Welcome to our Year 6 Maths Workshop

20-22 Jan 2026

Today, we will show you:

Spring 1 KIRF

Reflective Rick / Flashback 4

Assessment for Learning

MyminiMaths

Key Websites that can be used at home

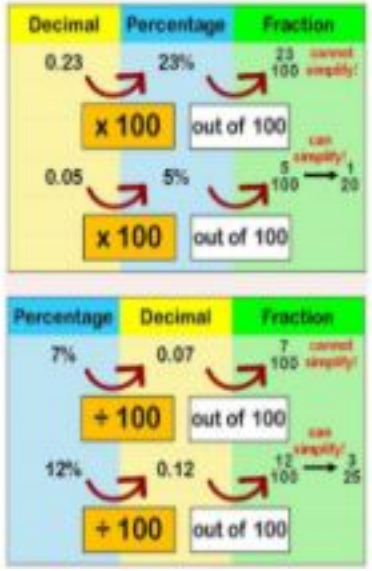
Our KIRF for this half term is:

Key Vocabulary
Fractions
Decimals
Percentages
Tenths
Hundredths

I aspire to convert between fractions, decimals and percentages.

By the end of this half term, you should know the following facts. The aim is for them to recall these facts **instantly**.

Fraction	Decimal	Diagram	Out of 100	Percentage
1/10	0.1		10/100	10%
2/10	0.2		20/100	20%
3/10	0.3		30/100	30%
4/10	0.4		40/100	40%
5/10	0.5		50/100	50%



$\frac{1}{2} = 0.5$
$\frac{1}{4} = 0.25$
$\frac{3}{4} = 0.75$
$\frac{1}{10} = 0.1$
$\frac{1}{5} = 0.2$
$\frac{3}{5} = 0.6$

$\frac{1}{100} = 0.01$
$\frac{7}{100} = 0.07$
$\frac{21}{100} = 0.21$
$\frac{75}{100} = 0.75$
$\frac{99}{100} = 0.99$

Key Questions

How many tenths is 0.8?

How many hundredths is 0.23?

Can you write 0.75 as a fraction?

Can you write 1/4 as a decimal?

Top Tips

The secret to success is practising little and often. Use time wisely. Can you practise these KIRFs while walking to school or during a car journey?

Your Home learning this half term...

Challenge 1:	**Maths Invaders.** Follow the QR code and select 'convert fractions to decimals' or 'fractions to percentages'. Shoot the spaceship with the correct answer and dodge the incoming fire. A fun game to practise a wide range of key mathematical skills. https://mathsframe.co.uk/en/resources/resource/289/KS2-Maths-Invaders
Challenge 2:	Draw (or use a real chocolate bar) with ten or twenty equal squares. Shade different parts of the bar and describe them in 3 different ways - as a fraction, as a decimal, as a percentage. E.g. 5 squares shaded out of 10: Fraction: 5/10 Decimals: 0.5 Percentage: 50%
Challenge 3:	Make some cards with pairs of equivalents fractions and decimals. Use these to play the memory game or snap. If you don't have time to make your own cards there is an online memory game - follow the QR code to play! https://nrich.maths.org/problems/matching-fractions-decimals-and-percentages
Challenge 4:	Make your own dominoes with fractions on one side and percentages on the other. Play the game matching the conversions.
Challenge 5:	Play this matching game. A flexible matching game which can help you to recognise equivalence of fractions, decimals and percentages. https://mathsframe.co.uk/en/resources/resource/120/match-fractions-decimals-and-percentages
Challenge 6:	Mix two juices, decide which fraction of your cup will be orange juice (e.g. ¾ orange, ¼ apple) Convert your mix into a decimal and a percentage. E.g. ¾ = 0.75 = 75%. Try new recipes and write them in all three forms.

To learn this skill, you could also ....

