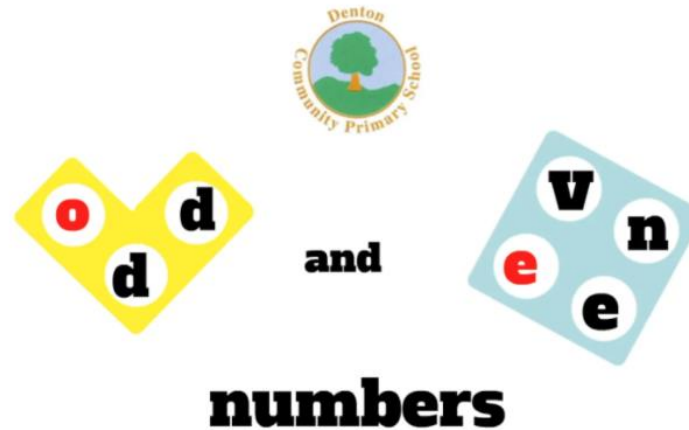


Hyperlinks

Support for developing fluency:



**ABS JEFFREY
MAGIC**



Support for developing fluency:



Herts for Learning: ESSENTIALmaths

342 subscribers



THIRD SPACE MATHS HUB

Early Years
Foundation Stage

$$18 \div 3 = 6$$

$$18 - 3 = 15$$

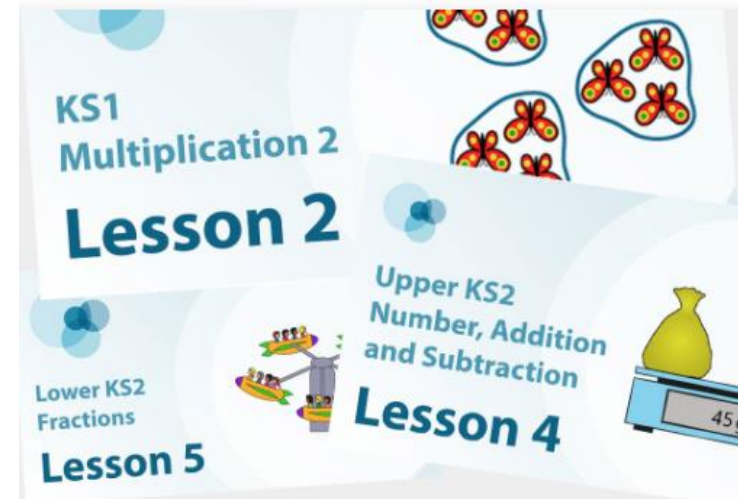
Mrs Jones shares 18 books out equally between three children. How many books will they get each?

$$18 \times 3 = 54$$

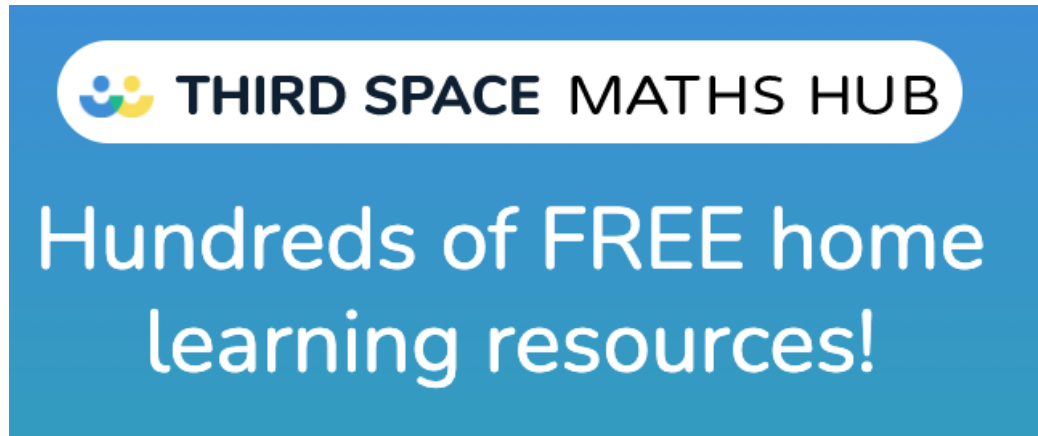
$$18 + 3 = 21$$

<https://mrsfclassroom.wordpress.com/2021/01/14/which-operation/>

Materials to support maths remote learning:



