

# Primary\_PP\_CMAT: Primary PGCE: Professional Practice: Curriculum Maths

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Anghileri, Julia, 'Chapter 4: Addition and Subtraction', in Teaching Number Sense, 2nd ed (London: Continuum, 2006), pp. 49–70  
<<https://contentstore.cla.co.uk/secure/link?id=e0ba78cc-2342-e711-80cb-005056af4099>>

———, 'Chapter 5: Developing Multiplicative Thinking', in Developing Number Sense: Progression in the Middle Years (London: Continuum, 2007), pp. 71–93  
<<https://contentstore.cla.co.uk/secure/link?id=7784ef31-2442-e711-80cb-005056af4099>>

Askew, Mike, 'Chapter 2: Thinking about Learning', in Transforming Primary Mathematics: Understanding Classroom Tasks, Tools and Talk, Updated and revised edition (London: Routledge, 2016), pp. 13–29 <<http://www.tandfebooks.com/isbn/9781315667256>>

Barmby, P., L. Bilsborough, T. Harries, and S. Higgins, 'Data Handling', in Primary Mathematics: Teaching for Understanding (Maidenhead: Open University Press, 2009)  
<<https://contentstore.cla.co.uk/secure/link?id=e1da47f6-6d1b-e711-80c9-005056af4099>>

Barmby, Patrick, Tony Harries, Steve Higgins, and Jennifer Suggate, 'The Array Representation and Primary Children's Understanding and Reasoning in Multiplication', Educational Studies in Mathematics, 70.3 (2009), 217–41  
<<https://doi.org/10.1007/s10649-008-9145-1>>

Carruthers, E., and M. Worthington, 'Young Children Exploring Early Calculation', Mathematics Teaching, 187, 2004, 30–34  
<<https://contentstore.cla.co.uk/secure/link?id=a49723d6-6d1b-e711-80c9-005056af4099>>

Cotton, Tony, 'Chapter 7: Understanding Shape', in Understanding and Teaching Primary Mathematics, 2nd ed (London: Routledge, 2014)  
<<https://ebookcentral.proquest.com/lib/ucl/reader.action?docID=1682971&ppg=149>>

———, Understanding and Teaching Primary Mathematics, Third ed (Abingdon, Oxon: Routledge, 2016)

English, Richard, 'Chapter 6: Arithmetic with Fractions, Decimals, Percentages and Ratios', in Teaching Arithmetic in Primary Schools (Los Angeles: SAGE, 2013), Transforming primary QTS, 89–115  
<<https://contentstore.cla.co.uk/secure/link?id=0579766d-33e2-ea11-80cd-005056af4099>>

'Five Myths of Mastery in Mathematics'

<<https://matrixmathshub.co.uk/wp-content/uploads/2022/12/NAMA-Five-Myths-of-Mastery-in-Mathematics.pdf>>

Fox, Sue, and Liz Surtees, 'Chapter 6: Mathematics and Historical and Geographical Understanding', in *Mathematics across the Curriculum: Problem-Solving, Reasoning, and Numeracy in Primary Schools* (London: Continuum, 2010), pp. 86–94

<<https://contentstore.cla.co.uk/secure/link?id=d5673e4b-6e1b-e711-80c9-005056af4099>>

Gifford, Susan, 'Chapter 8: Number', in *Teaching Mathematics 3-5: Developing Learning in the Foundation Stage* (Maidenhead: Open UP, 2005), pp. 77–103

<<https://ebookcentral.proquest.com/lib/ucl/detail.action?docID=287879>>

———, *Teaching Mathematics 3-5: Developing Learning in the Foundation Stage* (Maidenhead: Open UP, 2005)

<<https://ebookcentral.proquest.com/lib/ucl/detail.action?docID=287879>>

Hansen, Alice, 'Chapter 2: Errors and Misconceptions: The Teacher's Role', in *Children's Errors in Mathematics*, 3rd edition (Thousand Oaks, Calif: SAGE Publications, 2014), Transforming primary QTS, 11–20

<<https://contentstore.cla.co.uk/secure/link?id=bf20a351-6e1b-e711-80c9-005056af4099>>

———, 'Number: Fractions, Decimals and Percentages', in *Children's Errors in Mathematics*, 3rd edition (Thousand Oaks, Calif: SAGE Publications, 2014), Transforming primary QTS

Haylock, D., and R. Manning, 'Chapter 4: Key Processes in Mathematical Reasoning', in *Mathematics Explained for Primary Teachers*, 5th edition (London: SAGE Publications, 2014), pp. 37–49

<<https://contentstore.cla.co.uk/secure/link?id=1a1d5558-6e1b-e711-80c9-005056af4099>>

———, 'Chapter 5: Modelling and Problem Solving', in *Mathematics Explained for Primary Teachers*, 5th edition (London: SAGE Publications, 2014), pp. 52–61

<<https://contentstore.cla.co.uk/secure/link?id=1b1d5558-6e1b-e711-80c9-005056af4099>>

Haylock, Derek, *Student Workbook for Mathematics Explained for Primary Teachers*, [2nd ed.] (Los Angeles: SAGE, 2014)