Use **BBC Bitesize** as a good starting place https://www.bbc.co.uk/teach/class-clips-video/articles/zk9ygwx

Corbett Maths also has a great range of videos, worksheets and practise questions. https://corbettmaths.com/contents/

There are also lots of games on the **Topmarks** website to practise this skill and others https://www.topmarks.co.uk/maths-games/7-11-years/fractions-and-decimals

FDP: percentages to decimals Video 121 Practice Questions Textbook Exercise

FDP: percentages to fractions Video 122 Practice Questions Textbook Exercise

FDP: decimals to fractions Video 123 Practice Questions Textbook Exercise

FDP: decimals to fractions (calc) Video 124 Practice Questions Textbook Exercise

FDP: decimals to percentages Video 125 Practice Questions Textbook Exercise

FDP: fractions to percentages Video 126 Practice Questions Textbook Exercise

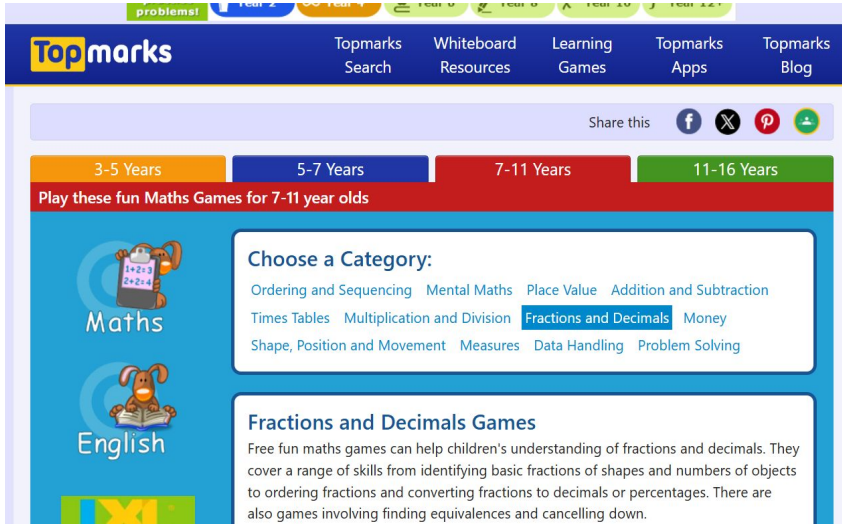
FDP: fractions to decimals Video 127 Practice Questions Textbook Exercise

FDP: fractions to decimals (calc) Video 128 Practice Questions Textbook Exercise

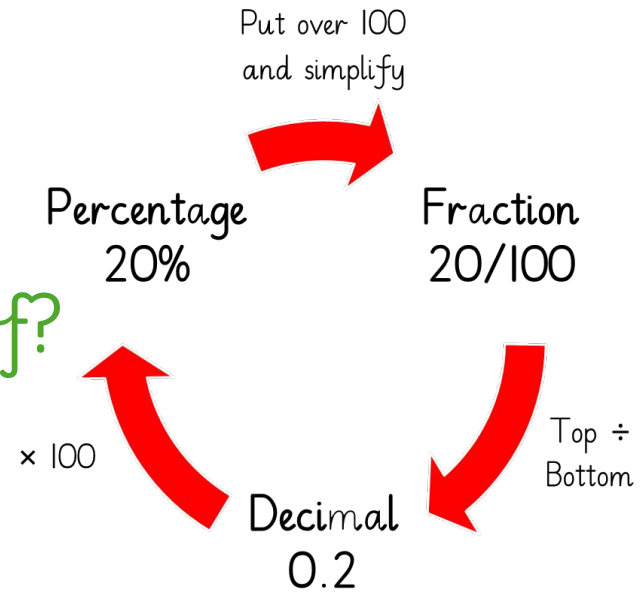
FDP: key equivalents Video 129 Practice Questions Textbook Exercise

FDP: mixture Video 130 Practice Questions Textbook Exercise

FDP: ordering Video 131 Practice Questions Textbook Exercise



Let's show what we know!

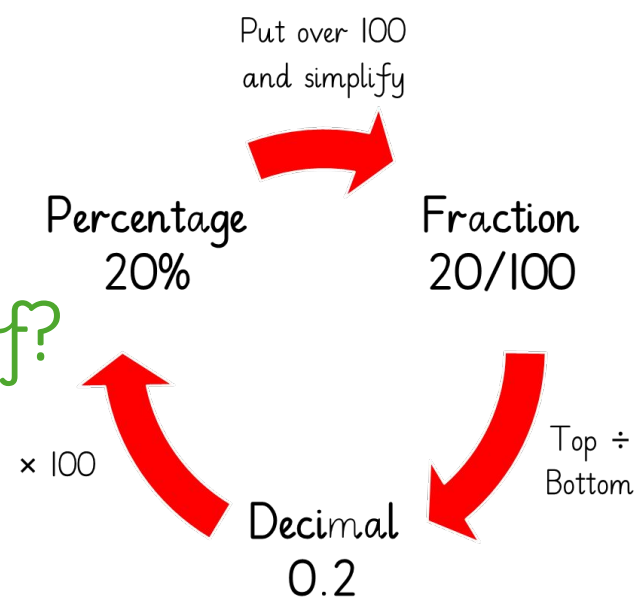


Challenge: what other equivalents can you think of?