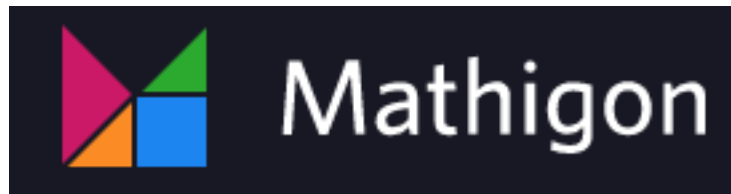
Printable materials to support maths remote learning:



Resource to support virtual learning in maths :



MathsBot.com



CPD for Staff

 **THIRD SPACE MATHS HUB**

Hundreds of FREE home learning resources!

SUPPORT WITH 2020 DFE GUIDANCE

MATHS
NO PROBLEM! 

**White
Rose
Maths**

PRIMARY ITE
PROFESSIONAL
DEVELOPMENT
MATERIALS

OXFORD
UNIVERSITY PRESS



PODCAST CPD

Parental support:



Hamilton Trust



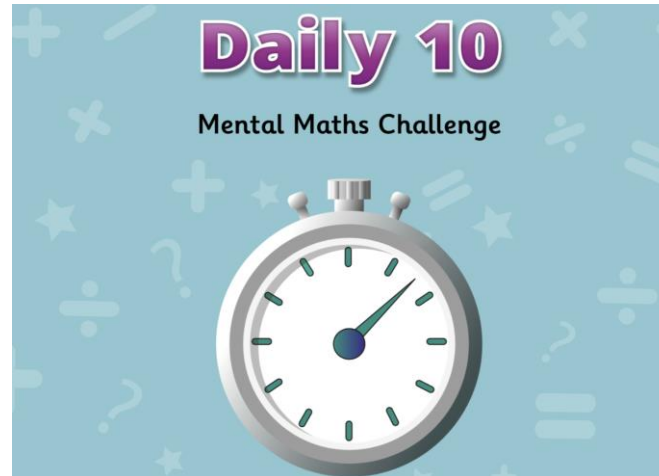
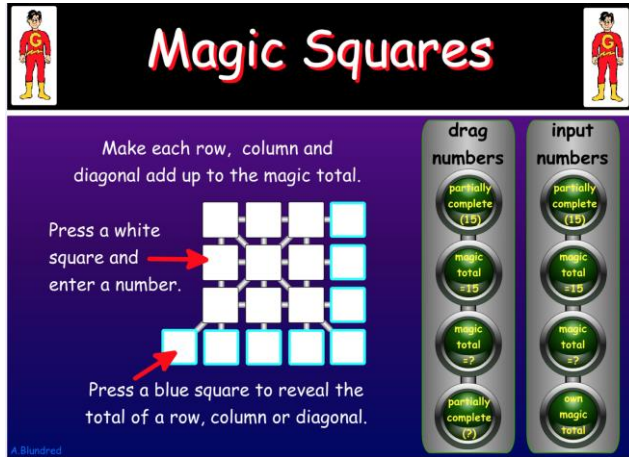
Education
Endowment
Foundation

Maths at Home

15 ways for parents & carers
to kick-start fun Maths
learning at home

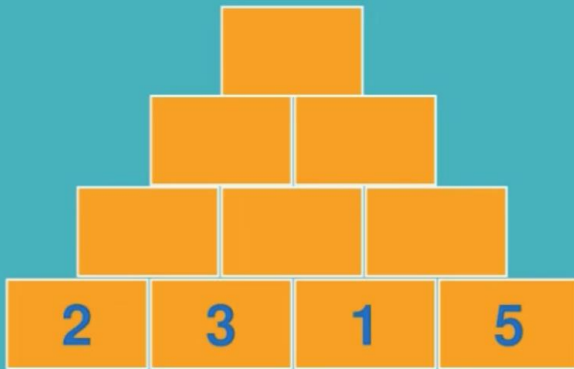
This will be uploaded to
base camp

Other online games that encourage children to develop fluency:



