Llywodraeth Cymru
Welsh Government

Education begins at home

Maths resources for parents

Key Stage 2 - 7 to 11 year olds

To be used with our maths videos available on
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ISBN: 978-1-4734-6374-5 • WG Number: WG28063 • © Crown copyright 2016

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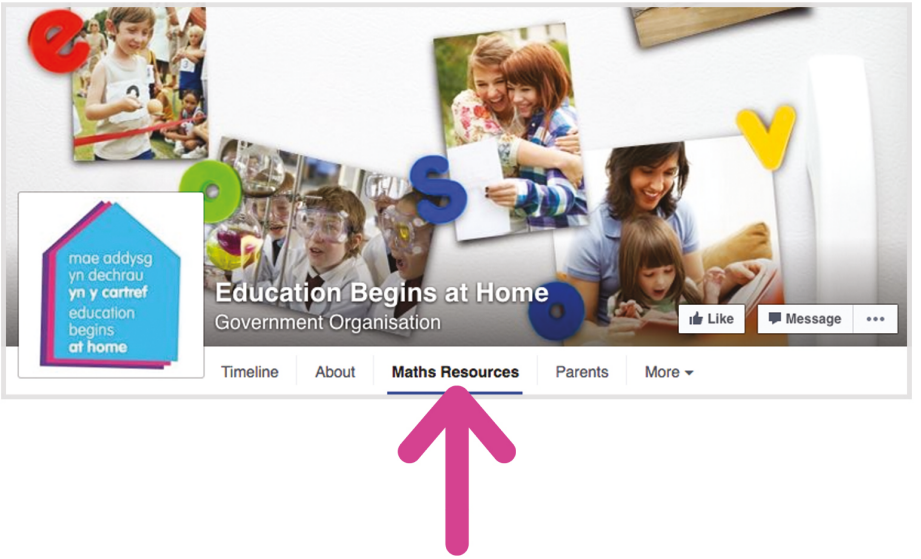
Introduction

These resources are to be used in conjunction with our online videos which can be found at www.facebook.com/beginsathome. The resources are intended for parents and carers who wish to support their child with maths at home. There are a number of different methods used by teachers across the curriculum, so always check with your child's teacher which method is relevant.



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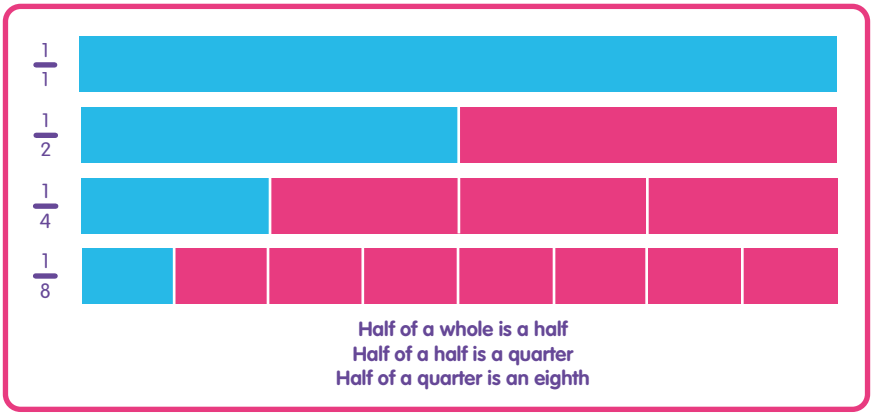
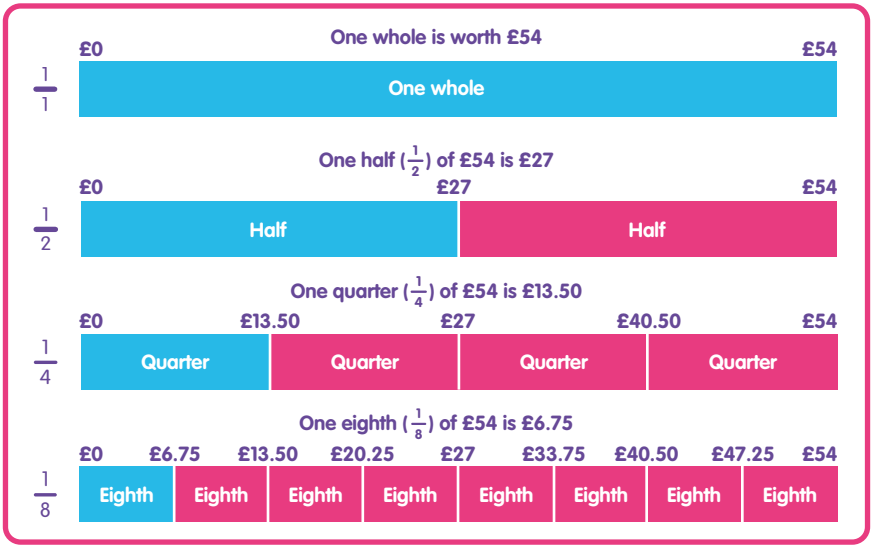
Key Stage 2 - 7 to 11 year olds
Fractions

