]. Definition
[OB06, GJ19, MRCR11, Roh10, SG14, TV81, Vin76, WSR11]. definitional
[Vin77]. definitions [OB11, Roh08, TN15, ZL08]. deformable [MP96].
Deformation [OB75]. deforming [AMMS20]. degré [PRR08, Rev72]. degree
[Ger10, XXL21]. Deleuzian [ML20]. d'élèves [De 94, DS02, GT95].
Deliberate [STM06, BC12]. Delphi [MM11]. demand [AOJ22, Kiöc81].
demanding [HMNWB20]. demands [CW14b, GG22a]. Démarches
[DP77, ZP91]. democracy [Skö90]. democratic [Tay91]. demonstration
[CLR16, Duv91, Pas78, CLR16, Duv91, Pas78, Rut02]. demonstrations
[Bal80, Kon72, Bal80, Kon72]. Denkstufen [Van76]. denominators [Str82].
denseignants [PRR08]. d'enseignement [BC92, Rous]. d'ensembles
[DeB97]. d'entrainement [Cal94]. d'environnements [Art97].
Department [WD14]. Department-initiated [WD14]. departments
[BWD10]. depicted [TP15]. depth [Bek10, DVJV02, Han12a, HMA13].
Derek [Jon16]. Derivative [ASP97, MZ12, Par15a, Par15a, Par16, Zen18].
Derivatives [Hir72]. Derive [Art97]. Describe [HDM07]. describing
[BWD10, Dra14, Hoy01]. description [vdS11]. Descriptions
[Pug04, Bar09, MK97]. descriptive [BR22, DB86a, Fri21]. design
[Abr09, AGP15, Bel93b, CSK12, DVL22, Fre71a, Fur22, GGD22, Had78,
Hah14, MM11, PPSZ19, PHS12, Row08, Sin03, Str93a, Wit95]. designed
[CM20, RIA17]. Designing [Bas17, LC08, SW11, Wit05, HN96, Hoy01,
JN15, Ric20, RSK08, SV13, Van93a]. designs [MW09]. desolve [JMA19].
dessin [Bal88]. dessins [Bal88]. details [Ell18]. Determinants
[Tie02, GLH20, Nes76]. determination [GP17, Kon72]. determine
[CVN21, Kon72]. determining [SPNH12]. deterministic [MZ18].
d'étudiants [Cal94]. deux [Del08, TSV82]. devant [De 94, DeB97]. d'éveil
[Mes89]. develop [TJ94, ZB19]. Developed [Ryo06]. developer [Art97].
Developing [BH05, BWHM+10, BC12, Fos18, GLZBZ15, GGD12, Gol03,
IB19, LXT02, MPM15, Mor00, PBY03, PXTW17, SS15, TD12, TH13, Vek71,
Wat07, Wit01, Ale81, Bak14, CSK12, GFJ13, Hie88, Hoy01, JN13, Shr10,
SS88, TN15, TDEML13, VR90, YTD11, Cor22]. Development
[Ano04d, BDHN02, CBSS96, CB00, Dah04, DP99, Eng97, GBR22, II05,
Jaw03, Kru13b, LC13, MW00, OK05, Riv07, Rob75, Sfa15, SA07, Wal73a,
WM01, Wat01, Yan19, Ano71a, Ano76a, Bar88, BL22, BR22, BS94, Bro14b,
BTvG+17, CPK08, Cha98, CWH19, Cra96, Ell13, ES96, Eve99, Fis69, Gel08,
GE98, GGR02, HM95, HPS+19, HM13, HMMG18, HMSBR19, HMNWB20,
HHDG16, HMT13, JSV75, JP09, JE14, Kap77, KWF15, Kru13a, LDM92, Mas69, NT01, NGR82, Noe80a, Noe80b, PSS+19, RL00, SM17, Sem08, Sev22, SS91, Sou83, SJ04, TS18, TP14, VC19, Van69b, VVV15, VWW21, Van71, VYZ21, Wil16b, Win11, Wit69, WDvO19, Wri94, XH88, YC95, YK20, Zas71, dVS KvO18, DB86a. developmental [FMA20, HYC97, Han19].

Developments [Kap80, Sfa13, BP15, CKS22, Fey89, Vol76].

devoppement [Kap80, Sfa13, BP15, CKS22, Fey89, Vol76].

Devices [Baz01].

devil [Fre71].

devils [Vog70].

Devising [AG14].

devoir [Cop98].

devolved [SHG21].

devoted [Beg71].

d viraison [Kry88b].

d'exemps [BP15].

d'exploitation [BZ01].

d'habiletés [LDM92].
diagnostic [Bel93c, DB86a, DT08, FWCW22]. Diagram [dFS12].

Diagrammatic [BH05, Kru13a]. diagrams
[CH13, Fre69b, Ng16, PGE99, Van69a, Vre69]. dialect [Win11].

dialectic [AG02, Bar16]. dialectical [Rad21, SPS17]. dialectique [AG02].

dialog [HJ12].

dialogic [FDW19, KWF15]. Dialogue [BGT17, Zev06, Bar16, BB03, Con90, LK16, WHE08, ZG01, ZK15, Web18a, Web18b]. dice [Nil07].

Didactic [BBEG05, DGA05, Flt05, Gel04, HPG05, Jah01, Art97, DG03, Sch83, TH13, Van69b, Val76]. Didactical [AL78, BG05, MD01, MOV9, Usi85, AMB92, Fre93, PvdHPR12, Ste69b, Van94, Van03b, Win03].

Didactics [Fri07, Str08, BB03, GoF77, Gre17, Tep20, WMM13].

didactiek [Gre17].

didactiques [Art97, TSV82, Van69b]. Didactising [YSRU03].

Didactizing [Pre03]. didaktische [Wal76].

didaktischen [Ott76].

Diego [GS20].

difference [Sol06, VL04, Dör03a, ETC14, Mon00, SPNH12].

Differences [BH97, Mar13, Zev04, And89, Bur02b, Che89, Cle79, Eli85, FP85, GR71, HH88, Kae88, KM93, Led85, Lin88, LLHL13, Mon00, SC17, Say94, WL90].

Different [BCF98, Ber19, FB02, GL00, HH88, HU05, MCKP19, Nil07, SRR22, Van93a, BJ13, BB03, CW14a, HPS+19, Kid08, KAH10, KHRK15, Lan15, Lev13, MTBR16, MVWE09, SP16, SRA91, ST20, SC93, Str82, TAH08, VN19, Wal70, Cas69a].

Différentes [Cas69a].

different [Ade98, Eva07, Min83, Zen18].

Differentially [Kni12].

differentiation [Noe80a, BMP20, Orť3a, vdKG22].

difficult [GFWL11].

difficulté [DeB97, TLM07]. Difficultés
[Add76, Gro77, SB97, VD78, VD79].

difficulties
[Ale81, Bag06, CCRD22, AG21, GL10, Gro77, Has81, Hew12, HM13, KR11, PL15, SB97, VD78, VD79, Add76].

difficulty
[DeB97, Jan74, JRT2, NES76, TLM07, Web01].

Digging [Men20].

digit
[Csi16, PDT+12, Sol01].

Digital
[HbL05, LK14a, MK14, Art15a, BulSDa18, Cal12, GJ19, Jzn13, KML22, KL14, Nos01, SQA20, Tab22, Wal12, XXL21, Rie20].

dilemma [SPC+16].

dimension [Ie18, Way94]. dimensional [Coe92, Mit80].

dimensions
[Bau80, Boy16, Edd18, Str18].

d'indépendance [Mau85].

d'individualisation [Gau69].

d'initiation [AM97].

d'instruments [bL00].

d'intervention [Deb06].

Diophantus [Har87].
direct [Ler85, Mah21a, Mah21b]. direction [Bur80a, GCALB15].
directional [AGL17]. Directions [BRE20, CL20, Sfa13, SEC13].
disabled [HM13]. disadvantaged [SL74]. Discernment [LBFM13, JM18, NHO22].
disciplinary [DR13, VRP+12, VN19]. Disclosure [SSA20].
disconnections [Gra20]. discours [Bos87, Rob95]. Discourse
[EPQH18, MHDC04, PW03, See01, AWE22, BF21, Bos87, Bra14, CH13, FF21,
Gič13, Gič16, HEW10, HEWC10, HMSBR19, JB21, Jun91, KFS01, Kie01,
KB11, Par16, RC20, SG14, Sfa01, TJDH11, Wal17, XC19, Zev96, lRA16].
discourse-rich [HMSBR19]. Discourses [Ryv06, Bar16, DVC19, Kon21, Kon22, Rob95, Ryv04, SA00, VN19, Win11].
discoverer [Hol73]. discovering [Mey10]. discovery [FA76]. discrete
[DH90, Kid11, Wit80]. Discursive
[EMT06, Let01, KB12, Ric04, Win03, AX20]. discursive-graphic [Ric04].
discursivo [Ric04]. discursivo-graphique [Ric04]. Discussing [Vil10].
Discussion [Ano00d, Ano04d, BT05, Blu02, FvM97, ZS07, Ano68b, Bus96,
CKS22, Ern84b, Gut07, Hoy85, LW94, O’C01, Pal16, PS88, Vou16, Wal76].
Discussions [McN00, Jan09b, MFG22, SGB21, WMPL08, dPQ16].
Disentangling [GH98]. disjunctions [DC17]. Diskussion [Wal76].
disorder [Sri18]. Displayed [MM00]. Dispositions [Nol12, SLM79, Zev11].
Disruption [CM92]. Dissecting [KK13]. dissenting [dF04]. Distance
[DTD21, SLW83, AAP21, RP21]. distances [RP21]. distinct
[KRHD15, TLM07]. distracting [SLM79]. distractrices [SLM79].
Distribution [BH05, LLHL13]. distributions [NH15]. distributive
[DL14, HL16, MM20, SM17]. diverging [Gra91, GPPT99]. diverse
[Cra12]. diversity [SJSL2]. divide [Dem93, Ern16b, JP09]. diviser [Dem93].
Division [OK05, GT90, HC95, KPH10, Lee17, Neu99, PM16, RL12, SW95,
SS10, Sun11, TSV82, TG89, Ves71, Yim10]. Do
[GG96, MB16, Mku04, Ala12, AK19, Bur98, CDW14, EK10, For00, HDM07,
HH11, HBZ98, Kar02, KL20, Kon20, KR11, NCC22, Par15b, Par15a, Por90,
Rad09, Rob86, WBM+20, WJW11, YM16, ZB19, dF16]. Doctoral
[AI08, GPW05, Her02b]. Document
[An00d, Ano04d, BT05, FvM97, Blu02, GMNB18]. documentation
[GMNB18, GT09, MR17]. Does [Ade90, Bro10a, FQL+17, FG84, GSH16a,
How80, IHR+11, SAR19, VL04, AC21, BSV95, Czo18, DBL22, Eng76, FB17,
GBC12, Mon06, Mor06, Sca75, VLY21, YE16, GSH16b]. DOI [Sfa15].
doi.org [Sfa15]. Doing [Bur90, Cor17, LM11, OLW20]. Domain
[HB05, MOS05, SL19, BN06, Gal02, Kon18, Kun12, LLZ20, RK17, Mor00].
domain- [LLZ20]. domain-related [Kun12]. Domain-specific [SL19].
dominant [Abt22, Dom19]. Donevska [Tab22]. Donevska-Todorova
[Tab22]. données [GT95]. don’t [JB21, WHE08]. door [MW19, Swe77].
dosage [CW14b, HB21]. double [Fri11, PW22, dKBvdS22]. double-blind
[PW22]. double-edged [dKBvdS22]. douze [De 94]. down [Loc92]. Dr.
[Bac21, Pea76]. dragging [Ng16]. dragons [Vog70]. Drawing
[CPP07, ST10, Bal88, Bus96, Lén93, Mit80, MB19, RSL17, dKBvdS22].

drawings [Bal88, CSK12, Ger88b, Mar86, MB09, VO17].

Dreyfus

[Fit15b, Rad11].

dual [Sfa91].

d’un

[Mea83, For69, LDM92, ZP91].

d’une [BC92, Bra68, CLR16, Her11, LD88].

d’université [BL20].

duoethnography [ZK15].

duplication [Duv83].

During [DEM04, AWE22, BCZ21, CCW95, CPK08, DTD21, GB14, HHL22, Jan09b, JMRW22, Kap01, KDM21, Kyn93, LOMG+20, PT09, Rad03, SB20, dVSKvO18, lDlzN21].

Dutch [vSBvR00].

Duval

[Rut02].

Duvalian [Ior17].

dyadic [THS06].

dynamic

[GPW05, HHS00, Jon00, Lab78, LBFM13, LL13, MG00b, MAHK08, NHO22, PPC09, Rot16, Sin03, TY04, YS12, Zen18].

dynamics [AT21, OCA13, VGJ19].

dynamique [Lab78].

dyslexia [LH22a].

E.

[Bag08a].

each [Fra13, Sfa15].

Early [BBFG99, KPS83, Mos05, Neu99, VWV21, ZC19, AAM21, CPPC18, CS19, FS16, FF21, Her02a, JC22, Kru13a, LBT22, NFFAP20, Sam85, Tak18, Van03a, VAM21, VMIN1, vHPKR13].

ears [Sfa01].

earth [Ano84c].

East [Leu01, Leu05].

eBook [Cor22, Mah21a, Slv22].

ecole

[AR82, AG02, BD72, Cas69b, CDGG76, FPM69, Gla76a, Mar69, Roy81, Fri21].

ecological [GBC12].

Economic [II05, Kae90].

Economy [As5].

Ed

[Ell18, Goo20, Gra20, Gue19, Mah21a, Mah21b, Pai18, Sfa13, All99, FSY22].

edited [dKBvdS22].

editor

[Bak19b, Han98, Fit15a, Fit17, Tun04, Wil05].

Editorial

[Ano85c, Ano88d, Ano98g, Ano99b, Ano00e, B.88, Bak19a, Bak20, BW21, BW08, Bis79a, Bis85, Bis88a, Bis88b, Bis97, Bis90, Bos93, Dör95b, Dör95a, Dör95a, Dör93b, Bis97, Bis90, Bis95, Bis96, Bis08, Goo14, Goo15, Goo16, Goo17, Goo18a, Goo18b, JGM00, KFS01, PW22, Pre09, Pre10, Pre11, Pre12, Pre13a, Pre13b, Rut96, Rut00b, Rut00c, SLP06, Sie01, Sie02, Sie03, Str93b, WP22, Add87, Ano86d, Bel93a, BW12, Bur94, Cob94, Dre95, HG93a, Lab92, Led95, Lef96, Mor14a, PM19, Rut89b, vG92].

Eds

[Art15a, Art19, Bak16, Bja20a, Cor22, Edd18, Fit11, Fit15b, Fri21, Fur19, GB19, HJ12, Hes13, Jon16, LT20, Law16, LX16, MR17, Men20, Rad11, Ric20, Rut02, SJS12, Sri18, Sta11, Sto22, Tab22, Wal17, Web18a, YK20, vBP19, Eng99, Tsa02].

edicated [BJJ13, VV13].

Education

[ABK'05, ACJO04, AF05, Ano72a, Ano00h, Ano04d, Ano16b, Bus05, CF03, CGGG74, Ern99, Fre69a, Fre78b, Fre82, GSE07, Gau69, GL00, GD99, GPW05, Kui13, Kei82, Kru13b, Kry69a, LH98, LH06, Leu01, Men07, Mor06, Nis99, Ong06, Rad12, Ser69, SK98, SK07, Web18a, Web18b, ZEBH06, Zev06, AAP21, AT21, ARW22, AMMS20, Ano69, Ano76e, Ano81b, Ano88e, Aud83, AH79, BRE20, BGW'14, BCZ21, Bal90, BBS07, BGSW94, Bec19, Beg69, BD72, Big70, Bis80, Bis88c, BWXM'10, Bla78, Blu02, Bor21, Boy16, BP80, Bro11, Bro80a, Bro10b, BC12, BW12, Bro12, BSW16, BG69, Bur02b, Cas96c, CSW21, CPP09, Che90, Cor22, D’A91, Dar16, Del68, DS21, Dör3a, Edd18, Ehr78, El 78, El 86, Ell13, Ely10, Eng69, Ern16b, ES03, Fen79, Fer15].
education [Fey78, Fey89, Fis69, Fit11, Fit15b, FB17, FC08, FB11, Fre78c, Fre78d, Fre79b, Fre81, Fur07, Fur19, Fur22, GCG+92, Ger81, Ger88a, GK79, Gof93, Gol03, Goo20, Gra88, Gra20, Gri83, GB17, Gui17, GB01, Gun78, HV78, Han10, Har81, HEWJ+15, HJ12, HMSBT21, How73a, How73b, How78, How80, Hoy01, HHL22, Jab83, Jan09a, Jan81, Jin07, JMD08, JV17, Jon18, Kap80, Kap78, KS69, KF81, Kol16, Kol18, KM21, Kol21, KDM21, KLMK+13, Kry68, LT20, Lar86, Let89, Let20, Lle12, Lle16, LMM70, LVQ04, Lun12, Mac00, MCMV13, ME13, MFG22, Mnt71, Men20, Mor14a, Mor14b, MHH90, Mwa02, Nar16, Nol12, NEM99, Ohu78, Ott07, PV12, Pau15, PA14, PvdHPR12, PW03, PS21].
education [PM19, Pur78, Qua92, RR17, Rev71, Rev72, Rev78, Ric20, Roo19, RL11, Ros78, Rot12, RW19, RJWB20, Rut94, Rut10, RN12, SC17, Say94, Sca71, Sen96, Sec22, Sfa13, Shr78, Shr22, Sil13, Sim94, Sim17, SEC13, Sko85, Sko90, Sko94, Sko16, Sol95, Sri18, Sta11, SW92, SB12, Estr78, SMOR20, SS88, Swe77, SC83, Tab22, Tal08, Tao86, Tep20, Tou90, Tre93, Tur93, Van93a, Van03b, VVV15, VD78, VD79, VCS95, WBM+20, Wil78a, Wil12, Wil16b, Witt84, Witt95, Wit01, KWB97, XXL21, Zav21, ZK21, ZIM91, dSBM21, dFS13, dK18, d18, vO13, vSBvR00, Ano91c, BGW+16, Fit11, All99, Eng99, Bak16, Ell18, Law16, Sri18]. Educational [Ano02c, Fit15a, IE07, RH19, VR90, Wal17, vO01, BDS+17, DVC19, Hus87, Kla71, MO81, Mog17, TE14, Pae76, Bak19b, Bec19, CL18, Kaz94, MW19, MBV21].
educationally [HP12], educative [YHL+15], educator [LYHC18, YHL+15].
educator-researcher [LYHC18, YHL+15].
educators [Bag08b, ZZ11].
Effect [BNPG97, PM19, BCE+19, CMW+13, CHM16, CHM83, Gan92, HPS+19, KB11, Kor03, Lin90, Mar86, Sim20, SHAC01, VVV15, ZSL02].
effecting [BCHH89, BHL85]. Effective [BBH07, LK16, NR10, RNP13, WL90, ZBBB85]. effectiveness [Ade98, Wai70].
effects [KBBK20, LC15, Mos05, PC98, Rei96, SKR15, SC93, BFG84, CV16, CM20, CF00a, CSK12, Hoz81, JMRW22, KMA02, Lere78, NA96, NK17, PM00, MQ94, TA08, Tar09, Tr15, RSL17].
efficacy [BLC20, CP08, CP10, LLZ20, SLP+12, SAR19, TTL+13, VSS20, XA20, ZC19].
efforts [HMMG18]. Efraim [Ano98b, Gre01].
eigenvectors [ST10].
eight [Han89].
eighth [CO10, LLZ20, Min83, SV09].
eighth-grade [LLZ20, SV09].
einsichts [Ott76].
einführung [Bec77].
Elaboration [LDM92, LDM92].
electrical [Rot14].
elénaire [AR82, FPM69, Glas76a, Roy81, Sen96, TSV82].
Elementary [Cre06, FPM69, GB17, HDM07, BBH07, LH22b, MF17, NN07, Sol01, Sty07, Tie02, Uhl02, Uhl03, War06, Aa12, And79, BH94, BKT21, BUR02a, Cha18, CG21, Cor22, Csi16, DRR02, Eng71, Fre74b, FSV22, Gel98, Glaz6a, GFWL11, GS76, GPPT99, HOS13, HCS95, IWF+15, Jan09b, JMC74, JCC22, LS70, Law00, LK18, MR20, NM75, Nos86, Phe10, PS21, RL13, Row08, Roy81, Sen96, Ste97, TA08, TSV82, Tie00, TG89, Ton06, TP15, ZZ11].
Elements [Bar07, Šed69, TLM07, TLM07].
Eleonora [Tab22].
elève [Aud83, BC78, BC82, Cop98].
Eleven [IT77, Dem93].
eleven-year-old
LH18, LBFM13, PK92, TY04, Tro04. environnement
[ Dag96, DG89, LDM92, Tro00]. Environnements [Tro04]. epidemic
[ Gos21, dSBM21]. episode [Cli17, DGFT13]. Epistemic
[ RL13, RP21, RC94, SHAC01]. Epistemological
[ DGA05, Jah01, Ste97, Ste97, Hei75, NBZ12, PM19, Rad03, Rot21, Sie87, WM09, WMM13]. Epistemologies [Sol06, NPH99]. Environnements [Tro04].

epidemic [Gos21, dSBM21]. episode [Cli17, DGFT13]. Epistemic [RL13, RP21, RC94, SHAC01]. Epistemological [DGA05, Jah01, Ste97, Ste97, Hei75, NBZ12, PM19, Rad03, Rot21, Sie87, WM09, WMM13]. Epistemologies [Sol06, NPH99]. Environnements [Tro04].

epidemic [Gos21, dSBM21]. episode [Cli17, DGFT13]. Epistemic [RL13, RP21, RC94, SHAC01]. Epistemological [DGA05, Jah01, Ste97, Ste97, Hei75, NBZ12, PM19, Rad03, Rot21, Sie87, WM09, WMM13]. Epistemologies [Sol06, NPH99]. Environnements [Tro04].
example-based [JC22, PY22]. Examples [BK91, JV17, Sin93, Ste68, Ste69a, AI08, BZ01, DWP21, IIMR+11, MP84, Row08, SMDW13a, SMDW13b, Sun11, Van93a, WS08, YM16, ZS08].