Haylock, Derek, and Anne Cockburn, *Understanding Mathematics for Young Children: A Guide for Teachers of Children 3-7*, Fifth edition (London: SAGE, 2017)

<<https://app.kortext.com/Shibboleth.sso/Login?entityID=https://shib-idp.ucl.ac.uk/shibboleth&target=https://app.kortext.com/borrow/284700>>

Haylock, Derek, and Ralph Manning, *Mathematics Explained for Primary Teachers*, 6th edition (London: SAGE Publications, 2019)

———, *Mathematics Explained for Primary Teachers*, 5th edition (London: SAGE Publications, 2019)

Haylock, Derek, and Fiona Thangata, 'Questioning', in *Key Concepts in Teaching Primary Mathematics* (London: SAGE, 2007), SAGE key concepts, 155–62  
<<https://sk.sagepub.com/books/key-concepts-in-teaching-primary-mathematics/n38.xml>>

Hughes, Martin, 'Chapter 4: What's so Hard about Two and Two?', in *Children and Number: Difficulties in Learning Mathematics* (Oxford: Basil Blackwell, 1986), pp. 37–52  
<<https://contentstore.cla.co.uk/secure/link?id=f048b80f-6e1b-e711-80c9-005056af4099>>

Kerslake, D., 'Visual Mathematics', *Mathematics in School*, 8, 34–35  
<<https://contentstore.cla.co.uk/secure/link?id=f8f450dc-6d1b-e711-80c9-005056af4099>>

Killen, Paul, and Sarah Hindhaugh, 'Making Sum Sense', in *How Big Is a Big Number? : Learning to Teach Mathematics in the Primary School*, 2018  
<<https://contentstore.cla.co.uk/secure/link?id=8438e990-80d3-e811-80cd-005056af4099>>

Maulfry Worthington, and Elizabeth Carruthers, 'Research Uncovers Children's Creative Mathematical Thinking', *Primary Mathematics* (Mathematics Association), 7.3 (2003), 21–25 <<https://www.childrens-mathematics.net/our-publications-1/>>

Nunes, T., P. Bryant, J. Hurry, and U. Pretzlik, 'Fractions: Difficult but Crucial in Mathematics Learning', 2006  
<<https://primarysite-prod-sorted.s3.amazonaws.com/stavertonwilts/UploadedDocument/9c7dd42517224ac3a064a585209fab36/fractions.pdf>>

Plunkett, S., 'Decomposition and All That Rot', *Mathematics in School*, 8, 2–5  
<<https://contentstore.cla.co.uk/secure/link?id=f9f450dc-6d1b-e711-80c9-005056af4099>>

Richard R. Skemp, 'Relational Understanding and Instrumental Understanding', *Mathematics Teaching in the Middle School*, 12.2 (2006), 88–95  
<[http://www.jstor.org/stable/41182357?seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org/stable/41182357?seq=1#page_scan_tab_contents)>

Rickard, C., 'Data Handling', in *Primary Mathematics for Trainee Teachers* (Los Angeles: SAGE, 2014), *Transforming primary QTS*, 139–56  
<<https://contentstore.cla.co.uk/secure/link?id=32ffa129-b846-e711-80cb-005056af4099>>

Ryan, Julie, and Julian Williams, 'Chapter 2: Learning from Errors and Misconceptions', in *Children's Mathematics 4-15: Learning from Errors and Misconceptions* (Maidenhead: Open University P., 2007), pp. 13–30  
<<https://contentstore.cla.co.uk/secure/link?id=dfda47f6-6d1b-e711-80c9-005056af4099>>

Suggate, Jennifer, Andrew Davis, and Maria Goulding, *Mathematical Knowledge for Primary*

Teachers (5th Edition), 4th ed (London: Routledge, 2017)

Thompson, I., 'Deconstructing Calculation Methods, Part 2: Subtraction', Mathematics Teaching, 204, 2007, 6-8

<<https://contentstore.cla.co.uk/secure/link?id=a69723d6-6d1b-e711-80c9-005056af4099>>

———, 'Deconstructing Calculation, Part 1: Addition', Mathematics Teaching, 202, 2007, 14-15

<<https://contentstore.cla.co.uk/secure/link?id=a59723d6-6d1b-e711-80c9-005056af4099>>

Thompson, Ian, 'Chapter 12. Getting Your Head around Mental Calculation', in Issues in Teaching Numeracy in Primary Schools, 2nd ed (Maidenhead: Open University Press, 2010), pp. 97-103

<<http://www.vlebooks.com/vleweb/product/openreader?id=UCL&isbn=9780335241545>>

van Hiele, Pierre M., 'Developing Geometric Thinking through Activities That Begin with Play', Teaching Children Mathematics, 5.6, 310-16

<[https://search.proquest.com/docview/62490164?rfr\\_id=info%3Axri%2Fsid%3Aprimo](https://search.proquest.com/docview/62490164?rfr_id=info%3Axri%2Fsid%3Aprimo)>

'Working with Luke' <<http://nrich.maths.org/6688>>