	Decimal Fraction	Simplified Fraction	Decimal	Percentage
1	5/10			
2		3/5		
3			0.4	
4				75%

Let's show what we know!

Challenge: what other equivalents can you think of?



	Decimal Fraction	Simplified Fraction	Decimal	Percentage
1	5/10			
2		3/5		
3			0.4	
4				75%

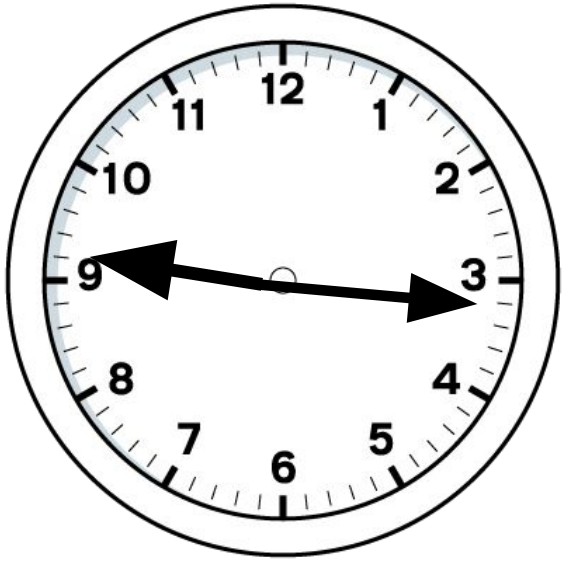
Reflective Rick / Flashback Four Tasks

These are used at the start of every lesson to access prior learning – skills and methods taught earlier in the school year.

Flashback 4

Year 6 | Week 2 | Day 1

White Rose MATHS



1) On a scale diagram, 6 cm represents 1 m. What does 72 cm represent?

2) Write the ratio of blue to green to yellow.

B	B	G	G	G	Y

3) Choose the most appropriate estimate for the mass of a banana.

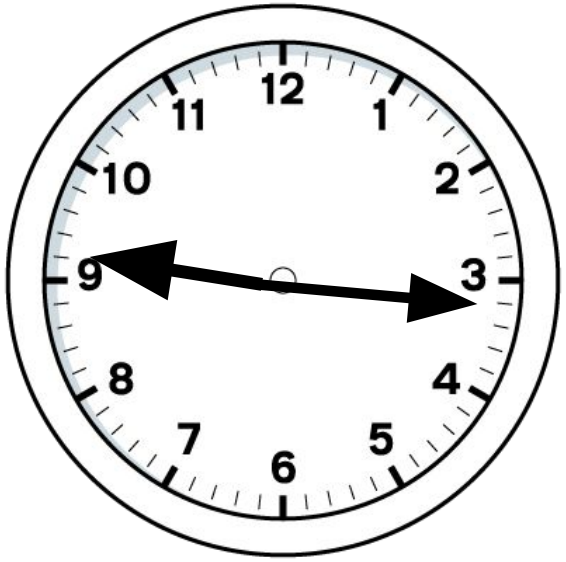
1 g	10 g	100 g	1 kg

4) $19 \times 472 =$ ☐

Flashback 4

Year 6 | Week 2 | Day 1

White Rose MATHS



09:16

1) On a scale diagram, 6 cm represents 1 m.
What does 72 cm represent? 12 m

2) Write the ratio of blue to green to yellow.

B	B	G	G	G	Y

2 : 3 : 1

3) Choose the most appropriate estimate for the mass of a banana.