formulées [Bal80]. forum [vdS11]. foster [BF21, Güç16].
Fostering [DBL22, Kom17, SA07, CKS22, FV22, GGD22, WZ86].
Foucault [Kol16]. Foundation [Jon00, Ste71, IRA16, vBP19]. Foundations
[Cor22, Bos93, Cha18, Fle76]. founder [Bec19]. Four
[ZA91, AKL80, Ano78b, LH09, O'B75]. four-card [AKL80]. Fourth
[AAM21, GT90, Sem70]. Fourth-grader [AAM21]. fraction
[CRPFRG16, CR09, CGD21, CG21, CBSP12, Hun86, Lee17, O'C01, PB21, PH96, SL95, Sen96, Str78, Sun11, Wea90]. fractional
[ES21, Ri63, TP15]. Fractions [Br06, CPP07, EJDT06, XM17, Ala12, CK18, GP17, HL16, Has81, KT01, KZ94, ML19, PP12, PGM13, PM16, SS10, Str82, Yim10]. Fragile
[SC90]. Frame [McN00]. frames [AM14, BC12, Cha22, HMMG18, KL14]. Framework
[BC05, CB05, Ong06, PBR+04, Rvv06, Ant96, CSS+14, DF15, DB86a, Dra14, EH20, Ell13, GGD22, Hay87, HWJ20, HK99, JN15, Jaw03, JLTM97, Kol16, Kol18, Kom16, Lit08, MDPW96, MYM12, Nos86, RL12, Ron15, SV13, Sut89, TTS21, Tha10, VA18, WqWLR18, LH22b]. frameworks
[Cli17, Kid08, TMH21, Van84]. France [Han20, Rev78]. Frank [Ric20, EH06].
Frederick [Jon16]. free [HMT13, Mar72]. Freitas [Fer15, HSNHHE15].
French [Add72, Add75, Add76, Add82, Add93, Ano72a, Ano00h, AP75, AM97, AL00, AV76, AR82, Art97, AG02, Aud83, Bal80, Bal87, Bal88, BC92, BZ01, BD72, BC78, BC82, Bi62, Bos87, Bra68, Bui76, Cal94, CB89, Cas69a, Cas69c, Cas69b, CGGGG74, CDGG76, Ca87, CGG779a, CGGG79b, Cha17, CGS76, Com77, Com80, Cop98, CLR16, Dag96, De 94, DeB97, DF15, DB86a, Del68, Del69a, Dem93, Die70, Dou76, DPG89, Dub84, Dun82, DG89, DP77, Duv91, Du89, Une73, Une74, Fis69, FPM69, FBMT1, For69, Fre69a, Fre69d, Fre82, Gau69, Gl68, Gl68a, Gl67b, GT95, Gro77, Hah99, Her11, Hol69, HK99, Kon72, Kra92, Kry68, Kry96a, Kry73, Kry69b, Kry88a, Lab78, bL00, LD88, LMD92, Lev92, LS79, Mar69]. Frenc
[Mas69, Mau85, Mes89, Miy17, Mot71, Nim77, PRR08, Pas78, Pis68, Piu79, Pro70, Rev68, Rev69, Rev72, Rev76, Ric04, Rob95, RR05, Rob86, Rom74, Rou68, Ron69, Roy81, Sam85, Sar02, SB97, Sch92, Sen96, Ser68, Ser69, Ser76, Siw73, Str08, SLM79, TSV92, TLM07, TB09, Tro04, Tro04, Van69b, VD78, VD79, ZP91].
frequencie [Fre72]. freshman [Gof77]. Freudenthal
[Add93, Ano00c, Ano06b, Ano16c, Gre17, Van93b, Add93, Ano90d, Bec19, Bos93, Ke69, Pea76, Str93b, Tre93, Van93a]. Fried [Fit15b]. frontiers
Function [ASP97, Sla97, Bic82, BDHN92, Car18, Güç16, Lun12, MZ18, MPG12, MAPH21, PSH+18, Par15b, Par15a, Prz04, Ron15, Sav03, San11, TN15, TK14, Yer00, ZER17]. functional
[AAM21, AWE22, Ber04, BBG+17, SAD21, Vol86, Wil16a, YG99].
Functionality [Gor98]. functioning [Sam85]. Functions
[AWL15, BBEG05, Ham06, Mes04, Mos04, Bl03, BC96, CS94, Cor17, Eve90, FLM07, FBA10, GK71, Har09a, Kar02, Kol18, SD95, Sh021, TMP10, WAL18, WI14, Whi09, Bos87]. Fundamental [DDLZ97, IL05, Bur96, DDLZ94, FSY22, Grr13, Hah75, Hei75, Law00, Mas69, MW09, Tho94b, Wit80].
Furinghetti [Men20]. Further
[Bur06, FSS+C+19, Del69b, Gen70, IS09, MRW14, Tha10]. fuss [Sfa09]. Future
[BCZ21, Bor21, CL20, Eil18, Fle71, GC90b, GGG+92, How75, KDM21, LS20,
LK14b, SB97, Str03, SS17]. future-oriented [LK14b]. futurologist [Tal08].
futurs [SB97]. fuzziness [MZ18].

G [Art19, Mor00, Sfa15, vBP19]. Gabriel [Gue19]. Gabriele [Hes13]. gains
[NCMO15, SL94]. Game
[Har09b, SE93, Gal73, KML22, LS79, Nil07, vdHPKR13]. Games
[Bas69, SL06, Kni12, SLAY19, SK69]. gaming [Ern86]. Gap [SZ07, ABvP02,
FF21, HL94, LLIV09, LH96, LW99, MPS22, MZ21, MMR21, ZWMR16].
gaucher [Tro90]. gears [BBFG99]. Geert [Bja20a, Bja20b]. Gemert
[Gre17]. Gender
[BHX97, Che89, For95, HI88, LLHL13, Rel96, Say94, TZLT95, Tie00, Tie02,
VL04, ZKCI18, Ade98, AC95, Jun91, KM93, MRR21, SC17, TF95].
Gender-related [Tie00]. gendering [FLT14]. general
[BD72, Bre22, FC08, LBH07, MPG12, MP84, BD72]. generalisation
[FS16, FF17, MW00]. Generalising [WC08, Sta99]. Generalization
[SL2, EJ13, EJ14, MPD91, El 18, Rv10]. generalizations [CK15, TAH08].
generalizing [IB8+C+19, ID95, Wt16a]. generate [Nar16]. Generated
[Ber06, Bur05, Ott20, WS08]. Generating
[KJ22, SMSW13b, SLRC95, HKG89, IMR+C+11, Shr10, SMSW13a].

Generation [DH97]. generations [QP22]. generative [RL04]. Generators
[BC05]. Generic [MP84, DWP21, YE16]. genesis [SAD21, vDDDB21].
Genetic [Sch83, Zas71, FP07]. genre [PW03]. geoboard [Har74, Har75].
GeoGebra [Zen18]. Geology [Wit05]. géomètre [AG02]. Geometric
[Lev71, MMDB05, Nar00, Car10, FQL+C+17, HKG89, KR11, KN21, McD89,
VO17, WR96, Yan11]. Geometrical [Eng71, Kyn93, TMP10, CH13, GP90,
Ger88a, GGG22b, GB01, KSLI1L, LL13, Mit80, MB19, PPPP14]. géomtrie
[Aud83, CDGG76, CLRF16, Hol69, HK99, Mes89]. geometries [St76].

Geometrietunterricht [Wal76]. Geometry
[Ano71b, Ano74b, Bar07, BH11, Fre71, HHS00, Jon00, Lab00, LR81, Ano71a,
AG02, Aud83, BS80, Bju04, Bos93, Bra11, CDGG76, Cha93, Chi98, CLR16,
Cox71, DH20, Egs70, Ern86, Fie79, Fle71, Fle76, Fri21, GL10, Gal11, Gal19,
Gla70, Goo07, Her02a, Hol69, HK99, Hoz81, KP10, Kel71, Kle71, Kom17,
KR11, LG13, LBFM13, LL13, MG00b, Men71, Mes89, Miy17, NHO22, Par88,
PPC09, PC10, Rev71, Rob12, Rog71, Roo71, Rot14, SPC+C+16, SL19,
Sch71, ST08, Sen70, SC90, Sin03, SLAY19, Ste71, Sto71, TY04, Ton90, Tri95,
Vau71, Vol71, Vol76, Wal73a, Wal76, WH15b, YL08, Yan12, WH15a]. Georg
[Tab22]. German
[Bec77, Beh68, Bra13, Dum87, JSV75, Sel01, Van76, Wal76]. Germany
[Ano74b, DTD21, Han20, KCS22, YSL22, LT20]. Gert [Law16]. Gestalt
[Sha98]. Gestion [DG89]. gesture [YTD11, dFS12]. Gestures
Individualization [Kru13b, MLL20, GP17, RWZ15, DP77].
Indonesian [SS88]. induce [CPP09, Sfa15]. Induction [Chr69, AH76, AL78, Ern84b]. Inductive [Rot21, Kyn93, MP14, Sim96, SK69, SLM79]. Individual [Kru13b, MLL20, GP17, RWZ15, DP77].
Individuelles [DP77].
Inductive [Rot21, Kyn93, MP14, Sim96, SK69, SLM79].
Inequalities [Riv07, AI12, QP22, SBP11]. inequality [Moo20].
Inference [WM98, And09, IS08, IS09, Jur77, Ric04, ST02, dVSvk18, Ric04].
Induction [Chr69, AH76, AL78, Ern84b]. Inductive [Rot21, Kyn93, MP14, Sim96, SLM79].
Informal [ABvP02, Wat00, Way94, Bar16, KC22, Mai85, MCKP19, O'B76, Van03a, dVSvk18].
Informatics [BF96]. Information [Art02, SOC86, AC21, BCLH89, Cra96, Lin90]. informatique [Dag96, Sam85]. informatiques [Art97, bL00]. informatisés [Tro04].
Innovations [FV22]. innovative [HPS+19, MCKP19]. innumeracy [Tre91].
Inquiry [Adl97, Tou71, Zaz98, CP10, Ell03, GFJ13, Han12a, SLAY19]. inquiry-based [GFJ13]. inserted [BF96]. inservice [SS93a]. Inside-Out [Ald00].
Initiation [LH22a]. Insight [Mac78, Gri71]. Insights [GT90, JC22, KZH+19, Wall7, Wood96, YM16, CPP09, CPPC18, HJ12, MS14, WWFC16].
Institutional [Pop88, RG01, AV97, Har09a]. Institutions [Cas04, SC83].
Instruction [Ano04c, Art05, Ano78b, Bat13, Beg71, BN91, BR89, CHM83, Chr69, CR69, CBSP12, Del69b, FKIA15, Gel98, GBE13, GS72, GS76, Han12b, Han12b, Heis13, HMNBW20, HN82, Kim20, Kra93, KMA02, Lev81, Mat03, MLL19, NK17, RH19, IDLZ21, vDKG22, Ano95c, Ano04d, How84, Cor22, Mah21a, Tsa02, Mah21b, Ric10].
Instructor [FC12, HOS13, TJHD11, WFC16]. instructors [MG12].
Instrument [BP80, AV22, DB86a]. instrumental
[DDB+10, MB19, vDDDDB21]. Instrumentalism [MO81]. instrumentation
[SAD21]. Instrumented
[Riv07, CLR16, GBR22, Kid08]. instruments [FLM07]. integer [Lie90].
integers [Gal02]. integral [Jon18]. Integrated
[FGA94, Kry69a, Tre87, HP08]. Integrating
[Eve99, NBZ12, CP10, LLI21, WqWLR18, Wit84, bL00]. Integration
[Ass05, AG02, BA14, Boa93, Edw09, Fre69c, GBE13, LE09, NK17, Ort83b,
Sch12, YST22, Zen18, AG02, Cas69c, Fre69d, bL00, Cas69c, Fre69d]. intégré
[Kry69a]. intellectual [Fis69, Ham68, Hy07, Kap09b]. intellectually
[SOc96]. intellectual [Fis69]. intelligence [MY84]. intelligent [HOEF89].
intensive [TAH08]. intention [PB09]. intentionals [BRE20].
intentionality [Sko16]. interacting [Sch11a, VSS20]. Interaction
[CYW92, DEM98, Jun91, MHRSU99, Mos04, Rad11, SS05a, Ste06, Bar03,
Elb03, KP10, KH07, Led87b, Lor82, RR11, Ste97, TL15, TZLT95, Rad11].
interactional [Kle12]. Interactions [AS04, AS05, AS17, BdsCa18, Fli05,
Sol06, XMI17, Bat13, CF00a, HM13, RNMI2, WSR11, dA00]. Interactive
[BS04, OPCh98, BF21, BHR94, LSH09, PPG95]. intercept [Mos98].
Intercorporeality [RR11]. interdependence [Tay91]. interdisciplinary
[Con90, KLBMK+13]. interest [KCS22, LS20, SLP+12, ZC19]. interface
[MPS12, Waki14]. interfering [NT75]. Intergenerational [Zev04]. interior
[DF04]. intermediate [Hed85]. internal [Kae93, Kae94]. International
[An070, An071c, An072b, An074c, An074d, An076h, An076g, An077c, An077b,
An078d, An091c, An094c, An094d, Cor22, Fre78b, Han98, Ric10, RD92,
Tep20, BcZ21, Bal90, BGSW94, CM20, DT08, FEF14, Fre69a, Hes13, Men20,
TE14, An074b, An095e, Art05, How84]. internationally [Fre75]. Internet
[EH05a, EH05b]. Interplay [MMBD05, Ste05, CH13, Kid11, MY12, Ng16].
Interpret [NC06, AC21, Son13]. Interpretation
[Coo98, Rut05, LT86, RT14, SL19, Sko16]. Interpretations
[Jon00, SLW98, Cal12, Deb06, ES03, Deb06]. interpreted [BGT17].
Interpreting [RL04, SL06, Wei12, BCE+19, SMFL19, WM01]. Interrelated
[HMT13]. interrogation [Wal10]. intersection [Pai16, Wei17].
intersections [df04]. Intertextuality [RFP14]. intervening [Bis76].
intervention
[BGW+14, BGW+16, BJ88, Deb06, FQL+17, Feh69, Ott20, SS91, dVSKvO18].
intervention-based [FQL+17]. Interventions
[DEM04, Lun77, NK17, SS17]. Interviews
[Coo98, Dah04, HbZe98, HS13b, KH07]. into/influencing [Jaw03].
intrinsic [Kyn93, WS18]. introduce [WS08]. Introducing
[AP01, Har75, Prz05, WBM+14, ZK15]. Introduction
[Dö03b, FWW85, LPC05, LH08, Mar00, RKF07, REA09, VBT12, ZBEH06,
AL00, BBS07, BTV19, Bc77, BW08, Bro10a, GB14, HMG19, HMG20,
Kru13b, Law16, Pap71, Pic71, RD92, VPR21, Gla68]. introductory
[CJ75, Sha77]. Intuiting [Gri13]. Intuition
Intuitions \cite{LW99, Tsa07, BR78, FTH79, Mac78, MF10, Sem08, Tal80, ZS15}. Intuitions \cite{LH09, MD01, SZ07, TS99, TTL08, Zaa99, Bar19, FTM81, GS18, Lie90, Tru15, VDWV04, Wal73b, Wit81}. Intuitions \cite{FBM71, FG97, Fis99, FG84, Kid11, VVV13}. Intuitions \cite{LBFM13}. Intuitions \cite{BD72}. Involved \cite{BR72, LC13}. Invariant \cite{NHO22}. Invariants \cite{LBFM13}. Inventaire \cite{BD72}. Invited \cite{Son16}. Inventory \cite{BD72, LC13}. Inverse \cite{PSH18, KB20, MZ18, RL12, SPNH12}. Inversion \cite{Gre12, NBE12, Sch12}. Inversive \cite{Cox71}. Investigate \cite{Bon14, CWL07, Gra04, Gue08, KC09, Nte06, PB00, Tha10, Wat80, Mey10, WSR11, MPS22, ZB19}. Investigation \cite{DS06, PW03, Ang89, Cob87, FT03, Gal81, Hod06, LS70, LG13, Mat81, MRSP14, Ng21a, Rot17, SM72, Ste97, VP13, WSU19, YC95, dPH13, PW03}. Investigations \cite{GBR22, HI94, Hir81, Kon21, Kon22, vSBvR00}. Invisible \cite{RM15}. Invitation \cite{WHE08}. Invitations \cite{PKP18}. Involvement \cite{KLLJ17, Tak18, Tao86, DS02}. Involving \cite{DVJ98, AG14, AAM21, Dum82, OB11, AP01, Bak19b, CL18, Col21, HMG19, PR08, TP14, HMG20}. Iran \cite{Goo07, Ros78}. Irish \cite{RO09}. Irrational \cite{MZ21, SZ07, FJC95}. Irresistibility \cite{DVJV02}. ISBN \cite{Cor22, Sfa15, Shv22}. Isomorphism \cite{LS70, LH795, RS22}. Israel \cite{MA09}. Israeli \cite{RA21, WAL18}. Issue \cite{FV22, Hof06, NBD04, AP01, Bak19b, Bro08b, CL18, Col21, HMG19, PR08, TP14, HMG20}. Issues \cite{DWMB05b, DWMB05a, Spe05, AL78, BBS07, BN91, GB14, HS14, Pop88, PM19, dV18}. Italian \cite{Baz88}. Items \cite{Eva07, DH90, Kuc81, Ola14, SJ17}. Iteration \cite{Wei91}. Iterative \cite{RW11a, RW11b}. Itself \cite{FB17}. IX \cite{Rog71}. J \cite{Ano16b, Cor22, Eng99, Gue19, MR20, Rut02, Tal08, Web88, Web89}. J. \cite{Sfa13}. Jackson \cite{GB19}. Jahrhundert \cite{Dam87}. James \cite{Cor22, Tal08}. Jana \cite{Tab22}. Japan \cite{Ala12, MNRR95, Min83, WL90}. Japanese \cite{Hin15, Miy17, Sek21, SLG03}. Jean \cite{Bac21, Sta11, Witt3a, Witt3b}. Jean-Baptiste \cite{Sta11}. Jenlink \cite{Mah21a, Mah21b}. Jennifer \cite{Sto22}. J. \cite{LS79}. Jewish \cite{Lo21}. Jill \cite{Wal17, Ano16c}. Jim \cite{Wal08}. Jinf \cite{Ell18}. Jiu \cite{Shi08}. Johan \cite{Go77}. Johannesburg \cite{Ano16c}. Johnny \cite{Dre99, Kon18, LH07}. joke \cite{RC20}. Jonathan \cite{KMT16}. Jordan \cite{IE07}. José \cite{Dek87}. Jouer \cite{Kry88b}. Jouer \cite{ZP91}. Journal \cite{BR89, Han98, SWG05, Uhl03, AMMS20}. journey \cite{HJ12, KMT16, Sta11}. judgement \cite{DAJ20, JI15, Rut94}. judgements \cite{FNM91}. judgment \cite{Jen74}. Judgments \cite{LD88}. Judgements \cite{LD88}. July \cite{Ano70, Ano72, Ano74a, Ano74d}. June \cite{Ano71c}. Junior \cite{BZA01, Che89}. Jurda \cite{Edd18}. Just \cite{CH02, WHE08}. Justice \cite{All99, MFG22}. Justification \cite{KDI10, Cha93, MPdP17, Rot21}. Justifications \cite{MS19, AAM21}. justifying \cite{TMH21}. juxtaposition \cite{HOS13}. Kaiser \cite{Hes13}. Kanamori \cite{Han98}. kann \cite{Van76}. Kaput \cite{HN08, LH08, Tal08}. Kara \cite{GB19}. Karin \cite{Han12a}. Karp \cite{Law16, Men20}. Kathleen \cite{Fur19}. Katie \cite{For00}. Kaur \cite{LX16, YK20}. keen \cite{VM78}.
35

[Osl12, dF12]. **Learner** [Ott20, Sho21, AS04, Bro14a, Han19, HMG16, Hin15, Ng16, RBWS18, RL11, WS08, dAS22, AS05]. **Learner-generated** [Ott20].

**learners** [Bur87, Sto22]. **Learning** [Adl19, AGP15, Ano76d, Ano98i, AI07, BH05, BZBM15, Bos99, Bro14a, BEW99, CBF07, Cla07, Cre03, Dah04, DH97, DEM04, DEMW06, Duv06, Elb03, EE21, Fra13, GH98, GSE07, Han19, HMG16, Hin15, Ng16, RBWS18, RL11, WS08, dAS22, AS05]. **Learner-generated** [Ott20].

**Learning** [Adl19, AGP15, Ano76d, Ano98i, AI07, BH05, BZBM15, Bos99, Bro14a, BEW99, CBF07, Cla07, Cre03, Dah04, DH97, DEM04, DEMW06, Duv06, Elb03, EE21, Fra13, GH98, GSE07, Han19, HMG16, Hin15, Ng16, RBWS18, RL11, WS08, dAS22, AS05]. **Learner-generated** [Ott20].

**learning** [Fis77, FBA10, For95, FT00, GP90, Gal11, Gal19, GFWL11, GMNB18, Gra04, Gre12, Güç16, GBR22, Had78, Han12b, Han12d, HS13a, Har73, HC95, Hea81, HPS19, Hee78, HBZ98, HS13b, HS99, Hew12, HM13, HMG19, HMSG19, HMG20, HGM15, Ho77, HP03, Hoy82, Hoz81, HHH21, ICR20, Ior17, Ior18, Jec71, Kae88, Kae90, KK12, KT01, KB12, KC09, KZH19, KKR09, Kru13b, KBBK20, KRI11, KL14, LHT1, Loc92, MG00b, MDPW96, MJS21, MS14, MR17, ML20, Mot71, Neu99, NCMO15, Nos88, OLW20, Ott11, Pla14, PSE87, RSS11, Rad14, RL00, Rei96, RO09, RMAGMR22, RFP14, RIA17, RH02, SBDM69, Sca75, Sch92, Sch12, Sch11a, Sek21, Ser76, Sfa01, SD13, SAD21, SW94, Str84, Str85, TN16, Tab22, Tak18, TA08]. **learning** [Tar09, Tic12, TMP10, Tro00, Tro04, TE14, Tzu07, VAM21, Voi94, Whe92, WM09, Wh09, WS18, Wil71, Woz96, YST22, dAS22, Cha71, Dag96, Hb05, Wai17, Shv22, Wil17, Tsa02]. **learnt** [BMK21]. **Lebanon** [SC17]. **lecture** [FC12, Wai70, WFCW15]. **lecture-based** [MGP75].

