

# Maths 1 (DUMF1013)

View Online



1

Haylock D. Understanding mathematics for young children: A guide for teachers of children 3-7, 14. 5th edition. London: : SAGE Publications 2017.

<https://app.talis.com/glasgow/player#/modules/5f55ffaa3f2b343bc876562b/resources/5f563cd23b6d6d6499f45406>

2

Thompson I. Issues In Teaching Numeracy In Primary Schools. Open University 1999.

[https://uws-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=44PAI\\_ALMA2137006130003931&context=L&vid=44PAI\\_V1&search\\_scope=default\\_scope&isFrbr=true&tab=default\\_tab&lang=en\\_US](https://uws-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=44PAI_ALMA2137006130003931&context=L&vid=44PAI_V1&search_scope=default_scope&isFrbr=true&tab=default_tab&lang=en_US)

3

Cockburn, Anne, Dawson Books. Mathematical understanding 5-11: practical ideas from and for the primary classroom. London: : Paul Chapman 2007.

<https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9781848605282>

4

Haylock, Derek, Thangata, Fiona, Dawson Books. Key concepts in teaching primary mathematics. Los Angeles, CA: : SAGE Publications 2007.

<https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9781849202459>

5

Gates P, NetLibrary, Inc. Issues in mathematics teaching. London: : Routledge/Falmer

2001.

<http://ezproxy.lib.gla.ac.uk/login?url=http://www.netLibrary.com/urlapi.asp?action=summary&v=1&bookid=76898>

6

National Council of Teachers of Mathematics, Thomson Gale (Firm). Teaching children mathematics. 1994.

7

Association of Teachers of Mathematics, EBSCO Publishing (Firm). Mathematics teaching.

8

BBC. BBC - Schools Ages 4-11 - Numeracy Sites.

[https://www.bbc.co.uk/schools/websites/4\\_11/site/numeracy.shtml](https://www.bbc.co.uk/schools/websites/4_11/site/numeracy.shtml)

9

Education Scotland. Supporting Curriculum for Excellence (CfE), quality and improvement, assessment, community and lifelong learning - Education Scotland.

<http://www.educationscotland.gov.uk/>

10

Teaching Ideas. Maths - General Teaching Ideas.

<http://www.teachingideas.co.uk/maths/contents.htm>

11

Math is Fun - Maths Resources. <http://www.mathsisfun.com/>

12

Education videos and resources for professional development.

<http://www.teachers-media.com/>

13

Education Outcomes of Computer-Based Maths.

<http://computerbasedmath.org/materials/math-education-outcomes.php#detailed-view-am>

14

Ofsted | Finnish pupils' success in mathematics.

<http://www.ofsted.gov.uk/resources/finnish-pupils-success-mathematics>

15

Children's mathematics journals.

<http://ezproxy.lib.gla.ac.uk/login?url=http://go.galegroup.com/ps/infomark.do?action=interpret&serQuery=Locale%28en%2CUS%2C%29%3AFQE%3D%28jx%2CNone%2C31%29%22Teaching Children>[Mathematics%22%24&queryType=PH&prodId=EAIM&userGroupName=glauni&type=publissues&version=1.0&authCount=1&u=glasuni](http://ezproxy.lib.gla.ac.uk/login?url=http://go.galegroup.com/ps/infomark.do?action=interpret&serQuery=Locale%28en%2CUS%2C%29%3AFQE%3D%28jx%2CNone%2C31%29%22Teaching Children Mathematics%22%24&queryType=PH&prodId=EAIM&userGroupName=glauni&type=publissues&version=1.0&authCount=1&u=glasuni)

16

BBC - Schools Ages 4-11 - Numeracy Sites.

[https://www.bbc.co.uk/schools/websites/4\\_11/site/numeracy.shtml](https://www.bbc.co.uk/schools/websites/4_11/site/numeracy.shtml)

17

Math is Fun - Maths Resources. <http://www.mathsisfun.com/>

18

Numeracy across learning - Responsibility of all - Learning, teaching and assessment.

<http://www.educationscotland.gov.uk/learningteachingandassessment/learningacrossthecurriculum/responsibilityofall/numeracy/>

19

Mathematics - Curriculum areas - Learning, teaching and assessment.