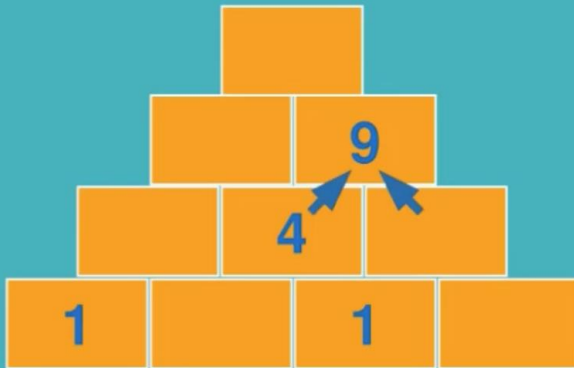
Math Crossword Puzzles:

Number Pyramids



OXFORD

Inverse Operations?



OXFORD

How can children access these puzzles at home?

- Printable version - <https://www.countonus.org.uk/maths-resources/number-pyramid-challenge/>
- Interactive - https://www.transum.org/Software/SW/Starter_of_the_day/starter_January4.ASP
- <https://www.transum.org/Maths/Exercise/Pyramid/Default.asp?Level=2>

Basic
Kenken:

What
reasoning is
required to
solve this?



2 ÷	6 ×	3 −	
		2 −	
1 1	2 −		24 ×
4 +			

OXFORD

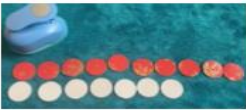
How can children access
these puzzles at home?

- <http://www.kenkenpuzzle.com/#>
- <https://krazydad.com/inkies/> - download and work on.

Maths resources in school/at home ideas

Useful websites for representations (accessible free from home):
Toy Theatre
[Teacher Tools » Toy Theater | Learn • Create • Play](#)
(see Teacher tools for reps but also 'math' for online interactive games for practice)
MathsBot Manipulatives
[Manipulatives - MathsBot.com](#)
Maths No Problem App (for iPads and mobile devices)
Maths No Problem support for home learning (for parents with practice activities):
[School at Home : Maths — No Problem!](#)
Numberblocks app: 'I see Numberblocks' for Apple and android.

This resource will be uploaded to
Basecamp – look in the Docs & Files folder

Resource	In school it looks like:	At home it could look like:
Double sided counters		Buttons Post-it notes Lego/Duplo bricks Pasta  Xmas cards make great double-sided counters as they have colour on one side and are often a different colour inside (could be squares if they are easier to cut). 

Other suggestions

Tasks on the NRICH website with a focus on developing fluency through reasoning and solving problems.

<https://nrich.maths.org/10821>

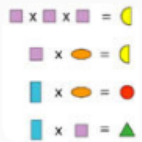


$$\square \times \blacktriangledown = \blacktriangledown$$

Number Fluency

Fluency is the focus of one of the three aims of the new National Curriculum. In this feature we bring together some of the tasks which we think promote numerical fluency in an engaging way. Some of these are games which could be played again and again, whereas others are one-off challenges. The article looks at the meaning of fluency in the context of number, and how it can often be unintentionally misinterpreted.

$$\blacktriangledown \times \text{half} = \blacktriangledown$$



Developing Number Fluency - What, Why and How

Age 5 to 11

In this article for primary teachers, Lynne McClure outlines what is meant by fluency in the context of number and explains how our selection of NRICH tasks can help.



Pairs of Numbers

Age 5 to 7 ★

If you have ten counters numbered 1 to 10, how many can you put into pairs that add to 10? Which ones do you have to leave out? Why?

Other suggestions

Tasks on Jo Boaler's *YouCubed* website with a focus on developing fluency through reasoning and solving problems.

<https://www.youcubed.org/tasks/>

Tasks



Grades



Topics



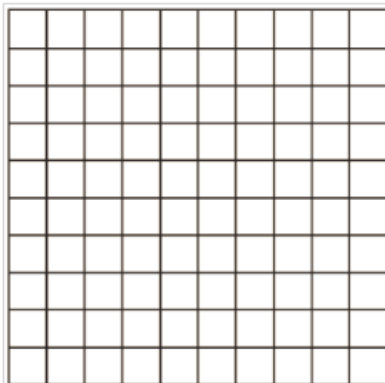
Penny Collection

3 4 5 6 7 8

9 10 Number Sense

Pattern Recognition Division

Factors Multiplication



How Many Rows? How Many in Each Row?

3 4 5 6 7 8