**lectures** [OLW20, PKP18, WWFC16]. **lecturing** [MGP75]. **Leen** [Dör03b, Pre03, PvdHP03, YSRU03]. **left** [Tro00]. **left-handed** [Tro00].

**Legacy** [PvdHP03, Art19, Bag08b, Fri21, Gre01, Str9b]. **Legitimacy** [Baz01]. **Length** [DVJ98, Jer73a, Jer73b].

**lens** [BBL22, Cor17, CHK22, GBC12, Kle12, McC14, MTBR16, No12, NH15, Pre16, SLAY19, Sty11, Vou16, dAS22, vDDDDB21]. **lenses** [DGFT13, KHRK15]. **Leon** [Wil78a]. **Leong** [YK20].

**less** [Jon82, MPS22, SLMT9]. **lesson** [CM20, MW09].

**Lessons** [BW20, Ch00, CM20, EK10, Hin15, LE09, dF12]. **Letter** [Tun04, Wil05].

**Letting** [MD01, LJW13]. **létude** [HK99]. **Leung** [Jon16, Ric20].

**leur** [VD78]. **Level** [Ano98i, DEM98, DEM04, Haz99, Nar00, Ade98, AOJ22, BN77, ID95, GS76, Güç13, Har09a, Hed85, JGF20, JE14, KO21, Kra93, El18, PRR08, Par91, RWZ15, Rüe13, Sem08, Sha77, Ste68, Vil71, Vin77, XXL21].

**Levels** [Miy00, PP12, KZH19, MY84, OKL87, Van76, Was15]. **leveraging** [SBL22, Wal17]. **Lewis** [Cor22].

**Lexical** [HEWC10, HEW10]. **Li** [Cor22, Hes13]. **Lianghuo** [ZB19].

**liberal** [Zev96]. **liées** [Add76, TLM07].

**Life** [WS99, AWE22, FB11, NCC22, TB09].

**lifelong** [TE14].
light [Add93, FF21, GM08, Sch16, TPHS07, Wil21]. like [MF17, Shr10].

Lima [CRL06]. Limit
[MD01, FPS16, Giq13, Kid08, KT15, Prz04, Roh08, Roh10, TK14].

limitations [Gue05, Tri95]. line
[CN16, Ern85, KP10, TT07, TP15, VBE21]. Linear
[DV99, Lau74, MSdSGG16, PM97, Uhl02, Uhl03, AZ20, AWL15, Bie82, Bur02a, CO10, DVJV02, DRR02, GB14, Hew12, Kar16, Kar02, SD94, Sta89, Vla02, WSR11, ZER17, dLT08]. Linearity [VDD+03]. Lines
[Car93, CP10, DVC19, FQL+17]. Linguistic
[JM74, LCD90, LR20, Row95, Jan74, Jur77, Lep90].

link
[IWF+15, JM18, Mah21a, Mah21b, MB19]. Linking
[Hah14, OKL87, Ron15, Van03a]. links
[BN91, KBK21]. Lion
[FSY22, Law00].

Lingual
[CF93, CP10, DVC19, FQL+17]. Linguistic
[JM74, LCD90, LR20, Row95, Jan74, Jur77, Lep90].

listen
[AI07, SM21]. Listening
[Nic98, SM21].

listing
[LG16]. literacies
[Wei17, Gai11]. Literacy
[Men07, Gel04, HMBST21, Kil01, VRS+12, Wei17]. literate
[Kae88, Kae90]. literature
[CKS22, Fre13, GB01, RBWS18, SMOR20, TP85, YST22].

Littlefield
[Men91a]. Liu
[Jun93]. Live
[NN97, LSS19]. lived
[AZ20]. living
[Bor21]. load
[vLXD18]. local
[Als02, GBE13, GB19]. lockdown
[DTD21]. Locutions
[SLM79]. logbook
[AAP21]. Logic
[Tsa07, Var72, AKL80, CJ75, DC17, Dus82, Fre69c, Gil71, GS76, Kap76, Sed69, SS95, Siw73, Ser69].

Logical
[Ano71a, OSR71, O'B72, O'B73, OK05, DGO3, HK02, HO10, PHS12, Rob75, Roh10, VIl71, Zep82, ZML87]. logiciel
[Art97]. Logics
[SO73]. Logique
[Ser69, Siw73, Ano71a, Dus82].

Logos
[Nos86, Sut93, DG89, LDMM92, OKL87, DG89, LDMM92]. Logomathematics
[MN95]. London
[Len95]. long
[Fur19, NK17, Str84, Str85]. long-lasting
[NK17]. Longitudinal
[War06, Wat01, Bla85, CW96, MMR21, Ng21b, Pet91, SPNH12, TF95, Van03b, Yer00]. look
[ZF07, FKC17, KL82, MW19].

Looking
[MJS21, Sfa01, ART15b, Sil13]. lorts
[BC92]. lost
[Sur77]. Loto
[Plu79, Plu79]. Loto-questionnaires
[Plu79, Plu79]. loving
[Lun12]. low
[And09, Bae89, DB86a, DB86b, Kar10, KB11, PFS19, SHG21, SPFGF14]. low-achieving
[Kar10, KB11, PFS19]. low-attaining
[SHG21]. Lower
[Miy00, Fre74b, HC95, KBK21, Miy17, Var72]. Luis
[Shv22]. lumière
[Add93]. lycée
[HER11, Pro70]. lycées
[For69]. Lyn
[Sta22]. Lyon
[Fre69a, Fre69a].

M
[Art19, Eng99, Fit15b, Fur19, KMT16, LQV04, Mah21a, Mah21b, Mor00, Ste13, Drl06]. Ma
[FSY22, Law00]. maîtres
[DS02, Del69a, HK99, Kry99].

Macdonald
[Gri78]. machine
[Hol81]. machines
[Gla68]. Macro
[Fli05, JP09, WSS15, dA00]. macro-
[JP09]. macro-levels
[Was15].

Macro-Situation
[Fli05]. Madden
[Cor22]. made
[BHLH85, Cla83, Drl08, Ell86, LH18, MS19]. made-up
[Ell86]. magic
[dLT08]. Magnitudes
[Ste69b]. Mainland
[YSL22]. mainstream
[Edd18]. Major
[Bag06, Fre81]. Make
[RS17, VL04, Mon00]. Makes
[Ste06, ZC08].
Making [Bar96, Guc16, KOMH22, MT15, Moo94, Moo13, MM00, Ryv06, SW14, Wak14, WG07, ZG01, Bis76, FDM19, FC12, KBBK20, PK17, Pal08, RSS11, Rot16, Sch16, Sec11, VCI9, Sel00]. Malawi [Mwa02]. Malawian [Kaz07]. malentendus [Add75]. man [Add93, Van76]. manage [HSM22]. Management [Ass05, df12]. Managing [DG89]. mangos [TB09]. mangoes [TB09]. Manipulation [IB05, DF15, Die71, LDM92, MP96, WFB13]. Manipulatives [Moy01]. Manufacturing [Sen96]. many [LHZ95]. map [FF21, LLD14]. Mapping [GB13, Lei14, HM95, Ryv04]. mappings [Bal88, Ste71]. march [Hol73]. marge [Del68, Mot71]. margin [Edd18, Mot71]. margins [Del68]. Maria [vBP19]. Marianne [Gre17]. Markers [BR06]. marks [BC08]. Marta [Fri21]. Mastery [MHDC04]. Material [Fer15, HSNHHE15, df16, Gel04, PFS19]. material- [PFS19]. Materialien [Dam87]. materialist [FF17, Rad21, dFS13]. Materials [Eva07, NC06, WD05, Ano74a, Dam87, FM14, Rot16, Sin03, SHAC01, dAS22]. Math [BHX97, HBH07, Nic02, BSV95, BAZF04, Cha22, Chr00, FMA20, Lev81, Mac21, MHH90, SRP21, Whi87, WJW11]. mathematic [HR00]. Mathematical [Abr01, Adl97, Alb00, Ano76a, Ano76g, Ano77c, Ano77b, Ano91c, Ano95e, Ano00h, Ano04c, Art05, AH76, AL78, Bur80a, Bus06, CMW+13, CMH16, Cal94, Car99, Cha07, DP99, DP92, DG06, De 94, DEM98, DEM04, Die15, Doe06, Eng06, Ern84b, Ern06, ETC14, FB98, Fis99, FB16, Fre69a, Fre78b, Gra88, Gri71, Han20, HMSBT21, How84, Jon00, Kaa07, KAJHB10, KO21, Lit00, MM03, MTBR16, MHRSU99, Mos04, Mos05, NN97, NF09, NH19, NHH97, Öst06, Ott94, Ott06, Ott07, OB06, PT09, Phy71, PDV07, PSS88, Rad03, Ric10, Ryv06, Ser69, Sfa15, SS06, Sko85, Sko90, Ste05, Ste06, SY79, Swe95, Tir99, TP10, Usi85, Vog13, War06, WD05, ZC06, Abe78, Add72, Add76, AG83, AC21, AV22, Ano69, Ano78d]. mathematical [AP75, ART15b, AH79, BF21, Bak14, Bal80, Bar19, Bar21, Bar09, Bar16, BR12, Bel76, Ber04, BLB20, BP22, BWHM+10, BIBS+19, BN91, Boa02, BLP10, Bos87, BJJ13, Bra13, BP80, Bro91, Bro10a, Buc87, BTvG+17, BE85, ČK15, CL20, ÇA20, Cal12, CV09, CCW95, CEHM16, Car18, CKS22, Cha18, Cha98, Cha93, Chr69, Cha85, CWS93, CLe79, CLe80, CW14b, CSS+14, CGD21, CB17a, CB17b, Cor22, Cra12, Cre03, CSK12, CHK22, DC92, DT12, Daw83, DC17, Del08, Del9b, DTO8, DS17, DKBD19, DKBD21, DBL22, Duv83, Edw09, EN79, Ell13, Eng69, ES21, ERS19, FTM81, FGG13, Fos16, Fos18, Fra13, FV22, Gai11, GG22a, Gal82, Gal86, GGD22, Gel04, GJ19, Gli91, GK79, GFNL11, GG96, GK20, GSW22, GM10, Gre12, GB17, Gue19]. mathematical [GBR22, GLH20, Hal99, HI94, HH88, HTM18, Han68, Han12a, Han12b, HR74, HM95, Hay87, HH11, HMA11, HBZE98, HS13b, Her11, Her02b, HM13, HMG19, HMG20, Hie88, How73a, How73b, HH92, Hoy01, HHHB21, IMRS07, IS08, IS09, JK17, Kap78, KPS17, KM18, Kem81, Kie01, Kiol01, KL20, KLLJ17, KK13, KB11, KJ22, Kon93, Kon18, KOMH22, KMA02, KDM21,
KCS22, KLBKM$^{+13}$, Kru13a, KC73, Kry88b, KL14, LaC14, LM11, LC81, Les81, kSL13, Lev22, LR20, Lit03, LLZ20, LS79, LW91, LK14b, MPS12, Mar13, MT15, MB09, Mas69, MPdP17, Mey10, MS20, Min83, MJ15, MLI20, MWVE09, Mur93, Ng16, Ng21a, Nos88, Nun96, O’C01, Obe19, Ori71, OB11, PA18, Pal20, PGE09, Pet91, PK94, Pre86, Prz04, RT85, Rad09, RSS11.

**Mathematical** [RWZ15, RG01, RSL17, Rev71, RO09, Rob95, Rom74, RT09, Sae09, SG14, SM72, Sch16, SP19, Sch11a, Sch11b, SS95, Sfa91, Sfa01, ST20, SE93, Shr10, SL74, SKPS16, Sim17, Sim15, SM21, SOC86, SW94, Ste91, Sto22, Sty11, SSA20, TN15, TD12, TP02, TTL$^{+13}$, Tro04, TS93, Tur80, Tzu07, VS13, VP13, VWV21, VN19, Vo94, WB12, WB11, Was15, WT22, WR77, WDV09, Yer00, YTD11, ZG01, ZS15, ZER17, ZZZ11, ZZBZ85, Zev11, ZKC18, dPQ16, rA20, vO01, vO10, Fis69, Kry69b, KN21, Bro11].

**Mathematically** [PW03, SLP06, Zev04, Bye15, GSH16a, GSH16b, Add72, Add75, Bes12, Dho93, Ell86, GSH16a, GSH16b, Hem10, Kla71, Kon21, Kon22, MJ15, Pas78, Pol76, ST10, SRB16].

**Mathematicians** [Bur98, Add72, DW17, Ell86, Gri08, LW14, H22a, MRW14, PB00, Shr10, Wat80, WMR11, WJJ11]. **Mathématiciens** [Pas78].

**Mathematics** [ABK$^{+05}$, ACJO04, All99, AF05, Ano72a, Ano74b, Ano76e, Ano88e, Ano98i, Ano02c, Ano04d, AAT99, Ass05, Ayd90, Bag10, BT05, Baz01, Bec80, Bes07, Bis88c, Boa99, BW12, Bur98, Bus05, CF03, CBF07, Car99, CWL07, CSW21, Cha06, Che88, Cla07, Coo08, CH02, Cop98, Cre06, CRLO6, DS06, Dör03a, DS05, Du06, EH05a, EH05b, Ern99, EMT06, Eva07, Fre82, Fri07, GH98, GSE07, Gat06, Goo07, GP01, Gra99, GL00, GD99, Häs08, Han89, Han98, Han06, HD07, HA73, HZ05, HB05, IE07, Jaw02, Jaw03, Kais13, KP10, Kei82, KC22, LH22b, Led92, Ler01, LH97, LH06, Leu01, Leu05, Lib71, LYHC18, Lio06, LQV04, MG00a, MDPW96, MC00, Miiy00, Mor00, Mor06, MHD04, Mos07, Moy01, Nar00, NBD$^{+04}$, New98, NN07, Nic98, NC06, Nic99].

**Mathematics** [Nte06, Ong06, ODV06, Osl12, OPC$^{+98}$, Pal19, PBY03, Pea76, PBR$^{+04}$, PSS$^{+19}$, PC98, Pre06, RR05, RD92, Rod06, Rog85, RC04, SLP06, SC17, See01, Sei98, SSSL$^{+05}$, SK98, SA07, SG98a, Sid05, Sko04, Sko88, Sko21, Sl06, Son83, Spe05, SWG05, SK07, Str08, Sty07, STM06, SC83, TF95, Tie02, Tur93, VL04, Vn97, WW02, Wat00, Wat05, WWFC16, WI01, WW07a, WW07b, Wit05, Wit95, bMYT98, ZBEH06, Zas05, ZC06, Zev06, ZM91, ZS07, dK18, AB12, AAB03, Add75, Ade98, AZ20, Ad88, Adl19, AO22, AV08, Ala12, AAP21, Ale81, AT21, ARW22, AMMS20, AH00, And09, ARIS14, APS22, An068a, An068c, An081b, An014b, Arc03, Arm69, ABOM20, Art15a, APRS09, AC95, Bae89, BRE20, Bag73, Bag08b, Bak16].

**Mathematics** [BCZ21, Bha09, Bal71, Bar21, Bar87, Bar03, BBS07, Bas17, BKK22, BGSW94, BT19, Bat13, Bau80, Bax90, Bae19, Beg69, Bek10, Bel79, BCF90, Ber19, BD72, BWD10, Bes12, Big70, Bis79b, Bis80, BH94, Bja20a, Bja20b, Bja78, Bla85, BN91, Bhu02, Boa93, Boa02, BHN10, Bon14, Boo81, BR89, Bor21].
BF96, Boy16, BR17, BS15, BP15, Bra11, Bra14, BS94, Bro94, Bro96, Bro08a, Bro08b, Bro10b, BC12, Bro12, Bro16, BSW16, Bur80a, Bur80b, Bur87, Bur95, Bur02b, BE84, Bye15, CDW14, CA20, Cas04, Cas69c, Cas77, CW14a, CPK08, CPP09, CP10, CWT12, Che89, Che90, Cho22, Chr69, CEMP04, CWH19, Cla12, Cla85, CL84, Cla92, CM20, CWYP92, CYW92, Con90, CF00b, Cd04, Cor17, Cor22, CLSM17, D’A91, Dam87]. mathematics

[Dar16, DVC19, Dav71, DR13, DIW19, Deb06, Del69a, DMHRV21, Die15, DS21, Dom11, Dom19, ID95, DCHM19, Dow96, Dra14, DK15, DDB+10, DTD21, DP77, Ecc85, Edd18, Ehr78, El 78, El 86, Ell03, Ell85, Ell86, Ell18, Ely10, Eng68, Eng69, EPQH18, Ern84a, Ern16a, Ern16b, Eva99, ES03, EK10, F07, FvM97, Feb69, Fen79, FP85, FPCL90, Fe09, Fer15, Fey78, Fey89, Fid85, Fis77, Fit11, Fit14, Fit15b, Fit15a, FB17, FKIA15, FC08, FBA10, FB11, For95, FL14, FA01, For69, FGA94, FI17, Fra96, Fre68, Fre78c, Fre78d, Fre81, FA03, FSY22, FCN14, Fur07, FM14, Fur19, Fur22, GP90, Gai11, Gal82, GC90b, GCG+92, Gel98, Gel08, Gen70, GBMB70, Ger10, Ger81, Ger84, Ger88a, Ger88b, GP22, Go07]. mathematics

[Gof93, Gol03, GC00, GS20, GFJ13, Goo20, GdA09, Gos21, Gra20, Gra04, Gra75, GPPT99, GM10, Gre17, GS08, GMHG09, Gri83, GM84a, GM84b, Gro77, GT09, Gui17, Gun78, Gut07, Gut92, HYC+97, HV78, Ham68, Han02, Han19, Han10, Han12d, Har09b, HS13a, Har81, HOS13, Hea81, HWJ20, HPS+19, HP08, HOEF89, HEW10, HEWC10, HEWJ+15, HSM22, HJ12, Hes13, HM13, HMG18, HMSBT21, HC82, HB69, Hn81, Hol81, HMA13, HP03, How78, How80, How82, Hoy82, Hoy85, Hoy01, Hey07, Hud90, Hug74, HHL22, HMT13, IM19, IWF+15, Ior17, Ior18, Jan09a, Jan09b, Jan81, JGF20, JP09, JK17, JM74, Jin07, Jon82, JMD08, JVA1, Jon18, JGR14, Jon13, Kae88, Kae90, Kae93, Kae94, KM93, KBK+17a, KBK+17b, KMT14, Kap09a, Kap70]. mathematics

[Kar02, Kar10, KS69, KWF15, KT01, Kei93, KL82, KFS01, Kec01, Kim20, KB12, Kla68, Kle02, Kle12, KO21, KH07, Kol16, Kol18, KM21, Kol21, Kom16, KBK21, Kon20, KMT16, KC09, Kra93, KR09, KLBKM+13, Kru13b, Kry88b, Kiu81, KHY21, LK14a, Lam15, LT20, LS07, Lan81, Lan13, LM11, LOMG+20, LZ08, LSH09, Law16, Law00, Led80, Led85, LWJ13, LLW07, Ler89, LXT02, Ler14, Leu87, Leu95, Len21, Lev81, LX16, LSC20, Lib77, LS20, LC13, LC15, Lin88, Lle12, Lle16, LW94, LMH70, Lor82, LLL21, Lun12, Lun77, Lyn68, Ma96, Mac78, MGP75, Mac00, Mah21a, Mah21b, MMC22, Mai85, Ma03, MK91, MCMV13, Mar69, MF17, Me01, MDSGG16, MS09, Mat03, MJS21, Mc14, MLL19, MS14, McQ86, ME13, MR17, MFG22, MRFW+12]. mathematics

[MMR21, Men20, MG12, MY84, Mog17, MAHK08, Mor14a, Mor14b, MO94, MR20, MRC18, MA09, Mur93, Mur95, Mwa02, NT19, NHO22, NBZ12, Nar16, Ng21b, Ng21a, NCMO15, NR10, Nol12, Nol16, Nor15, Nos01, NEM99, Ohu78, OLV20, OKL87, PV12, Pa13, Pa15, Pa18, PKP+18, PRR08, PA14, PXTW17, Phe10, PG95, PB09, Pim90, PW03, PK92, Pls68, Pla14, Pla18, Plu79, Pol68, Pol69, PSE87, PMG+94, Pop88, PSSZ19, PNHH98, Pre88, Pre92b, Pre07, PR08,
Pro13, PM19, Pur78, Qua92, QP22, RR17, RBWS18, RW11a, RW11b, RL00, Rel96, RK17, RR80, Rev68, Rev78, Ric20, RL13, Rob95, RG19, RG20, Rob90, RMAGMR22, Roo19, RL11, Ros78, Rot12, RM15, Rot16, Rot17, RW19, Rot21, Rou68, Rou95, Row08, RC02, RNC21, RM21, RJWB20, RMA98].

mathematics [Rut87, Rut89a, Rut94, RH02, RDH09, Rut10, RC20, RNM12, RNP13, RH19, SMFL19, SJ17, SS15, Sar02, SBL22, Say94, SBDM69, Sca75, SG22, Sch12, Sch11a, SM22a, ST08, Sed76, Sec11, Sek21, Ser68, Ser76, SA00, Sev22, Sfa13, SJS12, Sha78, SGB21, SD13, SAD21, Shv22, Sil13, SS91, SS93a, Sim94, Sim17, SS03, SEC13, Siw73, Sko94, Sko16, Sol95, Sol12, Sri18, SV09, Sta11, SW92, Ste13, Ste97, SRP21, SG98b, SB12, SPS17, SKN21, SPFGF14, Str87, Str93a, SMOR20, Sun11, SLW83, SS88, SW14, Swe77, TN16, TS18, TL15, Tak18, TV81, Tal08, TZLT95, TA08, Tar09, Tay68, Tay91, Tay96, Tch11, Tep20, TR11, Tho84, TPHS07, TB22, Thw69, Tie00, Tre93, Tre83, TJHD11, VC19, Van93a, Van03b]. mathematics [Van69b, Van76, VD78, VD79, Var76, VA18, VM78, Vin76, VCS95, Voi94, Vol76, WHE08, WHE09, Wag12, WBM^+20, Wai70, Wak14, WBM^+14, Wal12, Wal17, WqWLR18, Wed99, WW11, WFCW15, WHC09, Wha96, Whe92, WM09, WL90, WvdHPD15, WJW11, WS18, Wil21, Wil71, Wil78a, Wil12, Wil16b, Wil78b, Wit69, Wit81, Wit84, Wit01, Woo96, Woo12, WKB97, XA20, XXL21, XH88, XC19, YHL^+15, YK20, YSL22, YST22, Yan11, Zav21, ZZ11, Zep81, Zev11, ZB19, ZC19, ZK21, ZZ08, da00, df04, df12, dFS12, dFS13, dF16, dV18, dLA16, dLDzN21, rA20, vO13, vdS11, vdKG22, Fer15, Fer19, HSNHHE15, MF17, N1m77, Sta11, Tab22, TB09, Ka94, Gue19, Bak19b, Bec19, CL18, Ed18, Fit11, Fit15b, MW19, MBV21].