<http://www.educationscotland.gov.uk/learningteachingandassessment/curriculumareas/mathematics/>

20

Numeracy - Wikipedia, the free encyclopedia. <http://en.wikipedia.org/wiki/Numeracy>

21

Thompson I. Numeracy articles.

[http://www.ianthompson.pi.dsl.pipex.com/index\\_files/Page352.htm](http://www.ianthompson.pi.dsl.pipex.com/index_files/Page352.htm)

22

A Maths Dictionary for Kids 2013 by Jenny Eather | Maths Resources | Maths Online Dictionary | Math Words | Math Online Glossary | Math Terms.

<http://www.amathsdictionaryforkids.com/>

23

Assignment video 1.

<http://www.teachersmedia.co.uk/videos/ks1-ks2-maths-making-maths-real>

24

Assignment video 2. <http://www.teachersmedia.co.uk/videos/calculation>

25

Assignment video 3. <http://www.teachersmedia.co.uk/videos/measures>

26

Assignment video 4.

<http://www.teachersmedia.co.uk/videos/ks1-ks2-maths-problem-solving-1>

27

Maths BetterExplained. <http://betterexplained.com/archives/>

28

Thompson I, Dawson Books. Enhancing primary mathematics teaching. Maidenhead: : Open University Press 2003.

<https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://idp.gla.ac.uk/shibboleth&dest=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9780335228065>

29

Thompson I. Enhancing primary mathematics teaching. Maidenhead: : Open University Press 2003.

<https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9780335228065>

30

BBC News - New insight into how children learn maths.

<https://www.bbc.co.uk/news/health-26643823>

31

Growth Mindset: How to Normalize Mistake Making and Struggle in Class | GROWTH MINDSET | MindShift | KQED News.

[http://ww2.kqed.org/mindshift/2015/08/24/growth-mindset-how-to-normalize-mistake-making-and-struggle-in-class/?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=20150830](http://ww2.kqed.org/mindshift/2015/08/24/growth-mindset-how-to-normalize-mistake-making-and-struggle-in-class/?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=20150830)

32

BBC One - The Richard Dimbleby Lecture, Michael Morpurgo: Set Our Children Free, An extract from Michael Morpurgo's Lecture 'Set Our Children Free.'

<https://www.bbc.co.uk/programmes/p00fgfl8>

33

KS1 Numeracy - Understanding Place Value | Teachfind.

[http://teachfind.com/teachers-tv/ks1-numeracy-understanding-place-value?current\\_search=understanding%20place%20value](http://teachfind.com/teachers-tv/ks1-numeracy-understanding-place-value?current_search=understanding%20place%20value)

34

Reading How Do We Teach Children To Be Numerate? British Educational Lesson Plan Teach Ordering Numbers.

<http://www.padjane.com/how-do-we-teach-children-to-be-numerate-british-educational-lesson-plan/reading-how-do-we-teach-children-to-be-numerate-british-educational-lesson-plan/>

35

Fuson KC, Grandau L, Sugiyama PA. Achievable Numerical Understandings for All Young Children. Teaching Children Mathematics 2001;**7**

[.https://ezproxy.lib.gla.ac.uk/login?url=https://go.galegroup.com/ps/i.do?id=GALE%7CA75452613&v=2.1&u=glasuni&it=r&p=AONE&sw=w&asid=a4e11e90e56f6367a69e9318bc9edb06](https://ezproxy.lib.gla.ac.uk/login?url=https://go.galegroup.com/ps/i.do?id=GALE%7CA75452613&v=2.1&u=glasuni&it=r&p=AONE&sw=w&asid=a4e11e90e56f6367a69e9318bc9edb06)

36

BBC - Learning Zone Class Clips - The history of place values and index notation - Maths Video.

<http://www.bbc.co.uk/learningzone/clips/the-history-of-place-values-and-index-notation/13585.html>

37

Conversion of integers between integer bases.

<http://www.mathpath.org/concepts/Num/conv.htm>

38

Teaching and Learning - Early Years Foundation Stage.

<http://archive.teachfind.com/ttv/www.teachers.tv/videos/teaching-and-learning-early-years-foundation-stage.html>

39

Number Theory Index.