1 g	10 g	100 g	1 kg

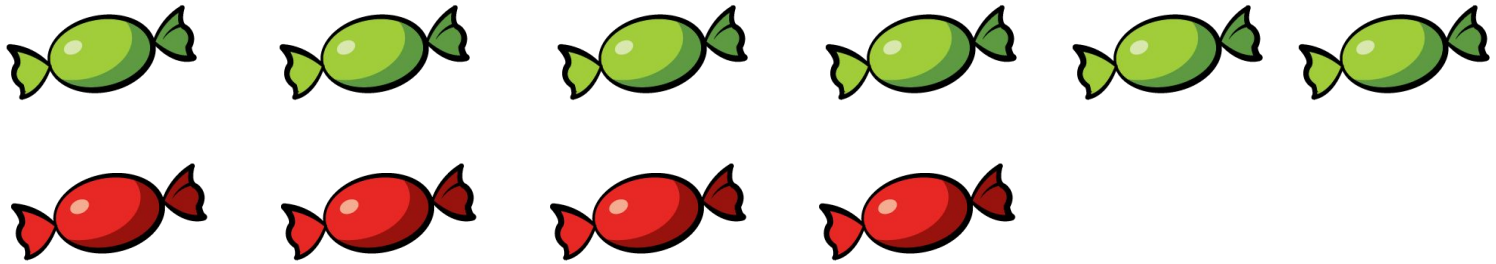
4) $19 \times 472 =$ 8,968

Assessment For Learning

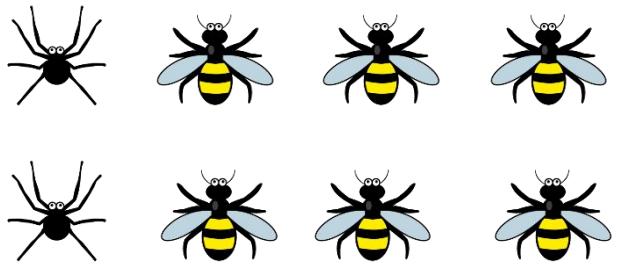
As we move into the learning for the day, we pose a few more questions – checking knowledge which will be needed for the learning ahead.

Assessment for Learning

1) For every 6 green sweets there are __ red sweets.



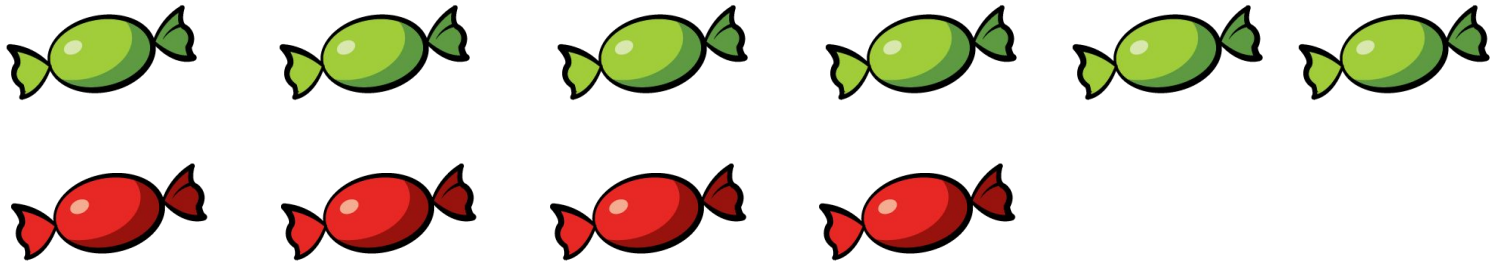
2) For every 2 spiders there are __ bees.



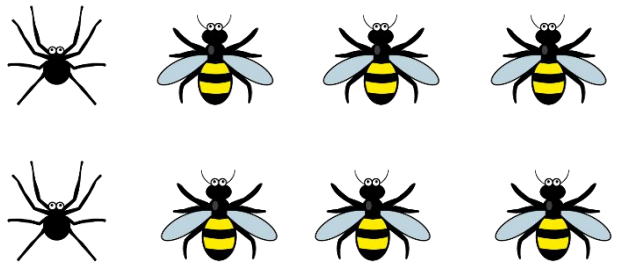
For every 1 spider there are __ bees.

Assessment for Learning

1) For every 6 green sweets there are 4 red sweets.



2) For every 2 spiders there are 6 bees.