Mathematics-for-Teaching [DS06, Osl12]. mathematics-related [Han19]. mathematics-teaching [Rou68]. Mathematiklehrerberufe [Dam87]. Mathematikunterricht [Van76]. Mathématique [Nim77, Add72, BD72, Bos87, Cal94, De 94, Del68, DP77, Fis69, Fre69, Fre82, Her11, Kry69b, Kry88b, LS79, Rou68, Rou95, Sar02, Ser68, Ser69, Ser76, Siw73, VD78, Ano00h].

Mathématiques [Cop98, TB09, Add75, Add76, Ano72a, AP75, Bal80, Cas69c, Cas77, Deb06, Del69a, Duv83, For69, Gro77, Hah99, KC73, Mar69, Mas69, PRR08, PLS89, Rev68, Rob95, Rom74, Sar02, Tro04, Van93a, VD79]. mathématiques/réalité [Hah99]. mathématisation [Kry68].


Maximizing [McN00]. may [BHX97, PB09, dSBM21]. McCallum [Art19]. McNamara [dF12]. me [AAP21, Fit11, SM21]. Mean [BG60, PLW81].

Meaning [Bre98, Chr97, DZ00, Rad06, RP07, Abr09, BP22, Cla02, FA76, Han12d, KP10, MM20, MB09, MVVE09, Pre92a, RPK07, RSS11, Seel11].
meaning-making

minoritized [ARW22]. minority [MA09]. Minoru [LX16]. minus [ZG01]. Minute [BAZF04]. minutes [Ano78b, IT77]. Miriam [LT20].


Model [AAT99, CPP07, Dah04, DVJ98, DEM98, Ecc85, Fb98, Gat06, GPW05, SSLM+05, dKBvdS22, BNPG97, BR22, CO10, Car93, CHK22, DTo8, Hah75, Han12b, JP09, JK17, JTP94, KP10, KCS22, Lie90, Lm77, MRFW+12, MPZ16, Mev83, NBZ12, NHHN03, RL04, RH02, Sev22, Sha77, SSA20, TW09, Vh16, Vla02, WMM13, YL08, dV18]. modèles [AP75, LD88, Rob86].

Modeling [BJ22, Eng96, ZC06, AV22, Czo18, GP22, Han20, KO21, LH18, LMCG08, Sev22, ST20, Sto22, VN19, YSL22, vDDBB21]. Modelling [GC90a, IMRS07, MHRUS99, BN91, Bhu02, Bury80a, CLK22, CKS22, Dbl22, Eng03, Eng12, Fre13, FB16, Fv22, GGD22, GSW22, Han10, HGM15, HSZ17, KCS22, LK22, RSL17, SL+12, SKR15, TJ94]. Models [Fis01, GC90a, WW07b, AP75, Chi98, Cra12, Ebl03, GP90, Gk71, Kid11, LD88, Lec92, Lé93, Rob86, SPNH12, Sev22, ST20, SHAC01, Van03b, Ves69, Ves71, Ves73a, Ves73b, Ves76]. models-and-modeling [Sev22].

modern [Bja20a, Bja20b, D’A91, Eng69, Han68, Men71]. Modes [Fre13, MM00, SV09, BP22, Cho22]. modify [LG13]. moins [SLM79].


Montrouge [Dou76]. Morgan [PW03]. morphisms [BBF71].


much [Als02]. Mukhopadhyay [Fig11]. Multi [Nar00, AGL17, KM18, Wio10, YS12]. multi-directional [AGL17].

Multi-Level [Nar00]. multi-modal [Wil09]. multi-party [KM18]. multi-representation [YS12]. multidigit [Ch17, JTP94, Tha10].

Multidimensional [CB05, TB22]. multifaceted [WE95]. Multilingual [Ad07, BB07, GP01, EE21, Han12d, MR17, Mor07, Nor15, SA00].

Multimedia [RIA17, BHH94]. multimodality [FKC17]. Multiple [FKIA15, Gtu07, Mos05, Ob19, Sfa13, TTTTL10, BC96, Cli17, DK15, FA01, FT00, Han15, KV75, LCW20, SJ17, SKR15, SAR19, SLC95, VRP21, WSU19, WII16a]. multiple-choice [SJ17]. multiple-perspective [FT00].
multiplicative
[CRPPRG16, CS94, DS17, GCALB15, HS22, Lev92, ML20, PS21, ZW21].
Multiplicatively [EJDT06]. multiplier [Dem93]. multiply [DVV20, Dem93, SM22a].
multistep [CGD21], multivariate [MWVE09].
Murad [Edl18]. music [CBS12, Pre07]. Muslim [BW13]. My [Dor03b].
mysteries [Hop85]. mythbreaking [Tay96]. Mythmaking [Tay96].
mythologizing [WHE09].

Nasir [SJS12]. Nathalie [Art15a, Fer15, HSNHHE15]. National [Coo98, CG21, Tep20, WAL18]. nationwide [KZH+19, MRRF94]. native
[Dag96]. Natural [Rob12, Tal01, Wit75, Gal02, Siw73, VVV15]. natural-number [Gal02]. Nature [CB05, IB05, Nis99, Sen98, Boa02, Bor86, 
Dag96, DVJV02, FA03, GFWL11, KK12, LB707, Miy17, Sfa91, Wat87]. naturel [Siw73]. navigate [LLD14]. navigating [Was15]. NCTM [Ell18].
near [EJ13]. necessary [Her02b]. necessity [PHS12]. Need [DS06, BF21, Con90, Gai11, HHS00, LMC08, Web01]. Needs [Rod06, AC21, BRE20, DVC19, Dav71, dAS22].
Negative [LW99, SL74, Bek10, BLP+14, HC95, MRCR11]. neglected [TTL+13].
Negotiating [VN19, Cha22, LW94]. Negotiation [Chr97, Voi94, KP10]. Nelson [Fit11]. neo [Kae88, Kae90, RR17, Wil16b]. neo-literate
[Kae88, Kae90]. neo-Vygotskian [RR17, Wil16b]. neoliberal [dKV18].
nerd [FSB18]. Nerida [Ste13]. n’est [Gla76b]. nesting [TTS21].
Netherlands [DKBD19, DKBD21, DTD21, Fre78d, Tep20]. network [WWFC16]. networked [BDS+17]. Networking
[AM14, Bak16, TMH21, Kid16, TRDA20, Bak16]. networks [BDS+17]. Netz
[Sid05]. Neubrand [Art19]. neurology [Tho85]. never [TT01].
never-ending [TT01]. Newly [Ryv06]. news [ARW22, GG22a, KHY21].
Newspaper [Adl88]. Newspaper-based [Adl88]. newspapers [KHY21].
Next [HN08, Cor22, Hoy01]. Nexus [GH98]. Nicolas [Ber94]. Nigel [Wal12].
Nigeria [Ale81, Olu78]. Nigerian [Mal93]. Nina [SR18]. nineteenth
[BP80]. non [Pec76]. noble [Car08]. nombre [BC78, BC82, Com77, Com80].
nominal [GB13]. Nominations [Ano14a]. Nomograms [Fle76]. Non
[Gor98, Add72, AL00, Bor21, Dom19, KZ94, PGE09, Rob95, Ste76].
non-dominant [Dom19]. non-mathematicians [Add72].
non-mathématiciens [Add72]. non-measurable [Ste76]. non-routine
[PGE09]. non-standard [KZ94]. non-strictly [Rob95]. Non-Visual
[Gor98]. nonexamples [TTT08]. nonmathematical [TTT+13].
Nonprofessional [Kar10]. nonviolent [Gui17]. Nonvisual [AS05]. Norma
[JV17]. Normal [Wil97]. Normalising [APN01]. normality [Zav21].
normative [DH20]. norms [CA20, DW17, HS99, LW94, SG14, rA20]. North
Notations [Bri06, Gro77]. note [Ano96c, IM19, Led87a, Sed76, She87].

note-taking [IM19]. notebooks [FA03, YM16]. notes [Ano96e, IM19, Led87a, Sed76, She87].

nothing [PM97]. Notice [Ano80c, Ano89b, Ano92e].

noticing [MT15, AV22, BKK22, Dom19, DK15, Lou18]. Notion [Sty07, Bic82, Cas69a, Com80, DG03, GT95, MPG12, Mau85, Pap71, Pla18, Rev72, Tal80, TT07, ZER17]. notions [BD72]. nouveau [AG02].

novice [BKK22, Nol16, Rue13]. Number [Ern06, GD17, LW99, Mos05, Tsa02, BFG84, BC82, Car93, CPPT+13, CVN21, CS19, Com80, DB86a, DB86b, Ern85, Fre72, Gal02, HCG5, HS13b, Hof77, JTP94, KML22, MB16, Sfa15, SS93b, Son16, Tal80, TTO7, Tho90, TP15, VVV15, VAM21, VBE21, WD10, Yan19, Zaz99, Com77]. Numbers [JB21, LW99, Sel01, SZ07, Van84, Zaz98, AG14, Ano14b, BST81, Ber08, BL+14, BP22, BC08, Ch18, DVT+18, Eke77, FJC95, KBBK20, O'B70, Ott03, Ste69b, Tha10, Usi74, Ves69, Ves71, Wat87, WSU19, Wit75, ZCPP13, vBP19]. Numeracy [GB19, Hl05, IB05, Men07, Zev04, Cra18, Edw84, GGC+92, HMG16, MB16, TE14, ZC19, GB19]. Numeration [GL98, AR82, AV76, BJ82, BJ88, SHAC01, AV76]. numeric [SK13, WR96].

Numerical [Ber06, Flu05, IB05, Une74, Gla68, HC95, LBT22, LL99, LHL13, El 18, Urb93, Wri94, JSV75]. numerique [Gla68]. numeriques [Une74]. numerosity [LHS19].

nursery [WDvO19]. nursing [CW14b, NPH99]. nurturing [BTvG+17, SK07].


Occasions [TD02]. October [Van93b]. Odd [Zaz98]. Odds [Zaz98]. Offer [Mor06, IAP19, NCC22]. official [AC21]. Oh [YK20]. Ohtani [LX16].

Oksapmin [Sfa15]. Old [De 94, Eva07, AG02, Dem93, Kie01, Mat83, Rou68, Sch16, SD95, Urb93, WC08]. Olds [FB02, Dem97, DB86a, DB86b, LH18, SS93b, VVV22, Wri94]. Ole [LT20].

Olsen [HN95]. Olwen [dF12]. Olympiad [Ano70, Ano71c, Ano72b, Ano74c, Ano74d, Ano77c, Ano78b, Ano78d, Ano76h, Ano76g]. olympiades [Rom74]. olympiads [Ano69, Bec80, Ger84, Rom74, SY79]. Once [ZG01].

One [Ano00h, BR78, BT04, DGFT13, Pla14, Dho93, DG03, FPS16, FC12, Lev13, Pal20, RL00, SW95, Van76, VMN11, Vla02, Wai70, Wau90, Ano00h, PM97]. one-step [SW95]. oneself [ZW11]. Ongoing [DS06, HHDG16, Pai16].

Online [PY22, Sfa15, FWC22, RL11, vdS11, vdHPKR13]. ont [Rob86].
Onto [GBR05, MWVE09]. Onto-Semiotic [GBR05, MWVE09].

ontological [RP21, SD95]. ontologies [dFS13].

open- [DVV20, KL20, MW09, NCC22, Swe77, vdS11]. open-door [Swe77].

open-ended [NCC22]. Opening [Dim04, KL20, Wag12, Ban11, RL11].

Operating [LH96]. operation [BST81, BFG84, MEH20, Sla98].

operative [BS80]. operator [Car93].

opportunities-to-learn [NT19]. Opportunity [WvdHPD15, Zas05, Dag96, GBC12]. Opportunity-to-learn [WvdHPD15].

opposing [Sch20]. oppositions [SPS17]. optimization [MF10, WR77].

opportunities-to-learn [NT19]. Opportunity [WvdHPD15, Zas05, Dag96, GBC12]. Opportunity-to-learn [WvdHPD15].

opposing [Sch20]. oppositions [SPS17]. optimization [MF10, WR77].

opportunities-to-learn [NT19]. Opportunity [WvdHPD15, Zas05, Dag96, GBC12]. Opportunity-to-learn [WvdHPD15].

opposing [Sch20]. oppositions [SPS17]. optimization [MF10, WR77].

opportunities-to-learn [NT19]. Opportunity [WvdHPD15, Zas05, Dag96, GBC12]. Opportunity-to-learn [WvdHPD15].
pertinence [Fre82]. perturbed [CM92]. Peru [CRL06, CLSM17, Zav21].
Powerful [Kra93]. pp [Kae94]. pp. [Sri18]. practicable [NK17]. Practical [Sfa05, Eve99, IRA16]. practically [Lev10]. Practice [AAT99, BBE05, BC05, GS08, HPG05, Jaw03, Kap77, Llo06, MHRSU99, Woo12, AI07, Bak16, Bes12, BR17, BB03, Car08, Eng03, Ern86, ES03, GFJ13, GdA09, Gra04, GBC12, GB19, Har09b, HPS19, HMMG18, JGR14, Kra02, Lan13, LLW07, MDPW96, NPH99, PA14, PNH98, Rad03, RDH09, SW92, Sut93, Tab22, Tch11, Tho84, TB09, TW09, VA18, Wak14, XC19, dFQ16, Web18a, Web18b].

Practices
[Bur98, Cha06, EMT06, Mes04, Mos04, Wat00, Bas17, Bon14, Bra13, Cre03, Ell18, FGG13, FA03, Har09a, HH11, HMSBR19, IWF15, KMT14, McC14, MJ15, Mor14b, No16, PRR08, SA00, Sou83, Sty11, TP10, WBM14].

Practice
[AAT99, BBBG05, BC05, GS08, HPG05, Jaw03, Kap77, Llo06, MHRSU99, Woo12, AI07, Bak16, Bes12, BR17, BB03, Car08, Eng03, Ern86, ES03, GFJ13, GdA09, Gra04, GBC12, GB19, Har09b, HPS19, HMMG18, JGR14, Kra02, Lan13, LLW07, MDPW96, NPH99, PA14, PNH98, Rad03, RDH09, SW92, Sut93, Tab22, Tch11, Tho84, TB09, TW09, VA18, Wak14, XC19, dFQ16, Web18a, Web18b].
DVF18, GG22b, HOEF89, JMRW22, Lev92, MM20, Di 19, NCMO15, PG20, SG14, SA00, Tre91, VVV15, Var76, VA18, Wall2, XXL21, YST22, dVSKvO18, vBP19, FBM71. **primary-school** [DS02]. **primeness** [ZK15].

**principle** [BS80, Fre77b, NBE12, Sem84]. **Principled** [WD05]. **Principles** [Bel93b]. **prior** [Wil16a]. **Private** [Hus87, Cas04, ERS19, FA03, YM16, Cop98]. **Prévies** [Cop98].

**Probabilidad** [Cas98]. **probabilistes** [LD88]. **probabilistic** [CM92, Eng75, Eng76, FG84, FNM91, Gre01, VDD*03, LD88]. **probabilité** [GT95]. **probabilités** [FPM69, FBM71, Gla76a]. **probabilities** [CZ11, FBM71, SVLO20, Gla76a]. **Probability** [Cas98, FPM69, Kaz07, BN77, CV16, EK10, FYAE12, FG84, Fre74a, GT95, HK84, JLM97, KR73, Mor21, Sha77, Var72]. **Probing** [CWS93].

**Problem** [BG05, BR78, Cal94, CB05, Cha97, CWT12, DG06, Eng97, Jer73a, Jer73b, JS01, Jur06, Kap01, Kon20, LT86, MDD04, Mos05, NHH03, Pug04, SE93, Sil13, SEC13, SLJ69, XM17, Yer00, bMYT98, dPH13, AKL80, Aud83, BR22, BFG84, BLC20, Bj04, BN91, Bon13, Buc87, Bur80b, CK15, CMW*13, CM16, CL20, ÇA20, CV09, CCW95, CmDr18, Cha22, Chi98, CV16, CWYP92, CW14b, CF00a, Csk12, Dav71, DP92, Ell13, Ern16a, Eva99, FV13, FZ07, FK17, FC08, FF21, FM09, GG96, GGR02, GLH20, GS18, HH81, HWJ20, Hin15, Hus87, Isa87, JSV75, JM74, JC22, Jon82, JI15, Kar16, Kie01, KK13, Lec92, Lee17, Les81, kSL13, LSC20, Lib77, LLZ20, NT75, NCC22, Noe80b, Num66, O'B75, OK13, Ott94, Pal08, PEP19, PT09, RR17, SB20, SB97].

**problem** [Sch13, SLC95, SV13, JS01, Sty11, Tar09, TH13, VS13, VP13, VVV22, Ves76, VSS20, Vou12, WU19, WR77, Whi09, Wit71, ZP91, ZM91, rA20, vdHPKR13]. **problem-centered** [CWYP92]. **problem-oriented** [WR77].

**Problem-Posing** [Eng97, Kon20, Sil13, SEC13, Bon13, CMdR18, SV13, VP13, VSS20].

**Problem-Solving** [CB05, LT86, SLJ69, Buc87, CK15, CW14b, FZ07, NCC22, Noe80b, PCP19, PT09, Sch13, SV13, Tar09, VSS20, Whi09]. **problem-structure** [Noe80b]. **problematic** [Gal11, Gal19]. **Problematik** [JSV75]. **Problématique** [Ser76]. **problématisée** [Her11]. **Problematising** [Lle16]. **problematized** [Her11]. **Problematizing** [Wei17]. **problème** [Aud83, ZP91]. **Problèmes** [Ano72a, Cal94, De94, Del69a, Kk73, Lev92, Mar69, SB97, Sen96, TSV82].

**Problems** [Cha06, CH02, De94, DVJ98, Du06, GBR05, Gor98, GD99, LH2b, PM90, TP02, Wat00, Wi71, YG99, A8E78, Ade90, AG83, AG14, BST81, BFG84, BS95, Bor86, CHM83, CV16, CmGd21, Cre03, DVV20, Del69a, Dom11, DS17, EL86, FQL+17, FCP89, FCP89, FCP90, GMB70, Gil91, HC95, JR72, Jer73a, Jer73b, JHC14, Kisl83, KPS83, KLE71, K120, KO21, Kon20, Kk73, Lau86a, LcD90, LG13, Lep90, LeY92, LPE92, Loc11, MF10, MAR69, MAR86, Di19, MJ15, NES76, NK77, NH94, Ott20, PGE09, PvDP12, Pol68, RO09, SPSS20, SLP+12, SKR15, SAR19, SLS74, SE96.
SD94, SW95, SOC86, Sta89, SRR22, Sun11, TSV82, Van94, VM13, Wha96, Wol83, dKBvdS22, IRA16, vLXD18, Ano72a, Par88, Ser76, Sel00.

**Procedural** [Vou12, dLT08, LDM92, PM00, Sae09]. **procédurale** [LDM92].

**procedure** [PvdHPR12]. **Procedures** [ABvP02, SS05a, Dem97, FZ07, Fos16, JMA19, MS19, RL12]. **proceedings** [Str08].

**procept** [Kid08].

**Process** [Bal87, DEM98, Kap01, PDV07, Riv07, Sha98, BR22, Bel79, Bju04, Boa93, BSV95, BDHN92, Bre22, Czo18, Dam87, DPG89, FBA10, GP90, Gal81, HGM15, HSZ17, Jak71, KT15, Kle02, Kry68, Lun77, MW19, RP21, Rob12, SWSW13b, Str84, Str85, Wit01, ZS15, Aud83, SWSW13a, MR17].

**Processes** [Alb00, BG05, Dah04, GBR05, OB06, OPC +98, Pug04, THS06, Vin97, Bec77, FDW19, Han20, Ior17, KWF15, KAJHB10, KC22, MH97, Mey10, OB11, PR11, PW22, RW11b, SJ17, Sch16, Sch13, Sfa91, ST20, Tro00, Whi09, vDDBB21, RW11a].

**Processing** [CCW95, SOC86, SLW83, Wal12].

**Processus** [Aud83, Bal87, Kry68, DPG89, Tro00]. **produced** [MG00b].

**producing** [DVC19, NK17]. **Production** [BZ01, IIMR +11, RFP14, BZ01].

**Productions** [WA04, DS02, Deb06, PM16, WB12].

**productive** [Kle02, LG16, Ryv04, SM21]. **products** [GG22a]. **Produire** [Rut02]. **profess** [LW14].

**Professed** [Spe05].

**professeurs** [VD79]. **profession** [Dam87].

**professionalisation** [Dam87]. **Professor** [Ano16b]. **proficiencies** [Zep81]. **proficiency** [Cor22, EPQH18, Isa87, RO09].