[http://www-history.mcs.st-andrews.ac.uk/Indexes/Number\\_Theory.html](http://www-history.mcs.st-andrews.ac.uk/Indexes/Number_Theory.html)

40

Conservation of number task. <http://www.youtube.com/watch?v=19qM4OoV59U>

41

Interactivate: Tessellate! <http://www.shodor.org/interactivate/activities/Tessellate/>

42

Symmetry Game.

[http://www.innovationslearning.co.uk/subjects/maths/activities/year3/symmetry/shape\\_game.asp](http://www.innovationslearning.co.uk/subjects/maths/activities/year3/symmetry/shape_game.asp)

43

(28) Teachers TV: Fun with Maths - YouTube.

<https://www.youtube.com/watch?v=rdlVtTsVPmo>

44

(28) Teachers TV: Year 3 - All about Numbers - YouTube.

<https://www.youtube.com/watch?v=hIYKWCCqpZA>

45

Pre-school Math. <http://math.about.com/od/reference/a/preschool.htm>

46

Cool Math 4 Kids Free Online Subtraction Lessons, Games, Activities and Flash Cards to Print (Printable). <http://www.coolmath4kids.com/subtraction/index.html>

47

Mr Duey - Fractions Official Video - TeacherTube.  
[http://www.teachertube.com/viewVideo.php?video\\_id=24266](http://www.teachertube.com/viewVideo.php?video_id=24266)

48

Teachers TV: Negative Numbers 1 - Resources - TES.  
<https://www.youtube.com/watch?v=nbsEikxHeOE>

49

Teachers TV: Negative Numbers 2 - Resources - TES.  
<https://www.youtube.com/watch?v=T789mXx4I48>

50

Year 6 - A Lesson in Subtraction as a Confidence Builder.  
<https://www.youtube.com/watch?v=X0jZe3vgTB0>

51

Multiplication Fun Facts 1 - TeacherTube.  
[http://www.teachertube.com/viewVideo.php?video\\_id=136266&title=Multiplication\\_Fun\\_Facts\\_1](http://www.teachertube.com/viewVideo.php?video_id=136266&title=Multiplication_Fun_Facts_1)

52

Year 4 - Observing a Lesson on Times Tables.  
<https://www.youtube.com/watch?v=4crhtd3wbdM>

53

Method in Multiplying Madness? : nrich.maths.org. <http://nrich.maths.org/5612>

54

A Problem Is Only a Problem When You Can't Do It : nrich.maths.org.



<http://nrich.maths.org/5738>

55

Problems on nrich. <http://nrich.maths.org>

56

Year 5 - Problem Solving and Building Confidence.

<http://www.teachersmedia.co.uk/videos/year-5-problem-solving-and-building-confidence>

57

Where Next for Primary Assessment?

<http://www.teachersmedia.co.uk/videos/where-next-for-primary-assessment>

58

Problem Solving with George Polya. <http://www.youtube.com/watch?v=uCS7GO0fkc4>

59

KS1/2 Maths - Just Division | Teachfind. [https://www.youtube.com/watch?v=\\_K-GHO8D9gY](https://www.youtube.com/watch?v=_K-GHO8D9gY)

60

KS1/2 Maths - Just Division | Teachfind. <https://www.youtube.com/watch?v=fYQ-8rWOZPw>

61

Problem solving on Teachersmedia. <https://www.youtube.com/watch?v=OcliYaCncN0>

62

Maths - Measure Teaching Ideas. <https://www.teachingideas.co.uk/subjects/measure>

63

UK Shoe Sizes Explanation & History.  
<http://www.internationalshoesizes.com/uk-shoe-sizes.htm>

64

How Big is a foot? <http://www.youtube.com/watch?v=bWhWL1MET7A>

65

Teaching Time - Telling the time made fun! <http://www.teachingtime.co.uk/>

66

Mass vs. Weight: Introduction. <http://www.youtube.com/watch?v=gjfLI7aJKmQ>

67

Maths - Number Patterns Teaching Ideas.  
[http://www.teachingideas.co.uk/maths/contents\\_nopatterns.htm](http://www.teachingideas.co.uk/maths/contents_nopatterns.htm)