Rhys has £54.00. He spent three quarters of his money. How much money does he have left? Use the number strip method below.





Three quarters of £54 = £40.50
To find out how much money he has left,
£54 - £40.50 = £13.50

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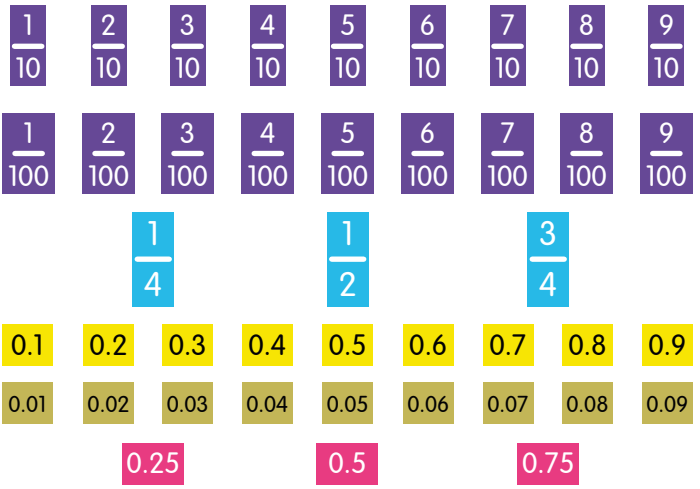
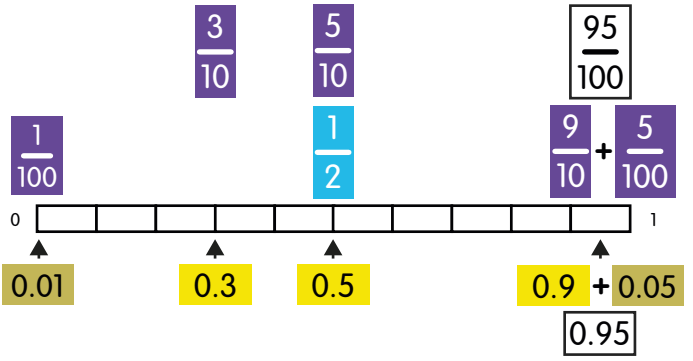
Key Stage 2 - 7 to 11 year olds
Decimals

Note to parents: Using paper or card, cut out some cards containing the fractions and decimals below. Use a ruler to create a strip with ten equal parts – this will be the number line.



Place the fractions on the number line and encourage your child to place the decimal cards on the correct corresponding fraction.