**profile** [DT08, Way94] **profiles** [Phe10].

**Profound** [DR13].

**Program** [Lev71, PC98, CPP09, Eve99, GSR72, HMNB20, Loc92, SS93a, Vil10].

**Programmation** [DG89].

**Programme** [GR71, HHDG16, HN08, JN15, PT09].

**programmes** [Une73].

**programming** [DG89, GRB22, Kyn93, Nos86, SD94].

**programs** [Baz88, BF96, Une73, Mah21a, Mah21b].

**Progress** [Han98, WD05, Lle16, RWZ15].

**progressing** [Dra14].

**progression** [BBG +17, El 18].

**progressive** [MW00, Tre87].

**Project** [VC95, CWYP92, HS14, Lan81, IB05, Rog85, SA07].

**Projectiles** [CGGGG79b].

**Projection** [CDGG76]. **projective** [CDGG76]. **projects** [DGMRV21, HI94, HB69].

**prologue** [TN16].

**promise** [McC14].

**promises** [Cra18]. **promising** [vSBvR00].

**Promote** [MHD04, Fra13, SD31, ZC22].

**promoted** [HMT13].

**Promoting** [HHDG16, GK20, HHS00, SKPS16].

**prompting** [SKR15].

**prompts** [DS17, MFG22].

**Proof** [Ber06, Bur05, DH20, HJ93b, Han00, HP03, KD14, Mar00, MMBD05, Miy00, Sint93, SoL06, Sty07, SS09, Uhl02, Uhl03, WA04, AS11, AK19, Bel76, Bro14b, Bur02a, Cha93, DAI20, DW17, Dho93, DRR02, FG17, FC12, GD17, Hem10, Her02a, IIMR +11, Kom17, KJ22, LG13, LR20, LCW20, MP14, MRFW +12, Miy17, MFJ17, Moc94, NK17, Ott94, Ped07, PvdHPR12, Ram03, RG01, Rob12, SPC +16, Sho21, Sim15, SS17, Van77, WFCW15, WHC09, YL08.
Recommendations [Wat00, Ano68a, Ano71b, HSM22, LLW07].
reconceived [LS11]. reconceptualization [RT09, Sev22]. Reconciling
[Eng03, Bur02b]. Reconfiguring [KM18]. Reconstruction [PDV07].
reconstructions [GP17], recorder [Fie87], rectangle [TP15, Yin10].
rectangles [Son13]. rectangular [BHLH85]. recursion [Kil85].
rectangles [Son13]. rectangular [BHLH85]. recursion [Kil85]. Recursive
[Sen98]. redescription [Vou16]. Redirecting [Dra14]. Reducing
[Har99, HZ05]. réels [Bal88, Rob86]. reference [TV81]. referenced [MO94].
References [Kem81]. referent [Lee17]. References [MM00]. refined [SL19].
Refrainments [RW11b, RW11a]. refining [Tha10]. Reflected [Han06].
Reflecting [GG22b, Kra93, LS20, Abt22]. Reflection [AAT99, GSE07, Kil85, TZLT95, Bag10, BC12, Elb03, GG22b, Güc16, HGM15, Str93a, Whe92, Hah99].
Reflections [ABK+05, Ano02c, Bur06, Eva99, Sfa91, SK07, AV76, Bju04, BK91, FA03, HS14, KDM21, LB16, Roo71, Tep20]. Reflective
[Sen98, ZCPP13, GP90, GE98, Wit81]. Réflexion [Hah99]. reflexions [AV76]. Reform [IE07, MG00a, Sen98, Ban11, Bra11, BP80, BSF96, CP10, Cho22, D’A91, DVC19, Del69b, DKBD19, DKBD21, Goo07, How73a, How73b, Lun12, MRC18, PPSZ19, SS10, Swe77]. reform-oriented
[Cho22, PPSZ19]. reformating [RNC21]. reforming [SW92]. reframing
[RNC21]. refutation [KJ22]. refutations [Kom16, LZ08]. Regarding
[DWMB05b, DWMB05a, CEMP04, Kor03, VO17]. regime [KMT14].
register [TD12]. registers [MAPHB21, ST20, SPFGF14]. Regulate
Reification [Sla97, GE98, SL94]. reimagined [MJS21]. reimagining
[RNC21]. Reinventing [PM16]. reinvention [DC17, Fyh08, SHG21].
Rejoinder [Fre76a]. relate [KR11, Nol11]. Related
[Bag06, EJDT06, And89, Art97, BA14, Bek10, ÇA20, Dar82, Eli85, FP85, FLT14, Han19, KO21, Knu12, Leg85, SG14, Sie87, Tle00, TTL+13, TLM07, WZC21, WMN22, rA20]. Relating
[AWE22, AOJ22, Dav71, FI17, Mau85, Sch11a]. relating
[Arn69, BLP10, Cor17, Dör03a, FC08, Gol03, Hah99, HSMST21, Kie01, KJvD20, PCC19, PC10, RL12, Roy81, SPNH12, TTO7, Tou71, ZBBZ85].
Relational [DLK14, Bat13, DVC19, PS21, VV22, VVY21]. Relations
[AF05, KR73, Lab78, Bas69, BP15, DG89, GG22b, KBBK20, LOMG+20, NBE+12, TY04]. Relationship
[MP14, Tch11, AAM21, Bes12, BWHM+10, CRPPRG16, For95, FA03, Hah99, Kru13a, Lev22, LL99, LLZ20, MY84, Ped07, RO09, ST02, SBDM69, Tho84].
Relationships
[DCHM19, MK91, MM00, SMFL19, Zep81, dA00, AWL15, BML21, BBG+17, BIBS+19, Bro11, DG89, MZ12, PGV22, SR92, SSA20, VP13, Wil16a].
Relative [MH97, Wai70, JR72, Mau85]. release [SM22a]. Releasing
[ZW21]. Relevance [Fre82, Eng69, Tal80]. relevant
[LT86, Mat03, Men71, Mog17]. reliability [Kno77, WBM+14, Fre82].
reliable [HH78]. reliance [ČK18]. reliant [Wit69]. relief [GS20]. religions
S [Jon16, Tsa02, DJW19, Drl06]. sa [Kra02]. Sacha [Gre17]. safety [CW14b].
safety-critical [CW14b]. Same [Tsa01, Tsa07, BJ88, Sfa91, VDWV04].
Sameness [RS22]. Sample [CRL06, CZ11, CG21, KL16, RRP91, ST02].
samples [AGP15, BZBM15, GLZBZ15, MMP15]. sampling [AG21, GLZBZ15, MMP15, NH15, PAW15]. sand [Ger88b]. Sara [SWG05].
savages [Car08]. Saxe [Sfa15]. say [LJW13]. scaffolding [GMNB18]. Scale [FSS+19, CVN21, CWH19, FK17, HSM22, LLZ20, MCKP19, RH19, ZSL02].
Scaling [EEST20, HPS+19, KZH+19, NK17, PFSS19, RTSK08].
Schemata [FG97, Fis99]. Schematic [FV13, Ng21a, SJ04]. schematisation [Tre87].
schematization [GP17]. scheme [Sim15, Sty11]. Schemes [Riv07, GBR22, HN96, HP03, Hum86, Kid08, MPZ16, NH94, RL13, SL95, Ste83].
Schmittau [Bac21]. Scholastic [BH97]. School [AR07, Ass05, Baz01, Dah04, DVJ98, Dou99, Eng06, EMT06, FPM69, FWCW22, GS08, HZ05, Jur06, Lev71, Lit00, Mes04, Miy00, Pre88, Prz05, SK07, SPFGF14, Sty07, STM06, Tic02, War06, Wat01, AI2, Aim09, AG02, Bal71, Bar03, BNFP97, Baz90, Bji82, Bji88, BAZ01, BML21, BD72, Bes12, Bla58, Boa93, Bra14, Bur80a, Bus96, BBFG99, Cas69b, CDGG76, Cha18, Cha22, Cha93, Cla12, CG21, Cra12, DP92, DS02, DVJV02, DVF18, DH20, Dow96, Ell13, Eng71, FJC95, FKIA15, Fre74b, GC90b, Cia76a, Go007, Gui17, Gut92, Hah14, Han12a, HS13a, Hay87, HW120, Her02a, Her11, HMMG18, HMBT21, Hi71, HHDG16, Hol81, HC14, Ho81, HHL22, JK17, JGR14, JS01, Kap76, Kap70, Kar02, KK12, Ke71, KL82, Kim20, Kle71]. school [KO21, Kom16, Knu17, Kuc81, LS70, LM11, LLW07, Leu87, Lun12, Ma96, MM20, MvdKM13, Mal93, MK91, Mar69, MG00b, Di 19, MDLP96, MS20, MY84, MLL20, MCR18, NHO22, Nin75, PG20, Par91, Pop88, PFSS19, Pre92b, Pro70, RL13, RA21, Roy81, RDH09, RC20, Saj03, SM22a, ST08, Ste13, Ste68, Sty11, SW14, Thw69, Tic02, Tou86, Tre91, TP15, VS13, Var76, Whi87, Wil16a, WS18, XLL21, XHR8, YST22, Yan11, ZER17, dSVKVo18, vHPKRL13, Lib71].
school-level [KO21, BXXH]. school-type [Mal93].
schoolbooks [Bar07].
schooled [TDGV09]. schooler [SM22b]. schoolers [DH90].
Schooling [Nol16, Che88, Cla85, JMRW22, Led92].
Schools [BBEG05, HHB07, Baz88, CD04, Dav71, Fid85, For69, Gen70, Han68, Kar10, LR81, Ly68, Mal93, Miy17, NCMO15, Sek21, Str08, Tay91, dKV18].
Schoolteacher [PM15]. Schorcht [Fur19]. Schubring [Art19, Law16].
Schwarz [Rad11, Web18a, Web18b]. Science [Kry90, RD92, Ano81b, BP80, LMC08, Wit95, Han98, Fur22].
sciences [Bag10, Feh99, Kry90a, Mur93]. scientific [HGM15, JSV75, MPS12]. score [WBM14].
Search [Leu01, Str84, Str85, Vol86, Zev06, ARHS14, Kon72, Lle12, Sim96].
searching [Fit15b]. Sebastian [Fur19]. Second [All85, CWYP92, Daw83, HS22, Has97, Jon82, PRR08, Rev72, RG19, RG20, Rob90]. second-grade [CWYP92]. secondaire [FBM71]. Secondary [Bes07, CGGG74, Cor17, DVJ98, Miy00, PBR04, Prz05, Wat05, Ano69, ABOM20, Aud83, BKK22, BNP97, BD72, BN77, Boo81, CLK22, Car18, Cas69c, Cas69b, Che89, Cla85, CB17a, CB17b, DVJ02, DVF18, FBM71, FT03, Fra96, Gal82, Gen70, GSW22, Gue08, Gui17, Han12a, Her11, HC14, KPH10, Kae88, Kar10, KL82, KO21, Kom17, KKB21, Kioc81, LR87, Leu87, MMC22, Mal93, MK19, MG00b, Miy17, MLK16a, MLK16b, Orl71, PB09, Rev72, Rüe13, RDH09, Sa0j03, SMFL19, ST08, Sek21, St68, SG99b, Tom90, VVV15, VD78, VD79, Vil71, VR09, WH15a, WH15b, Wi16a, Wi21, XH88, vSBvR00]. secondary-education [Aud83]. secondary-school [RDH09]. Secondary-to-tertiary [Cor17]. Sectional [EJDT06]. sections [Ano84c]. seduction [BH11, Wag12]. see [GL10, HH11, LaC14, PAW15]. Seeing [Han12b, JC22, MP84, Wi21, Par88]. Seeking [Ely10, MS14]. seemingly [VG19]. seems [ZG01]. see [KHMRK15]. Seizing [Zas05]. Select [LH22b]. selecting [LH18, MJ15]. Selection [Kis86]. Self [Fri07, HC95, Mal06, Ng21a, PBV03, BLC20, BS15, BZF04, HGM15, KMT14, KR09, LLZ20, PL96, SLF12, SAR19, Sol12, TJ94, TTL13, VSS20, WIT69, XA20, ZC19]. self-assessment [BAZF04, TJ94]. self-checking [Plu79]. self-concept [Rel96]. self-efficacy [BLC20, LLZ20, SLF12, SAR19, TTL13, VSS20, XA20, ZC19]. Self-Knowledge [Fri07]. self-reflection [HGM15]. Self-Regulated [PBV03, KR09]. Self-Regulation [Mal06]. self-reliant [Wi69]. Self-schematic [Ng21a]. sellers [Hah99]. selling [TB09]. Semantic [BEW99, Nar00, SW95, WA04, Min83, NK77, NGR82, SLAY19, WB11]. semantically [CCRD22]. semio [Ior17, Ior18]. semiotic [AS11, BH05, Em06, GBR05, Hof06, Ong06, Ott06, SLP06, Sch13, Win03, APRS09, FLM07, Fri11, FDW19, MWVE09, MAPHB21, MK14, Rad00, San11, See11, ST20, SZP10, GFWL11]. semiotic/dialogic [FDW19]. Semiotics [Moo06, Pre06, Ott11, PR08, Sch11a, TR11]. Senegal [VD79, VD79]. senior [MMC22]. Sense [MM00, PK17, Sel00, WG07, Bar96, CPPT13, FC12, JTP94, KOMH22, KJvD20, LL99, Moo13, Pal08, RFP14, Sch16, SM17, Sim96, Sla98, WD10, Wai14, Yan19]. sensemaking [MZ21, RP21]. Sensitivity [Jaw02]. Sensuous [RP07, Rad09]. SEO [MA09]. Separation [XC19]. separate [Joh15]. separation [Van74]. September [Ano74b, Van93b]. Sequence [MD01, Prz05, BC92, Roh08, BC92]. Sequences [AS05, Ber06, Bur05, AS04, AS17, Sch11b, TL15, Vou16, Wei91]. sequential [AWL15]. Series [AS05, AS04, Car10, DL14, GMNB18, Mar13, MPGDA12, vBP19]. serves [ME13]. service [AG21, AV22, BKK22, Bek10, BHN10, DC92, DVT18].


[59]

Sin03. skill [Sle82, WE95]. skills [BMK21, Bro10a, DT08, Ern86, Ham68, Hee85, HHDG16, JSV75, LDM92, LHS19, SMFL19, SGB21, SRR22, TJ94]. Skovsmose [LT20]. sky [Ano84c]. Slope [WG07, CN16, MRCR11, Zah15, ZSL02]. sloppy [ZSL02]. Small [Kle01, BCE+19, BHLH85, GGR02, Sha77, TS18]. small-group [Sha77, TS18]. smallpox [Gos21]. smoothie [ATDR19]. so-called [Bau80]. Social [BC05, CF00a, Gat06, GdA09, Har09b, Kol18, Mor06, Mor14a, MHD04, QP22, AV08, AC95, Bau92, GB19, Hoy01, JGR14, Lan13, LW94, MFG22, MK14, No12, PV14, Rad03, See11, SJ12, Ste91, TB09, All99]. social/institutional [AV08]. sociale [TB09]. Socialist [How80]. Socially [GGR02]. Societal [Lin88]. Society [Rog85, Kae88, Kae90, Tay91, TE14]. Socio [II05, KHLP08, ODV06, CA20, Kae90, Kol16, Kol18, MK91, TJ94, da00, rA20]. socio-constructive [TJ94]. Socio-Constructivist [ODV06]. socio-cultural [dA00]. Socio-Economic [II05, Kae90]. Socio-emotional [KHLP08]. socio-mathematical [CA20, rA20]. socio-personal [MK91]. socio-political [Kol16, Ko18]. Sociocultural [KFS01, Leo01, JP90]. sociolinguistic [RG19, RG20]. Sociological [PA14, Dow96]. sociology [Wil12]. Sociomathematical [SG14, HS99]. Sociopolitical [Edd18, Sri18]. soft [Ham68]. Software [Jon00, Mar00, Art97, RDH09, soit [Ser68]. solid [Rog71]. solids [BHLH85, JS01]. Solomon [Bro11]. Solution [Tho90, BSV95, CV16, Lin90, PCE09, TTTL10]. Solutions [DV98, Tsa07, AI12, CHM83, CV16, Hin15, SKR15, SAR19, SLC95]. solve [AG83, AG14, CK15, JMA19, VM13]. solver [FM09]. Solving [BSV95, BG05, Cal94, CB05, Cha97, DG06, GBR05, Gor98, HBG89, Jur06, Kap01, MDD04, Mos05, NHN03, Pug04, Riv07, XM17, bMYT98, Abe78, Bju04, BN91, BR78, Bue87, Bur80b, CK15, CV09, CWW95, CWT12, Chi98, CW14b, CF00a, CSK12, DP92, FV13, FZ07, FQL+17, FF21, GG96, GGR02, GS18, HH81, HC95, Hew12, Hin15, Isa87, JM74, JHC14, JC22, JJ15, JS01, Kal83, KB20, Kie01, KMA02, Lec17, LT86, Les81, Lib77, MF10, NT75, NCC22, Noe80b, Num96, Pao8, PCE19, PvdHP12, PT09, SPS02, SB20, SB97, Sch13, SE93, SV13, SO86, SJ04, Sty11, SL69, Tar09, VV02, Ves76, Vla02, VSS20, Vou12, Wha96, Wih09, Wif71, Yer00, dBv8d22, vHPKR13, TSV82, ZP91]. Somatic [BR06]. Some [AG83, Bag06, Bel93c, Ber06, Bur02a, Bur05, DRR02, DWB05b, DWMB05a, Egs70, FA03, GB14, Grie78, HR74, HS99, Jee71, Le05, Min83, O’70, PSL21, Sin03, Str78, Str84, Str85, STM06, TS93, U81, V69, E186, Lor82, MK91, Mon00, Pol86, VD79, Add2, AV76, Del68, Del69a, Hof06, KCT73, Mar69, PF11, TLM07, Van69b, VD78]. sondage [Bui76]. Sophia [Tur88]. sophisticated [DS17]. sought [Ano14a]. sound [BR12]. Source [Lab00, Fre09d, ZB19]. sources [Al07, ABOM20, Bon13, ET95, SGCA18]. soustraction [AL00]. soustraire [Dem93]. South [Ano16c, DBL22, Adl88, Ban11, HMG16, Nkh02, SA00, VAM21, IRA16]. Souza [LT20]. Soviet [FF21, Fre74b]. Space [MZ18, Bal88, CZ11, FCN14,
KC09, LH71, MRCR11, Pap71, Par88, Par91, RL11, ST10, TDEM13. spaces
[Ban11, ERS19, Gla69, GM08, Lec92, NT01, YTD11, KN21]. Spanish
[BBEG05, VMN11]. Spanish-speaking
[Bis80, LC81, BCLH89, BH11, BDS+17, PC10, SMW11]. Spanish
[Ban11, ERS19, Gla69, GM08, Lec92, NT01, YTD11, KN21]. Specifícity
[BBEG05, VMN11]. Speaking
[Bis80, LC81, BCLH89, BH11, BDS+17, PC10, SMW11]. Speaker
[Bis80, LC81, BCLH89, BH11, BDS+17, PC10, SMW11]. Speaking
[Bis80, LC81, BCLH89, BH11, BDS+17, PC10, SMW11]. speaker
[Pla14]. Speaking
[XC19, VMN11]. Specific
[BHX97, DGA05, Kun12, LLZ20, SLP+12]. Specificity
[BC92]. Speed
[JHC14]. Speeding
[DH90, LHS19, Tre83, HWJ20, VO17]. Sporting
[CGS76]. Spreading
[Fri21, RA21]. Spreadsheets
[LE09, CB89]. Spreadsheet
[LE09, CB89]. Spreadsheet-based
[LE09]. Spring
[ZW21]. Springer
[Cor22, Gre17]. Squared
[BP80]. Sri
[Gun78]. Sriram
[Pai18]. Stability
[MK97, Fre72, McD89, PRR08]. Stable
[VGJ19]. Stage
[Coo98]. Stages
[KB07, Die70, Ger10, Noe80a, Noe80b]. Staging
[Tzu07]. Stakes
[ICR20]. Stance
[HEWC10, TL15]. Stand
[AAB03, RC02, RC04]. Standard
[GC90a, FVJL+19, KZ94, Pre06]. Standards
[Mac00, MO94, WBM+14]. Standards-based
[WBM+14]. Starting
[Car08]. Started
[LM11]. Starts
[Gre17]. State
[BN91, Nis99, CKS22, Hy07, LT20]. State of the art
[CKS22, LT20]. Statements
[Bis79a, Bis85, FTM81]. Statements
[CCRD22, SM22a, SS95]. States
[RL13, FSY22, MNRH95, YC95, Law00]. Static
[Lab78, MAHK08]. Static lies
[Lab78]. Statistical
[BH05, WM98, WK04, vDDDDB21, BA14, GG22a, GLZBZ15, Kap80, Mov83, ST02, Wei17, dVSKvO18]. Statistics
[CGS76, Hah14, MRRF94, Tru15, VM78, dSBM21]. Statistiques
[CGS76]. Status
[Kae90, Mwa02, XH88]. Steinbrinck
[Mor00]. STEM
[Fri21, Fri21, KPS17]. Step
[Hoy01, NH94, Ric04, SW95]. Steps
[Ber06, Bur05, HN08, Rev69]. Stereotypes
[Tie02]. Stereotyping
[Rut87]. Stieg
[HN95]. Still
[JGF20, VVV13]. Stimulating
[DVT+18]. Stochastic
[Hei75]. Stoffe
[Beh68]. Stone
[AMMS20]. Stories
[L0b06, FSB18, KK13, Osl12]. Story
[AZ20, AOJ22, BF21, Die15, Fur19, HS02, KB11, LXT02, Lin90, MZ12, RL00]. Storying
[Nar16]. Storylines
[ARW22]. Storytelling
[KP10]. Strategic
[CGD21, RSL17, Web01]. Strategies
[ABvP02, CB00, Cs16, Fie79, Gor98, JS99, Sel01, Rev76, CN00, CWT12, CVN21, CR09, De06, DS17, Eng91, Fro99, Gal86, GG96, GS18, HKG89, HP03, JB21, JHC14, KPH10, Kor03, KSL11, kSL13, Noe80b, Nol16, OMR20, PPG95, PFSS19, Pro13, SS15, Sch16, SD94, Tho90, TDGV09, Van03a, Vol86, Yer00, Yim10, ZC22, vdHPKR13, Deb06, Rev76]. Strategy
[Mur04, Ana70a, RRP91, Son16, Vin75, Yan12]. Streetland
[Pre03, PvdHP03, YSRU03]. Street
[GB19, JS99]. Strengths
[Kim20]. Strewn
[HII81]. Strictement
[Rob95]. Strictly
[Rob95]. String
[Fre79a].
strip [Roh10]. Structural [Jan74, JGR14, Jur77, SLS74, Jer73a, Jer73b, Lep90, RC94]. structuralist [Rot12]. Structural [Duv91, LL99, Sha98, SS06, AT21, BFG84, BIBS+19, CWS93, GCALB15, GB13, LS70, LH71, Mar13, Mev83, MFJ17, Mor14b, Noe80b, Roh10, Rue13, SM17, Duv91]. Structured [ABvP02, HKG89, Hin15, Jee71]. Structures [Ham06, Usi85, WG07, Yan12, YG99, Di670, Une74, HAMA11, KMT14, McD89, MP96, Nol16, PA18, PS21, Sch20, SW95, Tho93]. Structuring [TD02, DT12]. struggle [HMG16, TT01]. struggles [Kon18]. Stuck [MZ12]. Student [Alb00, BH05, BN96, Bju04, BG05, Cal94, CN16, CPP07, CR09, CB00, Cop98, DVJ98, Doe06, FDW19, GP17, HL16, Har09a, Hod96, HK02, IWF+15, IB05, Juh15, Jon00, Kaz07, LL13, Lit03, Loc11, MS97, MMBD05, MPGDA12, MPG12, MC01, MCn00, MFJ17, Mos98, Mos05, Ort83a, Ort83b, PLW81, Pug04, RP21, Riv07, Roh08, Ryv06, SG08, SM17, SG98a, Sol06, VL04, Wat68, Wat07, Web01, WT14, Wil16a, Zaz98, ZC06, AI08, AMV15, ALW15, AWE22, BA14, Bar03, Beg71, BCLH89, BHLH85, BZA01, BML21, BWHM+10, BC96, BMP20, BP15, Bra14, BAZF04, CO10, CMW+13, CHM16, CLK22, CV09, Car10, Car18, Cas04, Cha93, CH13, Cla85, CSS+14, Csi16, DVC19, DC17, DJV20, Deb06, DT08, Dra14, Ecc85, EJ13, EEST20, FQL+17, FK17].