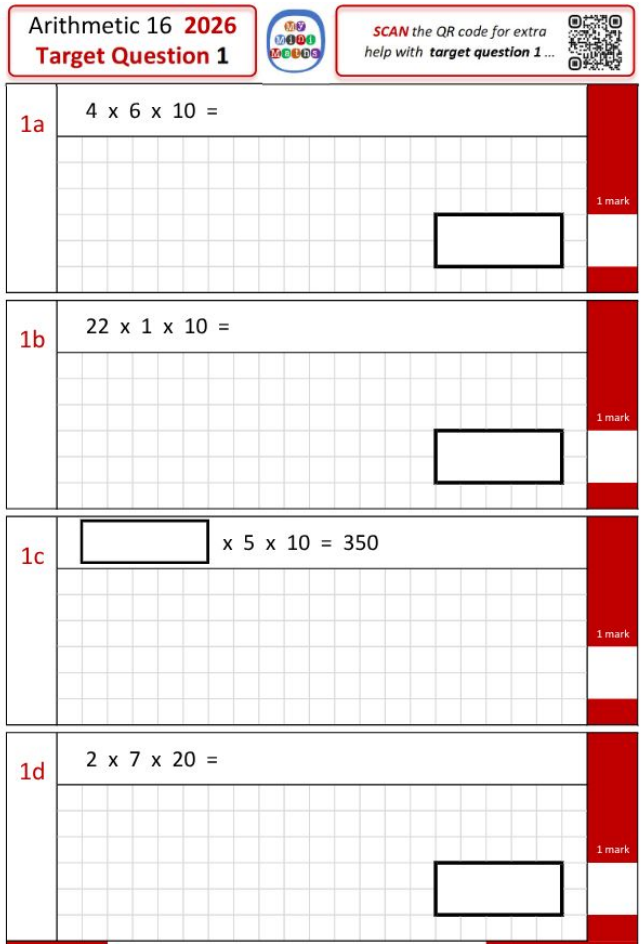
For every 1 spider there are 3 bees.