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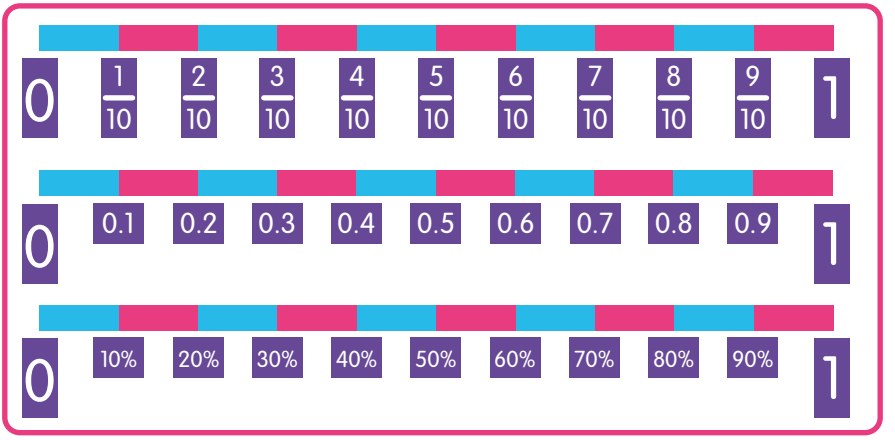
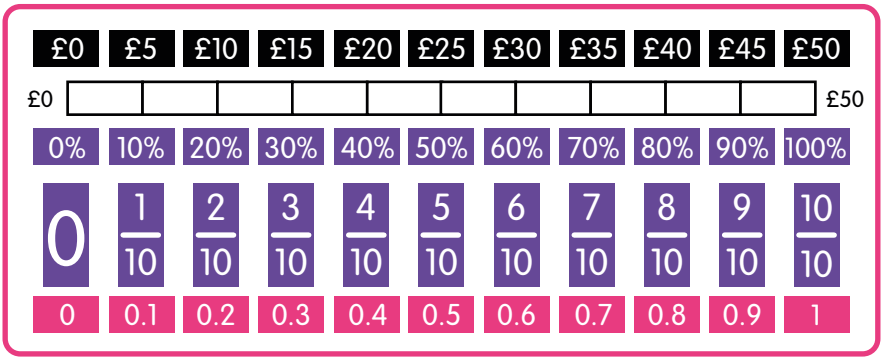
Key Stage 2 - 7 to 11 year olds
Percentages

There is a 30% reduction off an item worth £50. By how much has the item been reduced?



Use the number strip to split the £50 into ten equal parts.



10% of £50 = £5
£5 x 3 = £15
Therefore 30% of £50 is £15

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Ratios

In the gymnastics club there are two boys for every three girls. There are fifteen girls in the club. How many boys are there in the club?

Using the table below you can see a pattern develop (multiples of 2 in the boys column, and multiples of 3 in the girls column).

Number of boys	Number of girls
2	3
4	6
6	9
8	12
10	15
20	30
30	45

Therefore for every 15 girls, there are 10 boys.

You can also conclude that the number of boys is two thirds the number of girls, and the number of girls is one and a half times the number of boys.

You can write the ratio as 10:15 – which has the same value as 2:3, 4:6, 6:9, 8:12 etc.

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Useful information

Ask your child's teacher about the latest apps, games and websites to help your child with maths, here are some suggested apps and websites.

Apps and Games

Apps 4 Primary Schools*
Cyfri gyda Cyw
Rhifau
Tiwtor Mathemateg
Ap Sgîl-iau
Welsh apps with fun maths activities - www.ginormous.solutions/cym

Websites

Hwb – The learning platform, full of useful resources.
http://hwb.wales.gov.uk
National Numeracy* – The National Numeracy Family Maths Toolkit is full of ideas and free activities to help families enjoy maths together.
http://www.nationalnumeracy.org.uk/family-maths-toolkit
Sumdog* – is a site that offers games to make mathematics fun. They are all free to play with the option to subscribe for extra features.
www.sumdog.com
Cyw – A Welsh site with fun games to play with your children including numbers. http://www.s4c.cymru/cyw/en/games/
Oxford Owl* – Useful videos and resources to help support your children with maths at home. www.oxfordowl.co.uk
Camau Cyfri – A Welsh site with numbers to support your children.
www.bbc.co.uk/cymru/dysgu/camaucyfri/

*Please note these are only available in English

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