student [FE09, FWCC22, FA03, FMA20, Gan92, GLZB15, Ger10, GMNB18, GK20, GMHG09, Güç16, GS18, HTM18, Han20, HOS13, HBZ08, HS13b, HM13, HHDG16, HAMA13, HMT13, IM19, ICR20, JHC14, JM18, JE14, KPH10, KP10, KK12, KPS17, KB11, Kon21, Kon22, KOMH22, KVd20, Kor03, KSL11, KC22, KR11, LOMG+20, Led87b, LK16, Lev10, Lev13, LC15, LK22, Mal93, MWS17, MF17, Mar13, MSdSGG16, MPd17, MMP15, MEH20, Mev83, MK97, MS20, MW09, MAPHB21, El18, NCC22, NH15, Ola14, PP12, Par91, PvdHPR12, PT09, PA15, PMG+94, PR08, QM94, Rad00, RW11a, RW11b, RSL17, RR19, Roh10, RDH10, RC94, Saj03, SMFL19, SJ17, SLB22, SLP+12, SKR15, Son13, Son16, SSP04, Sty11, SLW83, TA08, Tch11, TT07, TS99, Tru15].

student-centredness [Wal10].

students-teachers [HMA13]. Students [BCFF+98, BH95, CBF07, Car99, Cla07, CRL06, GL98, GBR05, GPW05, II05, Jur06, MM00, STM06, WB11, Wat01, Wit94, ARW22, AK19, Bat13, Bek10, Blo03, BLP10, Bon14, BJJ13, BSF96, Bro88b, Cla83, Cla92, CBSP12, CSK12, CLSM17, DW17, DeB97, Dem93, Dib19, DH20, Dom77, DLK14, Dom19, DS17, DBL22, Ell13, Eng12, ET95, FV13, FJC95, Fra13, Fra96, GdA09, GG22b, Gr077, GLH20, Hah14, HC95, Her02b, Hew12, HP03, IAP19, JGF20, Kae93, Kae94, Kar10, KIS86, Kon72, LH71, LBT07, LMC08, LLZ20, LG16, LLD14, Ma96, MK91, MG00b, ME13, MFG22, Min83, MY84, MLL20, MRC18, MA09, Ng21a, Nkr07, O'B73, PG20, PFSS19, RO90, Rob86, Rü13,
surveilling [Sko12]. survey
[BCZ21, BGSW94, Bu676, Fey89, FB02, GB01, MRW14]. surveys
[Del68, TE14]. Susanne [Bak16]. Swapna [Fit11]. Swedish [Han10]. Sweep
[Vog70]. Switch [Gil71]. Switzerland [SS93b]. sword [dKBvdS22]. Sydney
[Wat05]. syllabuses [Hol81]. Symbol [SLW98, BP80, Kie81, KJvD20].
Symbolic [NHH97, Sko12, Bos87, DF15, MM20, Rob75, Rut90, SSP04,
TAH08, Tro00, VY221, ZWMR16]. symbolically [CCRD22]. symbolique
[Bos87]. symboliques [Tro00]. Symbolising [Pai15].
symbolism [CMdR18, CB17a, CB17b, HR74, KT15]. symbols [Hie88, MM20, Wea90].
symmetric [Hah75]. symmetry [Coo92, Ros69]. symposium [Ano74b].
Synergies [MCVM13]. Syntactic [WA04, SK13]. Syntax [RP07]. Synthese
[Han98]. System [Van74, Bro10a, BBL22, CB19, Dub84, Gen70, HOEF89,
KRHD15, PGV22, Sfa15, SAD21, SS93b]. system-wide [Bro10a].
Systematic [Eng68, CKS22, RBWS18, SM22b, SMOR20, WSU19].
systématique [Dub84]. systeme [Ott76]. systemic [Wis01, ZCPP13].
Systems [Gat06, CV09, Dié71, GMHG09, GT09, KB20, LCW20, MWVE09,
PXTW17, Sek21, SK69].

T [Fit15b]. table [Lan86a]. Tableur [CB89]. Tacit [Fis01, Kid11, PA18].
TAI [TA08]. tails [LLHL13]. Taiwan [KCS22, YC95]. Taiwanese [YST22].
take [Sca75]. taken [Kon18]. Taking [SPNH12, ALO+91, IM19]. tale
[Gri87]. talented [CA20, Ell86, Kis86, Lar86, SGTK14, rA20]. Tales
[KDM21, GM10]. Talk [Cre06, Edw09, LK16, RG19, RG20, Row95]. Tall
[Bye15, KH80]. Tamás [Kry88a]. tangents [Hir72]. Tanzania [Phy71]. Tao
[Cle84]. tape [Fie87]. Task
[Chr97, KK13, MM00, VBE21, AGP15, Bro08a, FB16, GGD22, KH07, LL13,
LLZ20, SLP+12, SMW11, SS88, TTTL10, VGJ19, WSU19]. task-based
[KH07, LL13]. task-specific [LL20, SLP+12]. Tasks
[Do06, II05, Lit00, MDD04, AOJ22, AAM21, BLP10, Cle80, EJ13, FI17,
Fos18, GG22b, Gue19, HCS2, HK89, JE14, KL20, KSL11, Kra93, KMA02,
LL07, LMC08, Lev22, LG16, LLD14, NCC22, PPPP14, Ric20, SMW11,
SV13, TTL+13, VVV15, Vol77, VGJ19, WvdHPD15]. Taught
[Mur04, Egs70, Miy17, MRC18]. taxis [Sch92]. Taxonomy [EH05a, Ola14].
Taylor [Mar13]. Teach
[Moy01, Nic98, NC06, PBR+04, Ano76d, C048, FVJL+19, Fre68, LX14a,
LSC20, LC15, Par15b, Par15a, Pol69, RDH09, Ser68, Sim94, Swe95, Van76].
Teacher
[ABK+05, AR07, ABM92, AAT99, BBEG05, BKK22, Bes07, Bes12, CWL07,
CP10, CEMP04, CSS+14, Coo99, CG21, Cre06, CLSM17, DEM04, DK15,
EJ13, FPCL90, FI17, Fre77a, Fur07, GSE07, Gat06, GS18, HDM07, HMT13,
IE07, Ior18, Kim20, LE09, Law00, Led87b, Llo06, LLL1, MCB05, MMBD05,
PKP+18, PC98, PMG+94, RR05, Sen98, SSLM+05, Spe05, Tie02, TER98,
Tsa07, Wai10, WG07, WCO9, ZC22, ZS07, dPQ16, dF12, AG21, AV08,
AAP21, AV22, AH00, And09, Art15a, Ayd90, BN96, Bek10, BCFC90, Bju04,
BHN10, BF96, BR17, BC12, BBL22, CLK22, CEHM16, CRPRG16, CPK08, CPP09, Cor22, Cre03, DC92, Dam87, DR13, DVT+18, DWP21, DDB+10, EH20, Ell13, ET95, Eve99, Fau15, FSY22, Gel98, Gel08, Gof77, GMNB18].

teacher
[GS20, Goo07, Gra04, GSW22, GB17, Gui17, Gut92, Har09b, HPS+19, HM13, HMMG18, HMSBR19, HK99, Hoy07, HBB21, IWF+15, IAP19, JN15, Jan09b, JGF20, JMRW22, KHL08, KPH10, KZ94, Kle12, KOMH22, KR09, KR11, LK16, Lee17, LLW07, Ler14, Lev22, LSC20, LS20, LYHC18, Lou18, LK14b, LK18, MvdKM13, Mah21a, Mah21b, Mah93, MM11, MPdP17, McQ86, MPZ16, MLK16a, MLK16b, MN95, NHO22, Nol12, OK13, Osl12, PSH+18, PPPP14, PA14, PXTW17, PB09, PR08, RL00, RNL12, SMFL19, SG14, Scha71, SGB21, SGTK14, SZP10, Shr10, SS91, SS93a, Sim94, Son16, Tch11, Tha10, Tho84, TB22, TH13, TG89, VC19, Var76, Was15, WL90, Wil21, XA20, YHL+15, YSL22, YST12, Yan11, YM16, ZZ11, ZB19, ZZ08, dVSKvO18].

teacher [[IDlzN21, vdKG22]. Teacher-centredness [Wal10].

teacher-education [Ell13]. Teacher-student [HMT13, LK16]. Teachers
[Ano04d, DS06, Gra99, HS13b, Kry69a, LH22b, LG13, kSL13, Men07, Moy01, Nic02, NC06, Pre06, Sko04, Tsa99, Wat00, Wat05, XM17, Ale81, ABOM20, Ban11, BKK22, BH94, Bon14, BSF96, Bro08b, CDW14, CW14a, Cla12, CSS+14, CG21, Cor17, DS02, Del69b, Del69a, DH20, Dra14, EK10, FE09, FJ95, Fra96, Fre69e, Gal11, Gal82, Gen70, Gli91, Gli68, GT09, HG90, HRZ98, HSM22, HHDG16, HMA13, How75, Jan09b, KBK+17a, KBK+17b, KL82, KL20, KH07, KZ16, KN21, MS20, MHH90, Mur93, Mur95, Nol16, O'B77, PRR08, PGM13, Phel10, Rel96, Rie13, SB97, Son13, SKN21, TS18, Tie00, TDEM13, VD79, WK97, YK20, ZB19, dF04, dF12, dVSKvO18].
teachers- [YK20]. Teaching
[AP07, ACJO04, Als02, Ano74b, Ano98i, Ass05, Bag73, BP22, Blo03, BBL22, Cas08, CWL07, Cha97, Chr00, Cla02, Cli17, DS06, Doe06, EH05a, EH05b, GP01, HPG05, HB70, Hb00, Jaw02, Jaw03, KB07, Kle02, LPG05, Ler01, Mac21, MMDB05, MR17, NBE+12, PBY03, PM13, PM97, SLP+12, Šed69, Se98, SG14, SBT11, Ste05, TB22, TER98, Tih99, Tsa99, Tsa02, Uh02, Uh10, Ves76, VM78, WD05, Wit84, Abt22, Adl19, AV08, All85, AH00, ARHS14, Ano88a, Ano68c, AV76, BS12, Bat13, Beh68, Bel93b, Bel93c, BC92, BS00, BN77, BR78, Bur80a, Bur02a, Bur80b, Cas77, CJ75, Cha18, CW14a, CP08, CW19, CG21, DVF18, DB86b, DMHR21, DS21, ID95, DRR92, DTD21, DBL22, EVR16, Ehl03, Eng68, En98, Eve90, EK10]. teaching
[FvM97, Fe97, FG84, Fe71, FBA10, For69, Fre74b, Fre93, FSY22, FC12, FCN14, FM14, GP90, Gan92, GBMB70, GMNB18, GF13, GSW22, Gii87, GB13, GSH16a, GSH16b, Hah75, Han10, HOE89, HSM22, HMG19, HMG20, Hof77, HK99, HBB21, Hug74, Ior17, Isa87, Jak71, JP09, Jon16, Jou13, Kla68, KZH+19, Kry69b, bL00, Law00, Lib77, LLL21, Lun77, MCKF19, MM22, Mar09, Mas69, Mat03, MLL19, MG12, Mog17, Moo13, MRSP14, NCMO15, Orr17, Os12, Pas78, PXTW17, Pim90, Pol68, PY22, PPSZ19, Pro69, RSS11, RL00, Rel96, RK17, Rev68, RMAGMR22, Rog71, Roo19, Rou68, Roy08,
Roy81, RH02, RNM12, Sar02, SGC22, Sch71, Šed76, Sek21, Shv22, Siw73, SHAC01, Ste91, Ste97, SK69, Sto71, SPS17, Str03. teaching [Sut93, TN16, TK14, Tch11, TSV82, Tho84, Tri95, Ush74, VRP+12, Van76, Vil71, Vin75, Vol69, Vol76, WAI70, WBM+14, Wal73b, Wal17, Wal76, WqWLR18, WH15a, WH15b, WL90, Witt69, Witt81, YST22, ZZ11, Han12a, JC22, Pis68].

Teaching/learning [Cla02]. Teaching [Han12c]. tech [KO21]. tech-related [KO21]. tech-teaching [Sut93, TN16, TK14, Tch11, TSV82, Tho84, Tri95, Ush74, VRP+12, Van76, Vil71, Vin75, Vol69, Vol76, WAI70, WBM+14, Wal73b, Wal17, Wal76, WqWLR18, WH15a, WH15b, WL90, Witt69, Witt81, YST22, ZZ11, Han12a, JC22, Pis68].

Teaching/learning [Cla02]. Teaching [Han12c]. tech [KO21]. tech-related [KO21]. tech-teaching [Sut93, TN16, TK14, Tch11, TSV82, Tho84, Tri95, Ush74, VRP+12, Van76, Vil71, Vin75, Vol69, Vol76, WAI70, WBM+14, Wal73b, Wal17, Wal76, WqWLR18, WH15a, WH15b, WL90, Witt69, Witt81, YST22, ZZ11, Han12a, JC22, Pis68].

Teaching/learning [Cla02]. Teaching [Han12c]. tech [KO21]. tech-related [KO21]. tech-teaching [Sut93, TN16, TK14, Tch11, TSV82, Tho84, Tri95, Ush74, VRP+12, Van76, Vil71, Vin75, Vol69, Vol76, WAI70, WBM+14, Wal73b, Wal17, Wal76, WqWLR18, WH15a, WH15b, WL90, Witt69, Witt81, YST22, ZZ11, Han12a, JC22, Pis68].

Teaching/learning [Cla02]. Teaching [Han12c]. tech [KO21]. tech-related [KO21]. tech-teaching [Sut93, TN16, TK14, Tch11, TSV82, Tho84, Tri95, Ush74, VRP+12, Van76, Vil71, Vin75, Vol69, Vol76, WAI70, WBM+14, Wal73b, Wal17, Wal76, WqWLR18, WH15a, WH15b, WL90, Witt69, Witt81, YST22, ZZ11, Han12a, JC22, Pis68].
Theorizing [Dom19, MLL19, dFS12]. Theory [Bag06, BSW16, DDLZ97, GD17, HPG05, Nar00, Spe05, Tsa02, Web18a, Web18b, Bas17, Boa02, BMP20, BW12, BTvG+17, Bur96, BB03, DDLZ94, Eng03, ES03, Fis93, HEWJ+15, Hie88, Ho81, JP09, Kap76, Kap77, Kei82, KN21, Lan13, LLW07, LYHC18, Mai85, McQ86, MEH20, Mon72, Moo20, MAPHB21, Mor14a, Nim75, Nol12, Nun96, PV14, Pro13, Rot12, Shv22, SB12, Str84, Str85, Sut93, TR11, VA18, Ves76, WB11, WW11, WH15a, WH15b, Wil09, Zaz99, Tab22].

theory-based [LLW07]. theory-building [Bas17]. Therapy [Wil97].

these [Sfa01, ST08]. these [MDPW96]. thesis [Dar82, Sch83]. things [Bor21].

think [Bye15, ZG01]. Thinking [Bye15].

Thinking-Aloud [ZS07]. thinking-based [KC22]. thinking-language [OSR71]. Third [Gre17, OMB20, SLW98, BR78, CBS12, CKS12, Une74, El86, GCG+92, VD78, VD79, VBE21, RD92, Ano14b]. third-grade [CBS12, CKS12, VD79, VBE21]. Third-grader [OMB20]. Thirteenth [GL00]. Those [Cd04, Bat13, HH11]. thou [Fie87]. Thought [Alb00, Vin97, Car93, For00, GE98, LLD14, MS09, Sla98, Van76]. Thoughts [Fref93, PF11, Str84, Str85]. thread [Sur77]. Three [BT04, Coo92, FSP16, Hem10, II05, Mit80, Ne76, O876, S898, Se801, Van93a, BJS88, Bye15, Csi16, Jou13, KDF08, KDM21, PXTW17, ASA20, VMN11, Yn19, ZG01, DEB97].

Three-digit [Se801, Csi16]. Three-dimensional [Coo92, Mit80]. three-tier [Yn19]. tier [Yn19]. tiles [CO10]. Tiling [De94]. Time [Ass05, Beg71, WW02, CWSW21, HHL22, JMRW22, K18, Mac21, SRP21, VV13]. Timed [WW02]. Times [Zev04, AT21, KLE02]. TIMSS [RD92, ARHS14, DT08, LEO5, Mac00]. TIMSS-R [DT08]. Time [Fur19].


Tony [PR08, dF12]. Too [As02]. tool [Car10, DDB+10, H079, KL14, RC15, Rob12, SSA20]. toolkit [CWH19]. Tools [PNH98, Cha98, DC17, FML07, GFWL11, HS99, Kor03, bL00, PE09, PA14, RH02, TP10]. topic [Sun11, Tab22, Wal76]. topics [Güç16].

topological [Dar82, PAP97, Sch83]. Topology [Hil71, Kel71, Kap74, Wal73b]. topos [RFK07]. Toruń [Ano74c]. totally [TE14]. touchant [De69a]. Touching [NPH99]. toujours [Gla76b].

MD01, MN95, Mor14b, OPC^+98, Sha98, SJS12, SS93b, Si00, TY04, Tir99, Wat07, WW11, Zaz98, Ang89, BHHS09, BJS2, BML21, BIBS^+19, BMP20, BE85, CRPPR16, Cla12, CR09, CG21, Cra12, DC92, DR13, EH20, Eke77, FPS16, Fra13, FSY22, GFWL11, GT00, HS13a, HS14, HMA13, Jou13, KPH10, Kc12, Law00, LCD90, Lin88, Lle12, MS97, MT15, MPG12, McC14, MFJ17, MAPHB21, Ort83a, Ort83b, PXTW17, PS88, PK94, Pla18, PLW81, Roh08, Roh10, RT14, Sa03, SMFL19, Sle82, SSF04, Tho94b, Tzu07, Vol77, WAL18, WJW11, Zah15, Zep82]. **Understandings** [CPP07, ZC06, Gol03, HBZE98, HK02, VYZ21, YTD11]. unexpected [SBDM69]. unfamiliar [RL04]. Unfettering [MFG22]. unidirectional [JM18]. unified [ZER17]. unifying [ID95]. union [DeB97]. Unit [Bus05, CBSS96, CS94, Ern16b, MLK16a, MLK16b]. United [FSY22, Law00, MNRR95, YC95]. units [Lee17, WR96, WMN22, Wit84]. unity [FG17]. universal [Add93, CGGGG79a]. Universals [Add93]. universelle [CGGGG79a]. Universitaires [TLM07]. universities [Cd04, El 69, Ham68]. University [Ano98i, Ano16b, Ano16c, GBR05, How75, Jaw02, Ka93, Ka94, MAPHB21, Sfa15, TO13, bMYT98, B01, GS76, GB14, G84a, G84b, HYC^+97, IM19, JMRW22, Jin07, Lit03, MK91, Mun95, Mun95, Nar16, Prz04, SLW83, TLM07, VCS95, dPH13, IRA16]. unknown [LH96, Vla02]. unknowns [HL16]. Unpacking [Lle12, SBA22, SS95, Was15, GBC12]. unravel [dSBM21]. Unraveling [DV20]. Unravelling [Hop85]. unsuccessful [FM09]. Unterricht [Beh68]. upon [SD95]. Upper [Car18, Eng71, FT03, KPH10, VR90]. upper-secondary [FT03]. uptake [Kle12]. USA [Ala12, SS10, VS13]. Usage [Rut05, WNO4, Abe78, Dem93, Gla68]. usages [Tro04]. Use [Cla07, Da04, Jan81, LH22b, Mor00, Mos04, Mory04, NC06, Wat05, Wi12, AI08, Art97, Ber04, BLP10, BJ13, CN16, CB17b, DF15, DIW19, DV192, DS17, Dra14, Eng68, FKC17, Fro99, Gal19, Gal86, Gla68, GKI1, Gue19, GB01, GSH16a, GSH16b, Gut07, HS13b, JM18, Kle71, LLW07, Lev10, LYHC18, MWS57, McQ86, Mos98, Or11, Pai13, PG20, PvdHPR12, PDT^+12, Pic71, PB09, PN08, RRP91, Row08, Rut90, RH02, SL19, SRP21, TPHS07, TDGV09, Van03b, VBE21, VO17, Wal68, Wil16a, Yan12, YE16, ZC22, dV18, Dem93, CB17a]. use-value [Pai13]. Used [FB02, CK15, Dem97, Hah75, KPH10, PM16]. useful [Als02, Bic91, Fre68, Kla68, Ser68]. uselessness [Van69a]. uses [Ger88b, Tro04]. Using [BLP^+14, CPP09, CVN21, Doe06, Dom11, GP90, HTM18, Isa87, Jon00, Jou13, LW99, MM11, Mog17, MWVE09, Mos07, PGE09, RDH09, TJ94, Ves73a, Ves73b, WOS8, XM17, Bal80, BC92, BH95, BH94, Boa02, BDS^+17, Bur80b, Cas69a, CM92, CSK12, DV20, DT08, FT03, Hah14, Han10, JB21, Jan09a, Jan10, JP09, JGR14, KML22, KB20, KB11, KL14, LC15, Loc11, MMC22, Mar86, MLL19, MPZ16, MHH90, MRC18, Nar16, PPG95, QM94, SMSW13a, SMSW13b, Sta89, TN15, TTA08]. utile [Ser68]. utiliser [Cas69a]. utilisation [Art97, BC92]. utility [LS20]. utilizing [Moo20]. Utrecht [Fre78b].
V [GB19, Ott76]. vague [GG22a]. validating [And09, Czo18]. validation [Bal87]. validité [Fre82]. Validity [Fre82, Kno77, Sho21, WBM+14]. value [AI12, CVN21, GB01, Kno77, LS20, MB16, Pai13, SLP+12, SBP11, TP14, Wil12, YC95]. Values [DW17, SSS8, Han02, Lev22, Mac00]. Vanpaemel [Bja20a, Bja20b]. Varga [Kry88a]. variability [AG22a]. variable [Bal87]. variables [DG89, GT00, HGM15, Jan74, JM74, Jur77, Kae90, Kei82, Lep90, MPG12, MAPHB21, SLS74, SGCA18, TF95, Wil16a, Win03]. variance [Tru15]. Variation [Sun11, EEST20, JM18, NPH99, Sch92, SLAY19, WK04]. variational [Tru15]. virtual [Sun11, EEST20, JM18, NPH99, Sch92, SLAY19, WK04]. virtuality [Fre69c].
REFERENCES

XXI [Col21, VPR21]. XXth [Ano78d].