68

Early algebra - Thinkmath. [http://thinkmath.edc.org/index.php/Early\\_algebra](http://thinkmath.edc.org/index.php/Early_algebra)

69

Triangular Numbers. <http://www.mathematische-basteleien.de/triangularnumber.htm>

70

BBC - Schools - Teachers - Maths - KS1 lesson plans.  
[http://www.bbc.co.uk/schools/teachers/ks1\\_lessonplans/maths/index.shtml](http://www.bbc.co.uk/schools/teachers/ks1_lessonplans/maths/index.shtml)

71

Algebra - What's the Pattern? | SchoolsWorld. <http://www.schoolsworld.tv/node/3358>

72

GCSE Maths Sequences Revision - The nth Term | S-cool, the revision website.  
<http://www.s-cool.co.uk/gcse/maths/sequences/revise-it/the-nth-term>

73

Math is the hidden secret to understanding the world | Roger Antonsen - YouTube.  
<https://www.youtube.com/watch?v=ZQElzjCsl9o>

74

Primary Resources: Maths: Measures, Shape & Space: 2-D and 3-D Shape.  
<http://www.primaryresources.co.uk/maths/mathsE3.htm>

75

KS1/2 Maths - Learning Maths with Kyane.  
<https://www.youtube.com/watch?v=MU67i9dXvpM>

76

Shape and Space. <https://www.youtube.com/watch?v=MrTO6pjuzVw>

77

Maths - A Lesson on Shapes.  
<http://archive.teachfind.com/ttv/www.teachers.tv/videos/uncut-classrooms-maths-a-lesson-on-shapes.html>

78

Interactivate: Tessellate! <http://www.shodor.org/interactivate/activities/Tessellate/>

79

Symmetry Game.

[http://www.innovationslearning.co.uk/subjects/maths/activities/year3/symmetry/shape\\_game.asp](http://www.innovationslearning.co.uk/subjects/maths/activities/year3/symmetry/shape_game.asp)

80

3D Awareness. <http://www.teachersmedia.co.uk/videos/3d-awareness>

81

Maths - Data Handling Teaching Ideas.

[http://www.teachingideas.co.uk/maths/contents\\_datahandling.htm](http://www.teachingideas.co.uk/maths/contents_datahandling.htm)

82

Data Handling. <https://www.youtube.com/watch?v=8JVtjkTAhec>

83

Maths Search : nrich.maths.org. [http://nrich.maths.org/public/search.php?search=carroll diagrams](http://nrich.maths.org/public/search.php?search=carroll%20diagrams)

84

Maths Search : nrich.maths.org. [http://nrich.maths.org/public/search.php?search=bar charts](http://nrich.maths.org/public/search.php?search=bar%20charts)

85

Monthly Index page:: All Stages : nrich.maths.org.

<http://nrich.maths.org/thismonth/all/2002/05/?showfulltier=yes>

86

Monthly Index page:: All Stages : [nrich.maths.org](http://nrich.maths.org).  
<http://nrich.maths.org/thismonth/all/2003/06/?showfulltier=yes>

87

Primary ICT - Numeracy - Handling Data.  
<http://archive.teachfind.com/ttv/www.teachers.tv/videos/primary-ict-numeracy-interpreting-data.html>

88

Haylock D. Creativity in Maths. <http://www.uk.sagepub.com/haylock/podcast.htm>

89

The UK needs a revolution in the way maths is taught. Here's why... | Education | The Observer.  
<http://www.theguardian.com/education/2014/feb/23/maths-teaching-revolution-needed-conrad-wolfram>

90

Dan Meyer: Math class needs a makeover | Video on TED.com.  
[http://www.ted.com/talks/lang/en/dan\\_meyer\\_math\\_curriculum\\_makeover.html](http://www.ted.com/talks/lang/en/dan_meyer_math_curriculum_makeover.html)

91

Year 6 - A Lesson in Subtraction as a Confidence Builder.  
<http://www.teachers-media.com/videos/year-6-a-lesson-in-subtraction-as-a-confidence-builder>

92

A Guide to Early Years and Primary Teaching.  
<https://study.sagepub.com/wyseandroggers/student-resources/chapter-4/podcast>