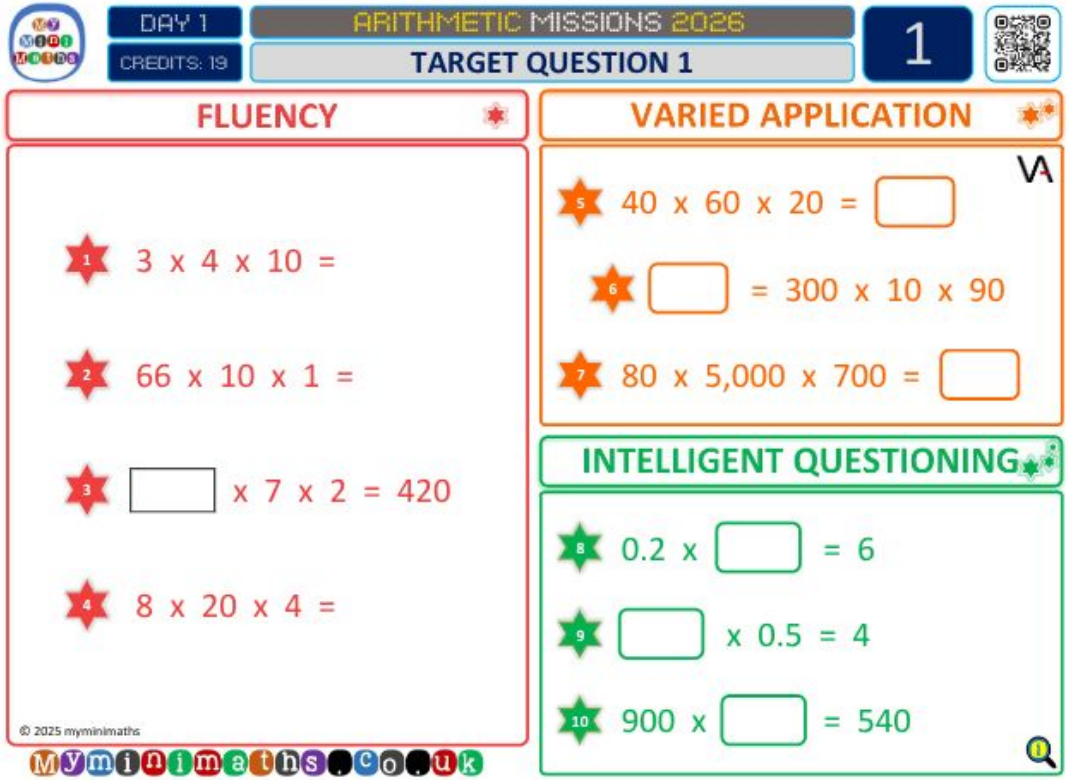
Main Learning

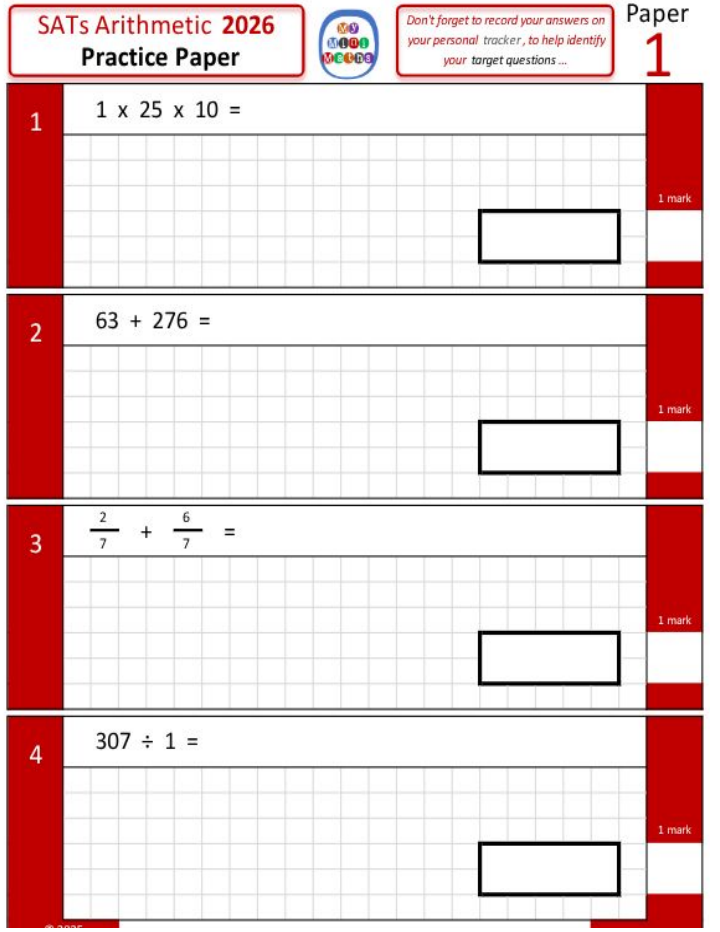
After completing this, we then know who is ready to move on to the days learning or who may need more support.

MyminiMaths

To improve understanding, confidence and fluency of arithmetic, we use these resources in the classroom (during Key Skills and Arithmetic Tests) and interventions.