Yackel [HJ12]. Yasukawa [GB19]. Year
[De 94, Eva07, FB02, SS93b, BJ88, BZ01, Dem93, Dem97, DB86a, DB86b, Kie01, LH18, Mat83, Rou68, Tru15, VVV22, WC08, WK04, Wca90, Wri94]. Year-olds [SS93b]. Years [IE07, VL04, Ano00h, AV76, Bic82, Bui76, How84, Kru13a, PSS+19, Sfa13, Tak18, Urb93, Wal12]. Yeping [Hes13]. Yew
[VK20]. Yiping [Cor22]. Young [Bro06, CN00, Eng91, Han19, Hew12, JS99, Mak14, Mon01, Tho94a, VS79, Zev11, APS22, Ang89, BTV19, Bui80b, Cob87, CSK12, DCHM19, FFL80, JLM97, KLBK+13, MS14, Obi19, Sto22, SVLO20, TTL+13, Tur80, VO17, Yone12, VGJ19, vO13]. younger [Fie79]. Yvette [Bro11].


Zhang [Siu93]. Zilina [Ano72b]. Zofia [Now92]. zones [GGR02, HMT13].

Zooming [KK10]. ZPD [AGL17]. zum [Dam87, Wal76]. zur [JSV75].

References

Adam:2003:CRC


Ayala-Altamirano:2021:FGJ


Albano:2021:TMA

REFERENCES


**Artzt:1999:CME**


**Abele:1978:UGS**


**Adler:2005:REF**


**Arsac:1992:TRR**


**Arnal-Bailera:2020:PSM**

REFERENCES


Aguilar:2021:WMC


Ahmed:2004:HCT


Artigue:1988:BR


Adda:1972:QEP


Adda:1975:LMM

Adda:1976:DLP

Adda:1982:LCP

Adda:1987:GE

Adda:1993:LSE

Adetula:1990:LFD

Adedayo:1998:DEG
REFERENCES


REFERENCES


Assude:2002:DAN


Albarracin:2014:DPS


Abu-Ghalyoun:2021:PST


Abtahi:2017:CMK


Ainley:2015:LRS

Avital:1976:MIC

Austin:1979:LME

Andrews:2000:CHE

Arcavi:2007:LLH

Alcock:2008:DSU

Almog:2012:AVI
Nava Almog and Bat-Sheva Ilany. Absolute value inequalities: high school students’ solutions and misconceptions. *Ed-
REFERENCES


REFERENCES


Alsina:2002:TME

Arsac:1997:SIA

Artigue:2014:NTF

Andrade-Molina:2020:BQM

Anderson:1979:OTE

Anderson:1989:SRD
Johnston Anderson. Sex-related differences on objective tests among undergraduates. *Educational Studies in Mathematics,
Andrews:2009:CSM


Anghileri:1989:IYC


Anonymous:1968:FRT


Anonymous:1968:PD


Anonymous:1968:PTM

REFERENCES


REFERENCES

Anonymous:1972:XIO


Anonymous:1974:CRM


Anonymous:1974:ISR


Anonymous:1974:XIOa


Anonymous:1974:XIOb


Anonymous:1975:A


Anonymous: 1976:P

References


REFERENCES

Anonymous:1978:FPF


Anonymous:1978:T


Anonymous:1978:XIM


Anonymous:1980:Aa


Anonymous:1980:Ab


Anonymous:1980:N

REFERENCES


Anonymous:1983:Ac


Anonymous:1983:Ad


Anonymous:1984:Ab


Anonymous:1984:Aa


Anonymous:1984:CSS


Anonymous:1984:PA


Anonymous:1985:Aa

REFERENCES

Anonymous:1985:Ab


Anonymous:1985:EA


Anonymous:1986:Aa


Anonymous:1986:Ab


Anonymous:1986:Ac


Anonymous:1986:GE


Anonymous:1987:Ab

Anonymous:1987:Ac

Anonymous:1987:Aa

Anonymous:1988:Aa

Anonymous:1988:Ab

Anonymous:1988:CP

Anonymous:1988:E

Anonymous:1988:MEH
REFERENCES


Anonymous:1988:PAa


Anonymous:1988:PAb


Anonymous:1989:BR


Anonymous:1989:PN


Anonymous:1990:Aa


Anonymous:1990:Ab


Anonymous:1990:CP

Anonymous:1990:MHF


Anonymous:1991:Aa


Anonymous:1991:Ab


Anonymous:1991:SIC


Anonymous:1992:Ab


Anonymous:1992:Ac

Anonymous:1992:Aa


Anonymous:1992:CP


Anonymous:1992:PN


Anonymous:1993:A


Anonymous:1993:CP


Anonymous:1994:Aa


Anonymous:1994:Ab

Anonymous:1994:Ac


Anonymous:1994:Ad


Anonymous:1994:CP


Anonymous:1995:Aa


Anonymous:1995:Ab


Anonymous:1995:Ac


Anonymous:1995:E

REFERENCES


REFERENCES

Anonymous:1998:AEF


Anonymous:1998:BRa


Anonymous:1998:BRb


Anonymous:1998:CP


Anonymous:1998:C


Anonymous:1998:Ea

REFERENCES


REFERENCES

Anonymous:2000:VCb


Anonymous:2001:CV


Anonymous:2001:IAa


Anonymous:2001:IAb


Anonymous:2001:IAc


Anonymous:2001:IAd

Anonymous:2001:VC


Anonymous:2002:APA


Anonymous:2002:CV


Anonymous:2002:RES


Anonymous:2002:TIAa


Anonymous:2002:TIAb

REFERENCES


Anonymous:2003:TIAb


Anonymous:2003:VCa


Anonymous:2003:VCb


Anonymous:2003:VCc


Anonymous:2004:APAa


Anonymous:2004:APAb

Anonymous:2004:AIC


Anonymous:2004:DDF


Anonymous:2004:IA


Anonymous:2004:TIAa


Anonymous:2004:TIAb


Anonymous:2004:VC

REFERENCES


REFERENCES


Anonymous:2016:CP


Anonymous:2016:FKM


Anonymous:2016:HFM


Anonymous:2019:A


Anthony:1996:ALC


Agterberg:2022:SSR

REFERENCES

Anxolabéhere:1975:AMM

Aunley:2001:ISI

Adjage:2007:ETR

Ainley:2001:NCA

Arzarello:2009:GSR
Andrews:2022:MCR

Artigue:1982:NEE

Alajmi:2007:RRA

Arcavi:2003:RVR

Andrews:2014:PTF
REFERENCES


REFERENCES


[AS05] Lara Alcock and Adrian Simpson. Convergence of sequences and series 2: Interactions between nonvisual reasoning and the

[Arzarello:2011:STC]


[Alcock:2017:IBD]


[Asghari:2009:EEO]


[Aspinwall:1997:UMI]


[Assude:2005:TMW]

REFERENCES

112

Allen:2021:ASD


Apkarian:2019:SSB


Audibert:1983:PRP


Austin:1981:B


Artigue:1976:QRE

REFERENCES


REFERENCES


REFERENCES


Balk:1971:AHM


Balacheff:1980:EAG


Balacheff:1987:PPS


Baldy:1988:EDD


Balacheff:1990:IR1

REFERENCES


REFERENCES


Bass:2017:DOL


Battey:2013:GMT


Bauersfeld:1980:HDC


Bauersfeld:1992:CCS


Bazzini:1988:NGP


Bazzini:1990:ISM

REFERENCES


REFERENCES


REFERENCES

Brown:2012:DDA

Bakker:2019:BSM

Ben-Chaim:1990:CTP

Ben-Chaim:1998:PRA

Ben-Chaim:1989:AAC
REFERENCES


**Byers:1984:CFM**


**Byers:1985:MMU**


**Ball:2003:P**


**Beck:1977:AWA**


**Becker:1980:MOP**

Becker:1986:BR

Beckers:2019:WPM

Begle:1969:RRI

Begle:1971:TDI

Behnke:1968:WAS

Bekdemir:2010:PST
Mehmet Bekdemir. The pre-service teachers’ mathematics anxiety related to depth of negative experiences in mathematics classroom while they were students. *Educational Studies in
REFERENCES


REFERENCES

Bergeron:1994:MNH

Berger:2004:FUM

Berge:2006:CNS

Berge:2008:CPS

Berger:2019:DRS

Beswick:2007:TBM
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Bishop:1980:SAM


Bishop:1985:ES


Bishop:1988:Ea


Bishop:1988:Eb


Bishop:1988:MEC


Bishop:1989:E


REFERENCES


REFERENCES

Baroody:2022:DA


Blakers:1978:CME


Blane:1985:LSC


Bicer:2020:CMC


Bloch:2003:TFG


Boesen:2010:RBT

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Brantlinger:2011:RCM


Brandt:2013:EPP


Brantlinger:2014:CMD


Brenner:1998:MM


Bagger:2020:DIS


Breive:2022:AEE

Svanhild Breive. Abstraction and embodiment: exploring the process of grasping a general. *Educational Studies in Mathe-
REFERENCES


REFERENCES


Brown:2010:DIG


Brown:2010:TRK


Brodie:2011:BRM


Brown:2012:SCA


Brodie:2014:LAL


[Brown:2016:RBL]


[Bender:1980:POC]


[Bromme:1994:IDS]


[Banerjee:2012:ETA]
<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Title and Details</th>
</tr>
</thead>
</table>
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Byers:2015:HHL

Benbachir:2001:PEC

Ben-Zvi:2001:JHS

Ben-Zvi:2015:LRS

Çakir:2020:ESM
REFERENCES


Carlsen:2018:USS


Castelnuovo:1969:DRU


Castelnuovo:1969:TAC


Castelnuovo:1969:LCA


Castelnuovo:1977:LMF


[Corriv:2017:EST] Claudia Corriveau and Nadine Bednarz. Erratum to: The secondary–tertiary transition viewed as a change in mathe-
REFERENCES


Douglas H. Clements, Michael T. Battista, Julie Sarama, and Sudha Swaminathan. Development of turn and turn measure-


REFERENCES

Copur-Gencturk:2021:TCU


Copur-Gencturk:2021:SCM


Castelnuovo:1974:GFE


Castelnuovo:1979:CGU


Castelnuovo:1979:LPF

REFERENCES


REFERENCES


[CHM16] Jinfai Cai, Stephen Hwang, and John C. Moyer. Mathematical problem posing as a measure of curricular effect on students’


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Sylvie Coppé. Composantes privées et publiques du travail de l’Élève en situation de devoir surveillé de mathématiques.

**Corriveau:2017:STC**


**Corven:2022:BRF**


**Coxeter:1971:IG**


**Charalambous:2010:TCE**

REFERENCES

Charalambous:2008:TDP


Charalambous:2007:DTM


Charalambous:2009:UHM


Chimoni:2018:EEA


Chrysostomou:2013:ENS

REFERENCES


REFERENCES


REFERENCES


REFERENCES

Chow:2016:TSC


Chval:2021:ULS


Cobb:1996:MCL


Chan:2014:WRB


Coben:2014:MMD

**REFERENCES**


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

DeLange:1993:BEB


DeBlock-Docq:1994:MPM


DeBlois:1997:TED


Deblois:2006:IIP


Dekker:1987:RJT

REFERENCES


REFERENCES


Davis:2015:AFC


deFreitas:2016:MEM


deFreitas:2012:DGA


deFreitas:2013:NMO


Dupuis:1989:GRE

REFERENCES


[DH97] Randall P. Dahlberg and David L. Housman. Facilitating learning events through example generation. Educational Studies in
REFERENCES


REFERENCES


REFERENCES


[DLK14] Higinio Domínguez, Carlos A. López Leiva, and Lena Licón Khisty. Relational engagement: Proportional reasoning with


REFERENCES


REFERENCES


[DP77] R. Duval and F. Pluvinage. Démarches individuelles de réponse en mathématique. (French) [Individual responses in mathemat-
REFERENCES

Davis:1992:MPS


Dapueto:1999:COC


Douady:1989:PAD


daPonte:2013:PPB


daPonte:2016:TPP

REFERENCES


REFERENCES

199


REFERENCES


David:2012:RVR


Drijvers:2021:DMT


Dubois:1984:SCC


Dumont:1982:LDD


Duval:1983:LDD

REFERENCES

[Duv91] Raymond Duval. Structure du raisonnement déductif et appren-
tissage de la démonstration. (French) [Structure of deductive
reasoning and learning of demonstration]. Educational Stud-
ies in Mathematics, 22(3):233–261, June 1991. CODEN EDS-
MAN. ISSN 0013-1954 (print), 1573-0816 (electronic). URL
http://link.springer.com/accesspage/article/10.1007/
BF00368340.

[Duv06] Raymond Duval. A cognitive analysis of problems of compre-
hension in a learning of mathematics. Educational Studies in
Mathematics, 61(1–2):103–131, February 2006. CODEN EDS-
MAN. ISSN 0013-1954 (print), 1573-0816 (electronic). URL
http://link.springer.com/accesspage/article/10.1007/
s10649-006-0400-z.

dV18] Thomas de Vittori. Analyzing the use of history in mathemat-
ics education: issues and challenges around Balacheff’s cK/c
model. Educational Studies in Mathematics, 99(2):125–136, Oc-
tober 2018. CODEN EDSMAN. ISSN 0013-1954 (print), 1573-

[DVC19] Lisa Darragh and Luz Valoyes-Chávez. Blurred lines: produc-
ing the mathematics student through discourses of special edu-
cational needs in the context of reform mathematics in Chile.
CODEN EDSMAN. ISSN 0013-1954 (print), 1573-0816 (elec-
s10649-018-9875-7.

[DVF18] Isabelle Demonty, Joëlle Vlassis, and Annick Fagnant. Alge-
braic thinking, pattern activities and knowledge for teaching
at the transition between primary and secondary school. Edu-
CODEN EDSMAN. ISSN 0013-1954 (print), 1573-0816 (elec-
s10649-018-9820-9.
REFERENCES

DeBock:1998:PLM


DeBock:2002:IUL


deVetten:2018:DIS


Depaepe:2018:SPS


Degrande:2020:AMO

REFERENCES

Walsh:2014:ZFP


REFERENCES


REFERENCES


REFERENCES


Ellerton:1986:CMM


Ellerton:2013:EPS


Ellerton:2018:BRN


Ely:2010:BRT


Evans:2006:DPE

Ekenstam:1979:NAA


Engel:1968:SUA


Engel:1969:RMF


Engel:1971:GAI


Engel:1975:PA


Engel:1976:WDP

REFERENCES


Erath:2018:DCI


Ernest:1984:CME


Ernest:1984:MIP


Ernest:1985:NLT


Ernest:1986:CGP

Ernest:1999:FKM


Ernest:2006:SPM


Ernest:2016:PCM


Ernest:2016:UAM


Ernest:2019:HCW


English:1996:ARD

REFERENCES


REFERENCES


Fried:2003:SRM


Fauskanger:2015:CMT


Fischbein:1998:MCS


Foxman:2002:MCM


Foote:2011:PEM


Frejd:2016:MMP


FitzSimons:2017:WMD


Font:2010:MMC


Fischbein:1971:IPI


Font:2008:PPR

REFERENCES


REFERENCES


REFERENCES

Freiman:2021:CGM

Falk:1980:PLP

Fischbein:1984:DTP

Fischbein:1997:SIC

Fiallo:2017:ACU

Fortuny:1994:IAM
REFERENCES

in Mathematics, 27(4):401–412, December 1994. CODEN EDS-
MAN. ISSN 0013-1954 (print), 1573-0816 (electronic). URL
http://link.springer.com/accesspage/article/10.1007/
BF01273380.

Font:2013:EOM

[FGG13] Vicenç Font, Juan D. Godino, and Jesús Gallardo. The emer-
gence of objects from mathematical practices. Educational Studies in Mathematics, 82(1):97–124, January 2013. CODEN EDS-
MAN. ISSN 0013-1954 (print), 1573-0816 (electronic). URL
http://link.springer.com/accesspage/article/10.1007/
s10649-012-9411-0.

Fletcher:1988:BR

MAN. ISSN 0013-1954 (print), 1573-0816 (electronic). URL
http://link.springer.com/accesspage/article/10.1007/
BF00751236.

Fischbein:1990:BR

MAN. ISSN 0013-1954 (print), 1573-0816 (electronic). URL
http://link.springer.com/accesspage/article/10.1007/
BF00398866.

Foster:2017:TAA

[FI17] Colin Foster and Matthew Inglis. Teachers’ appraisals of ad-
jectives relating to mathematics tasks. Educational Studies in Mathematics, 95(3):283–301, July 2017. CODEN EDS-
MAN. ISSN 0013-1954 (print), 1573-0816 (electronic). URL
http://link.springer.com/content/pdf/10.1007/s10649-
017-9750-y.pdf.

Fidelman:1985:HBS

1985. CODEN EDSMAN. ISSN 0013-1954 (print), 1573-0816
article/10.1007/BF00354883.
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Freudenthal:1978:CMEb

Freudenthal:1979:RS

Freudenthal:1979:WRE

Freudenthal:1981:MPM

Freudenthal:1982:FVP

Freudenthal:1993:TTM
REFERENCES


REFERENCES


[Fischbein:1979:II]


[Fischbein:1981:IPM]


[Furinghetti:2007:TET]


[Furinghetti:2019:BRL]

REFERENCES


REFERENCES


Gal:2011:APT


Gal:2019:WUC


Ganguli:1992:ESA


Gates:2006:GBB


Gauthier:1969:EIE


Greer:1988:BR


REFERENCES


REFERENCES


REFERENCES

Gravemeijer:1999:CPR

Gabel:2017:AFP

Gorgorio:2009:SRM

Goodson-Espy:1998:RRR

Gellert:1998:PET

Gellert:2004:DMC
Uwe Gellert. Didactic material confronted with the concept of mathematical literacy. *Educational Studies in Math-
REFERENCES

Gellert:2008:RCO

Genzwein:1970:SOF

Gerdes:1981:CME

Gerdes:1984:FMO

Gerdes:1988:CGT
Gerdes:1988:PUT


Geraniou:2010:TSP


Goodchild:2013:CAI


Godino:2011:WLE


Goos:1996:DIW

Gal:2022:WEV  

Gotz:2022:RGS  

Geiger:2022:DTD  

Goos:2002:SMM  

Galbraith:1998:DNA  


REFERENCES


REFERENCES


[GMBN18] Alejandro S. González-Martin, Elena Nardi, and Irene Biza. From resource to document: scaffolding content and organising student learning in teachers’ documentation work on the


REFERENCES


REFERENCES


REFERENCES


Greer:2012:IMT


Greer:2017:RTA

Greer:2017:RTA


Griths:1968:PMT


Griffiths:1971:MIM

Griffiths:1971:MIM


Griffiths:1978:SCM

Griffiths:1978:SCM

Griffiths:1983:SCM


Griffiths:1987:THA


Griffiths:2013:IFT


Grossel:1977:RDO


Goldberg:1972:CAI


Goldberg:1976:CAI

Adele Goldberg and Patrick Suppes. Computer-assisted instruction in elementary logic at the university level. *Educational Stud-
REFERENCES


REFERENCES


Gunnarsson:2016:EDI


Greefrath:2022:PSS


Graeb:1990:IFF


Gras:1995:CEN


Graham:2000:BVU

Alan T. Graham and Michael O. J. Thomas. Building a versatile understanding of algebraic variables with a graphic calcula-
REFERENCES


**Gueudet:2009:TND**


**Gucler:2013:EDL**


**Gucler:2016:MIM**


**Gueudet:2008:IST**


**Gueudet:2019:BRC**


Hadar:1977:CCR


Hadar:1978:CCRb


Hahn:1975:MSG


Hahn:1999:PPC


Hahn:2014:LAK


REFERENCES

Hannula:2002:ATM

Hannula:2006:MMG

Hanna:2007:BR

Hansson:2010:IRM

Hand:2012:BRA

Hand:2012:SCP
Victoria Hand. Seeing culture and power in mathematical learning: toward a model of equitable instruction. *Educational Stud-
Handa:2012:TRR


Hansson:2012:MMI


Hannula:2019:YLM


Hankeln:2020:MMG


Hartnett:1973:CPA

REFERENCES

Harkin:1974:TTG

Harkin:1975:IG

Hart:1981:HME

Harper:1987:GD

Hardy:2009:SPI

Harkness:2009:SCB
REFERENCES

(Haastad:1968:ME)


(Hasemann:1981:DF)


(Hasegawa:1997:CFT)


(Haylock:1987:FAM)


(Hazzan:1999:RAL)


(Hirst:1969:UPM)


REFERENCES

Hativa:1995:SLN

Hong:2014:CKA

Harkness:2007:PET

Head:1981:PLM

Hedren:1985:HHC
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Hackenberg:2016:SDR


Hasemann:1995:CMR


Heyd-Metzuyanim:2013:CCL


Hegedus:2011:EMS


Hossain:2013:TUM

REFERENCES

Heyd-Metzuyanim:2016:BPP


Heyd-Metzuyanim:2019:REM


Heyd-Metzuyanim:2020:CRE


Heyd-Metzuyanim:2018:CFC


Heyd-Metzuyanim:2020:APD

REFERENCES


REFERENCES


Hollinger:1969:IGF


Holden:1973:MD


Holcombe:1981:RAM


Hope:1985:UME


Hart:2013:JIS


Howson:1973:CGRa

A. G. Howson. Charles Godfrey (1873–1924) and the reform of mathematical education. Educational Studies in Mathematics,
REFERENCES


Hoyles:1985:WPG


Hoyles:2001:DDM


Hoyrup:2007:RMB


Hoz:1981:ERS


Housman:2003:PSL

REFERENCES


REFERENCES


REFERENCES

Halmos:1978:CME


Headrick:2020:EAP


Haeck:1997:DAM


Hazzan:2005:RAC


Ingram:2019:WSO

<table>
<thead>
<tr>
<th>Reference</th>
<th>Title</th>
<th>Authors</th>
<th>Pages</th>
<th>Journal</th>
<th>Year</th>
<th>URL</th>
</tr>
</thead>
</table>
Iannone:2011:DGE


Iannone:2019:GNU


Inglis:2007:MMA


Iori:2017:OSR


Iori:2018:TAS


Inglis:2008:CIA

Inglis:2009:CIA

Isaacs:1987:UPS

Iowo-Team:1977:EMG

Ing:2015:SPE

Jahnke:1983:TEE
REFERENCES


REFERENCES


[Jan10] Ue Thomas Jankvist.


[Jaw02] Barbara Jaworski.


[JB03] Barbara Jaworski.


[JC22] Chunlian Jiang and Jinfa Cai.


REFERENCES


REFERENCES


[Jon00] Keith Jones. Providing a foundation for deductive reasoning: Students’ interpretations when using dynamic geometry...


REFERENCES

301


REFERENCES


Klein:2010:MTK

Kalomitsines:1983:TMS

Kapur:1970:CAS

Kapadia:1974:CEP

Kapadia:1976:STL

Kapadia:1977:CDP
REFERENCES


REFERENCES


REFERENCES


Kjeldsen:2012:BMH


Kazunga:2020:AAS


Kullberg:2020:ELA


Kaiser:2017:EPC


Kaiser:2017:PCP

[Gabriele Kaiser, Sigrid Blömeke, Johannes König, Andreas Busse, Martina Döhrmann, and Jessica Hoth. Professional


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Klein:2002:TMN


Klein:2012:HIA


Knapp:2017:WAF


Kaiser-Messmer:1993:RES


Kelton:2018:RMS


REFERENCES


Kollosche:2018:SFM
REFERENCES


Kollosche:2021:SRM


Komatsu:2016:FPR


Komatsu:2017:FEE


Koolooos:2022:MSS


Konior:1972:EDC

REFERENCES


[Kor03] M. Kordaki. The effect of tools of a computer microworld on students’ strategies regarding the concept of conservation of area.
Kaisari:2010:WDC


Kaasila:2010:FPS


Karplus:1983:EAP


Kaspersen:2017:MSS


Kaufman:1973:RP

REFERENCES


REFERENCES

Krummheuer:2013:RBD


Krummheuer:2013:RML


Krygowska:1968:PME


Krygowska:1969:PME


Krygowska:1969:TME

REFERENCES


REFERENCES


C. Laborde. Relations arithmétiques — aspect statique — aspect dynamique. (French) [Arithmetical relations — static as-


REFERENCES


Laurence:2016:BRP


Leung:2013:DID


Lannin:2007:HSV


Levenson:2022:EAA


Lean:1981:SA

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Lerman:2001:CDP


Lerman:2014:MEP


Lesh:1981:AMP


Leung:1987:SSM


Leung:1995:MCB


Leung:2001:SEA

REFERENCES


REFERENCES


REFERENCES


REFERENCES


[Leavy:2018:RPS]

[Lambert:2022:IAD]

[Leavy:2022:FPE]

[Lepola:2019:SFN]

[Leron:1995:LGI]
REFERENCES


Lithner:2003:SMR


Lithner:2008:RFC


Lee:2013:LML


Lagrange:2014:DTT


Lutovac:2014:PST

Lee:2016:PST


Lutovac:2018:ETN


Lu:2022:CSM


Linchevski:1999:SSR


Leung:2013:SGP

REFERENCES

Logan:2014:CTG


Llewellyn:2012:UUR


Llewellyn:2016:PPP


Lonnemann:2013:GDB


Lu:2021:TAI

Lloyd:2006:PTS


Leikin:2007:EMT


Liu:2020:RBD


Lange:2011:ASS


Lesh:2008:SND

REFERENCES


REFERENCES


[LS20] Michael Liebendörfer and Stanislaw Schukajlow. Quality matters: how reflecting on the utility value of mathematics affects...


Lunkenbein:1977:RTI


Lunkenbein:1982:BR


Lundin:2012:HSL


Lesh:1983:BR


Lee:1989:AC


Lo:1994:LON

Jane-Jane Lo and Grayson H. Wheatley. Learning opportunities and negotiating social norms in mathematics class discussion.
REFERENCES


REFERENCES


[Mac00] Donald Macnab. Raising standards in mathematics education: values, vision, and TIMSS. Educational Studies in Mathematics,
Maciejewski:2021:TMR

Mahdi:2021:BRD

Mahdi:2021:CBR

Moreno-Armella:2008:SDM
REFERENCES

Maines:1985:PNT


Makar:2014:YCE


Mallam:1993:IST


Malmivuori:2006:ASR


Moreno-Arotzena:2021:USU


Markouchevitch:1969:CPE

A. Markouchevitch. Certains problèmes de l’enseignement des mathématiques à l’école. (French) [Some problems of teaching

[Marcus:1972:CVF]


[Markovits:1986:CEU]


[Mariotti:2000:IPM]


[Martin:2013:DBE]


[Maslov:1969:DIC]

Matthews:1981:IS

Matthews:1983:SES

Matthews:2003:BOC

Maury:1985:IQE

Maschietto:2009:WAG
REFERENCES


REFERENCES


REFERENCES


Mamona-Downs:2001:LIB


Mamona-Downs:2004:RTP


Masingila:1996:MLP


Meaney:2013:WRM


Melhuish:2020:GTS

Menger:1971:GRM


Mendes:2007:NLB


Menghini:2020:BRD


Mesquita:1989:SED


Mesa:2004:CPA

Mevarech:1983:DSM


Meyer:2010:ALV


Mariotti:1997:DCA


Malaspina:2010:RIS


Markovits:2017:TML


Meaney:2022:UDA

REFERENCES


REFERENCES


[Minato:1983:SMA] Saburoh Minato. Some mathematical attitudinal data on eighth grade students in Japan measured by a semantic differen-
REFERENCES


REFERENCES

Maqsud:1991:RSS


Mevarech:1997:VDG


Morgan:2014:DAR


Moon:2020:DAM


Moore:2016:EPU

Moore:2016:PUP


McCloskey:2019:TMI


Molad:2020:IGM


Moskal:2000:MSW


Magajna:2003:AMT

Manizade:2011:UDM


Maffia:2020:ASG


Martin:2005:ITS


Maher:2022:ASS


Meletiou-Mavrotheris:2015:DSR

Mejias:2021:LSG


Moreira:1995:UT


McIntosh:1995:MCP


Mellin-Olsen:1981:IEC


Morony:1994:SIA


Monaghan:2006:AC

Mogari:2017:UCR


Monna:1972:ST


Monaghan:2000:WDD


Monaghan:2001:YPI


Moore:1994:MTF


Moore:2013:MSM

REFERENCES

Moon:2020:NA

Morgan:2000:BRL

Morgan:2006:WDS

Morgan:2007:WMN

Morgan:2014:STM
REFERENCES


Moschkovich:2007:UTL


Motte:1971:MAD


Moyer:2001:WHF


Mason:1984:GES


McLeay:1996:MMD


Martinez:2014:RBI

REFERENCES


Moore-Russo:2011:CSN

[135x681] REFERENCES

[0x0]372

Moore-Russo:2011:CSN

Mejia-Ramos:2012:AMP

Morton:1994:CST

Moutsios-Rentzos:2014:ORA

Mejia-Ramos:2014:WHM
MacGregor:1997:SUA


Mason:1999:BMK


Malisani:2009:ATA


McDonough:2014:SIY


Maciejewski:2019:JCM


Meyer:2020:WCG

[MS20] Michael Meyer and Susanne Schnell. What counts as a “good” argument in school?— how teachers grade students’

**Martinez-Sierra:2016:UMS**


**Martin:2015:GMU**


**Moll:2016:MOT**


**Mura:1993:IMH**


**Mura:1995:IMH**

Roberta Mura. Images of mathematics held by university teachers of mathematics education. *Educational Studies in Mathe-
REFERENCES


REFERENCES


REFERENCES

Nieminen:2022:WAD

Ngware:2015:QTM

Noss:1988:BR

Nunez:1999:ECG

Nesher:1976:TDD


REFERENCES


Noss:1997:CMM

Nesher:2003:SMT

Nagar:2022:HSM

Nicol:1998:LTM

Nicol:2002:WMP
REFERENCES

Nilsson:2007:DWW


Niman:1975:GTE


Nimier:1977:MAF


Niss:1999:ANS


Nesher:1977:SAA


Nardi:2017:CCC

REFERENCES


REFERENCES


REFERENCES


[NR10] Per Nilsson and Andreas Ryve. Focal event, contextualization, and effective communication in the mathematics class-


OBrien:1970:SNM


OBrien:1972:LTA


OBrien:1973:LTC


OBrien:1975:DFC


OBrien:1976:TIE


OBrien:1977:IPR


REFERENCES


REFERENCES


REFERENCES

(Part of the text is missing from the image.)


REFERENCES


REFERENCES


Philippou:1998:EPM


Pittalis:2010:TRG


Passolunghi:2019:RBC


Pea:1991:BR


Peters:2012:CUS

REFERENCES


[PFSS19] Susanne Prediger, Claudia Fischer, Christoph Selter, and Christian Schöber. Combining material- and community-based imple-

**Perrenet:1993:HAH**


**Papadopoulos:2020:EWR**


**Pantziara:2009:UDT**


**Park:2013:TPT**


**Paoletti:2022:CSC**

REFERENCES


REFERENCES


REFERENCES


REFERENCES

Proulx:2019:ESE


Ponte:1994:TSV


Pozzi:1998:TPM


Pollak:1968:SPT


Pollak:1969:HCW


Pollak:1976:WIW


Efi Paparistodemou, Despina Potari, and Demetra Pitta-Pantazi. Prospective teachers' attention on geometrical tasks.


Presmeg:2010:E


Presmeg:2011:E


Presmeg:2012:E


Presmeg:2013:Ea


Presmeg:2013:Eb


Presmeg:2016:CLR


Proia:1969:ETG

REFERENCES


REFERENCES


REFERENCES


REFERENCES

Presmeg:2003:LSL


Peltenburg:2012:SES


Pimm:2003:IME


Prediger:2022:ESB


Pepin:2017:DDU

REFERENCES


Radford:2000:SMS

Radford:2003:ELL

Radford:2006:AM

Radford:2009:WDG

Radford:2011:BRC
REFERENCES


REFERENCES

Rowlands:2002:WWF


Rowlands:2004:ORA


Ryan:2020:JPR


Robitaille:1992:TIM

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Raymond:2000:CAR


Roth:2004:IUG


Rosa:2011:ROM


Robinson:2012:IRB


Rigo-Lemini:2013:ESE

REFERENCES


[RNM12] Andreas Ryve, Per Nilsson, and John Mason. Establishing mathematics for teaching within classroom interactions in

[**Ryve:2013:AEC**]


[**Riordain:2009:RBP**]


[**Roberge:1975:DCL**]


[**Robinet:1986:RQM**]


[**Robitaille:1990:ACB**]

REFERENCES


[Roh08] Kyeong Hah Roh. Students’ images and their understanding of definitions of the limit of a sequence. *Educational Studies in
REFERENCES


Rosenblom:1969:VS


Rostami:1978:CME


Roth:2012:RWS


Roth:2014:RBB


Roth:2016:GMM


Roth:2017:APC

REFERENCES


REFERENCES

Royoux:1981:ERT


Radford:2007:SMS


Reinholz:2021:SSP


Resek:1980:CMC


Robert:2005:CAM

Radford:2011:IEC


Radford:2017:AME


Reys:1991:EPS


Rupnow:2022:SAV


Rellensmann:2017:MDE


Radford:2011:SMM

Luis Radford, Gert Schubring, and Falk Seeger. Signifying and meaning-making in mathematical thinking, teaching, and learn-
REFERENCES


REFERENCES


[Rut87]


[Rut89a]


[Rut89b]


[Rut90]


[Rut94]


[Rut96]
References

Ruthven:1998:APAa


Ruthven:1998:APAb


Ruthven:1999:APAa


Ruthven:1999:APAb


Ruthven:1999:APAc


Ruthven:2000:APA

REFERENCES


REFERENCES


[SB97] Sylvine Schmidt and Nadine Bednarz. Raisonnements arithmétiques et algébriques dans un contexte de résolution de problèmes: dif-

Stinson:2012:CPT


Schindler:2020:AFD


Schou:2022:UHV


Scandura:1969:URB


Satyam:2022:AGL

[SBL22] V. Rani Satyam, Younggon Bae, and Mariana Levin. Affect graphing: leveraging graphical representations in the study of


REFERENCES


REFERENCES


Florence Mihaela Singer, Nerida Ellerton, and Jinfa Cai. Problem-posing research in mathematics education: new ques-
REFERENCES

Sedivy:1969:TEL

Sedivy:1976:NRP

Seeger:2001:RDM

Seeger:2011:MMM

Sekiguchi:2021:ASA


REFERENCES


REFERENCES

449


REFERENCES



REFERENCES


REFERENCES


REFERENCES


Sinclair:2003:SIR


Siu:1993:PPA


Siwek:1973:LFR


Steele:2004:STV


Sangwin:2017:ASA

REFERENCES


Armando Solares and Carolyn Kieran. Articulating syntactic and numeric perspectives on equivalence: the case of rational


[SL74] Richard J. Shumway and Frank K. Lester. Negative instances and the acquisition of the mathematical concepts of commuta-

**Sfard:1994:GPR**


**Saenz-Ludlow:1995:AFS**


**Saenz-Ludlow:2006:CIG**


**Schindler:2019:DSI**


**Slavit:1997:ARR**

REFERENCES


Saenz-Ludlow:2006:GES


Schukajlow:2012:TMM


Searle:1974:SVA


Svenson:1983:DUS


Saenz-Ludlow:1998:TGI

SLW98 Adalira Sáenz-Ludlow and Catherine Walgamuth. Third graders’ interpretations of equality and the equal symbol.


REFERENCES


REFERENCES


Scheiner:2019:EPM


Samp:2016:DUE


Speer:2005:IMT


Straehler-Pohl:2014:SMR


Selter:2012:TDD


REFERENCES

Strohmaier:2022:DCW


Swadener:1988:VME


Simon:1991:TCP


Simon:1993:TCP


Sinclair:1993:UWN


Selden:1995:ULM

REFERENCES


REFERENCES


REFERENCES

Stylianides:2004:USU


Scheibling-Seve:2020:ACK


Saldanha:2002:CST


Sdrolias:2008:TSS


Sinclair:2010:DSM

Shahbari:2020:FMP


Stacey:1989:FUP


Stacey:2011:BRJ


Steiner:1968:EEM


Steiner:1969:EEM


Steiner:1969:MRN

REFERENCES


Steiner:1971:FEG


Steiner:1976:FGN


Steffe:1983:CAS


Steinbring:1991:CCE


Steiner:1994:EW


Steinbring:1997:EIC

REFERENCES


[Str85] Leen Streefland. Search for the roots of ratio: Some thoughts on the long term learning process (towards ... a theory).
REFERENCES


[Sty07] Andreas J. Stylianides. The notion of proof in the context of elementary school mathematics. Educational Studies in Mathematics,


REFERENCES


REFERENCES


REFERENCES

Sirotic:2007:ING


Shreyar:2010:TAT


Tarim:2008:ECL


Tabach:2013:CWG


Tabach:2022:BRF

REFERENCES


REFERENCE


Thurm:2022:TMT


Tchoshanov:2011:RBT


Towers:2002:SO


Temple:2012:DFM


Turner:2013:LBT

REFERENCES


[TF95] Lindsay Anne Tartre and Elizabeth Fennema. Mathematics achievement and gender: A longitudinal study of selected cog-


Dina Tirosh. Forms of mathematical knowledge: Learning and teaching with understanding. *Educational Studies*
REFERENCES


Kalifa Traoré, Caroline Lajoie, and Roberta Mura. Quelques erreurs pouvant être liées à une difficulté à concevoir un ensemble comme un objet distinct de ses éléments chez des

Thanheiser:2021:NFM


Trigueros:2010:GRL


Tabach:2015:CET


Tabach:2016:CPL


Tsamir:2013:USG


REFERENCES


REFERENCES

EDSMAN. ISSN 0013-1954 (print), 1573-0816 (electronic).


[Tro00] Luc Trouche. La parabole du gaucher et de la casserole à bec verseur: étude des processus d’apprentissage dans un environnement de calculatrices symboliques. (French)


[TS18] Michal Tabach and Baruch B. Schwarz. Professional development of mathematics teachers toward the facilitation of small-


[TSV82] P. Teule-Sensacq and G. Vinrich. Résolution de problèmes de division au cycle élémentaire dans deux types de situations didactiques. (French) [Solving division problems at the elementary


Tsamir:2017:RPK


Tan:2021:HHH


Tsamir:2010:MSM


Tunis:2004:LE


Turnau:1976:CRI

REFERENCES


References


REFERENCES

Venkat:2021:SSD


VanDormolen:1969:UVD


VanHiele:1969:QAD


VanHiele:1974:SST


VanHiele:1976:WKM


Van Den Heuvel-Panhuizen: 2003: DUM


Varga: 1972: LPL


Varga: 1976: PST


Vaughan: 1971: DEG


Vermeulen: 2021: TBV


Vandewiele:1979:PQD


VanDooren:2003:ILE


vanDijke-Droogers:2021:SMP


vandenHeuvel-Panhuizen:2013:PSS


vandenKieboom:2022:PST


Floyd R. Vest. A catalog of models for the operations of addition and subtraction of whole numbers. *Educational Studies in Mathematics*
REFERENCES


Venenciano:2016:PTM


Villa:1971:LAT


Vilela:2010:DPB


Vinner:1975:NPA


Vinner:1976:NCD

REFERENCES


REFERENCES


vanOers:2001:EFI


vanOers:2010:EMT


vanOers:2013:CIM


Villarroel:2017:SRS


Vogeli:1970:SA


Vogel:2013:MSP

Voigt:1994:NMM


Vollrath:1969:SAA


Vollrath:1976:PGM


Vollrath:1977:USS


Vollrath:1986:SSI


Voutsina:2012:PCC

REFERENCES


REFERENCES


REFERENCES


REFERENCES


Venenciano:2021:DRT


Weber:2004:SSP


Wagner:2012:OMT


Waits:1970:RET


Wake:2014:MSM

REFERENCES


Walshaw:2017:BRL


Watson:2018:CSU


Warren:2006:CML


Wasserman:2015:UTM


Watson:1980:IEB


**REFERENCES**


**Wagner:2020:WCW**


**Warren:2008:GPR**


**Watson:2005:PTD**


**Wagner:2010:FNG**


**Watson:2014:DIC**

Worthington:2019:DMA

Warren:1995:FPS

Wearne:1990:AMD

Weber:2001:SDC

Weber:2018:BRB
REFERENCES


Weinberg:2015:CIG


Walter:2007:TPA


Weiss:2015:ERT


Weiss:2015:RTB


Whang:1996:IEK


Weiss:2009:TPA

[WHC09] Michael Weiss, Patricio Herbst, and Chialing Chen. Teachers’ perspectives on “authentic mathematics” and the two-


REFERENCES


REFERENCES


REFERENCES

Wilkie:2021:SQN


Winslow:2003:SDV


Wing:2011:BRP


Wittmann:1969:DSR


Wittmann:1971:CAP


Wittmann:1973:CGJa


REFERENCES


REFERENCES


Wang:2018:FIH


Wenger:1977:POM


Wheatley:1996:CA


Wright:1994:SND


Watson:2008:ULG


Wilkie:2018:EIE


REFERENCES


REFERENCES


REFERENCES


REFERENCES


[Zaz98] Rina Zazkis. Odds and ends of odds and evens: An inquiry into students’ understanding of even and odd num-
Zazkis:1999:IRN


Zhao:2019:BRW


Zehavi:1985:QEM


Zan:2006:AME


Zbiek:2006:BME

Zazkis:2008:WMC


Zhu:2019:EHN


Zhuang:2022:TUR


Zachariades:2013:RSA


Zengin:2018:ECD

Zepp:1981:RBM

Zepp:1982:BUL

Zandieh:2017:CUN

Zevenbergen:1996:CLB

Zevenbergen:2004:TNI

Zevenbergen:2006:SPC


Zazkis:1991:CCT

Zazkis:2002:GPT

Zazkis:2008:EDC

Ziqiang:1991:MEC

Zepp:1987:CLE

Zaki:1991:DRS
Moncef Zaki and François Pluvinage. Démarches de résolution et de simulation face au problème de la ruine d’un joueur. (French) [Solving and simulating the problem of the ruin of a player]. *Educational Studies in Mathematics*, 22(2):149–181, April 1991. CODEN EDSMAN. ISSN 0013-1954 (print),
REFERENCES

Zazkis:2018:OOC


Zolkower:2007:TMT


Zagorianakos:2015:RIP


Zaslavsky:2002:BSA


Zurina:2011:GO