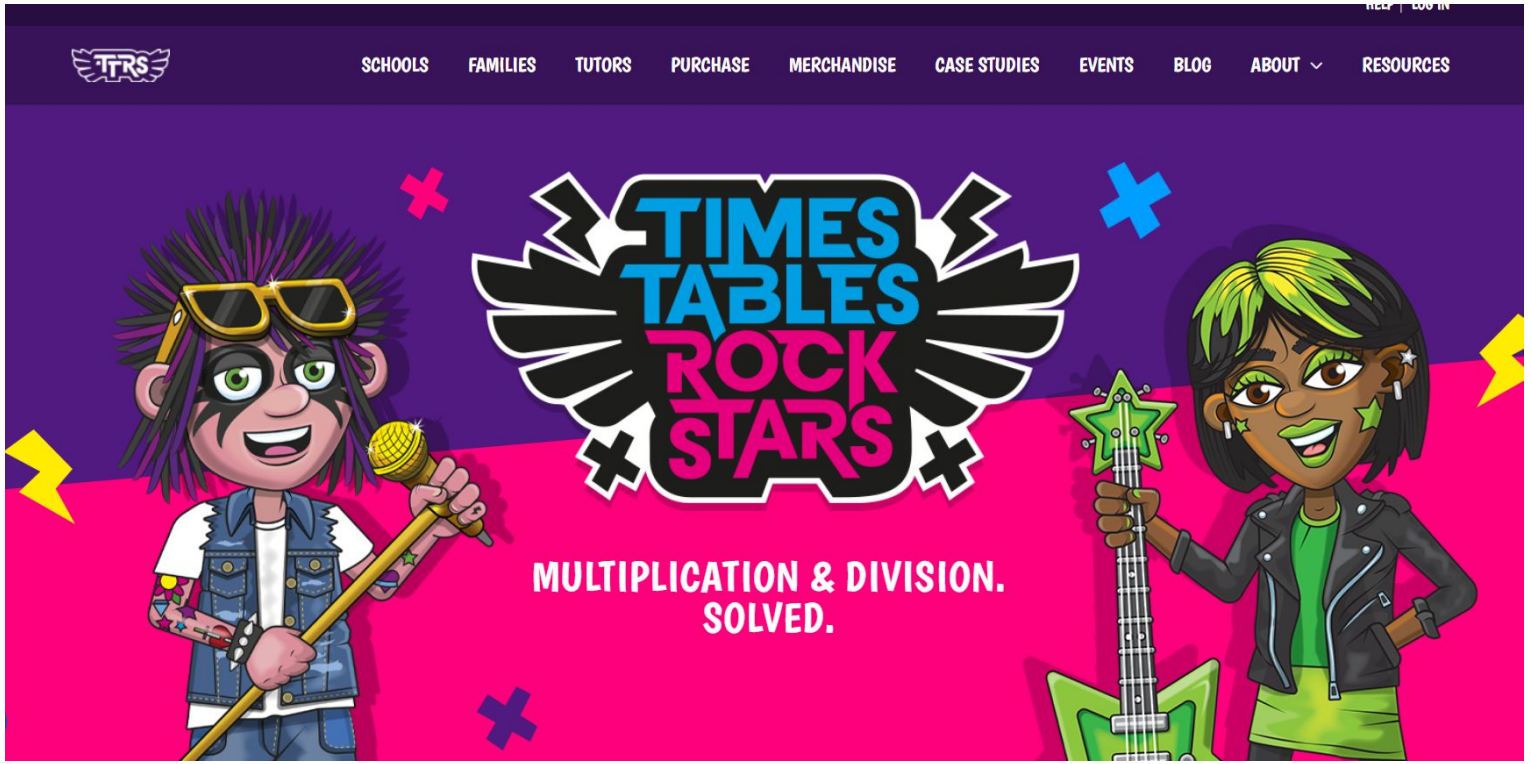






Helpful websites to consolidate learning

www.ttrockstars.com



Helpful websites to consolidate learning

www.mathsbot.com
Primary > KS2 Arithmetic Paper(compact)

Work out on paper
Type in the answers
'MARK' (tab at the top)

If an answer is wrong, and you'd like to practise, click the number of the question (1,4,9 etc- they will turn green)
Click 'NEW' and it will create an arithmetic paper with just these questions.

Helpful websites to consolidate learning

Mathsbot.com

New | 36 | Reset | Mark | 0/36 | Answers | Print

1	$782 + 788 + 3577 =$ ☐	◯	19	$692 \times 16 =$ ☐	◯
2	$753 \times 1 =$ ☐	◯	20	$48.27 \times 100 =$ ☐	◯
3	☐ $+ 30 = 620$	◯	21	$1\frac{4}{5} + 1\frac{1}{5} =$ ☐	◯
4	$9200 \div 2 =$ ☐	◯	22	$\frac{3}{5}$ of $40 =$ ☐	◯
5	☐ $+ 20 = 155$	◯	23	$9 -$ ☐ $= 4.771$	◯
6	$6.84 + 8.3 =$ ☐	◯	24	$\frac{1}{8} \div 3 =$ ☐	◯
7	$420 \div 7 =$ ☐	◯	25	$\frac{1}{3} + \frac{1}{4} =$ ☐	◯
8	$3521 \div 7 =$ ☐	◯	26	$39 - 5.604 =$ ☐	◯
9	$9948 - 5115 =$ ☐	◯	27	40% of $5200 =$ ☐	◯
10	$1105 \times 10 =$ ☐	◯	28	2% of $7000 =$ ☐	◯
11	$200 \div 5 =$ ☐	◯	29	$13 \times 1.7 =$ ☐	◯
12	$9 \times 7 \times 10 =$ ☐	◯	30	70% of $237 =$ ☐	◯
13	$1200 \div 12 =$ ☐	◯	31	$\frac{4}{7} \times \frac{4}{7} =$ ☐	◯
14	$300000 - 300 =$ ☐	◯	32	$4\frac{1}{5} - \frac{3}{6} =$ ☐	◯
15	☐ $= 937 \times 8$	◯	33	$2760 \div 92 =$ ☐	◯

Helpful websites to consolidate learning

www.corbettmathsprimary.com

Scroll down to VIDEOS

Each skill has a video to watch where the method is clearly explained.

There are then practise questions and answers to check your learning.

Helpful websites to consolidate learning

www.topmarks.co.uk/Search.aspx?Subject=16&AgeGroup=3