

Monday – fractions of amounts

1.

Work out $\frac{1}{4}$ of 24

2.

Work out $\frac{1}{3}$ of 18

3.

Work out $\frac{1}{5}$ of 60

4.

Work out $\frac{2}{3}$ of 15

5.

Work out $\frac{3}{4}$ of 36

6.

Work out $\frac{2}{5}$ of 40

8. James has 20 sweets.

$\frac{3}{4}$ of the sweets are red.



How many sweets are red?

9. In a class, there are 27 children.

$\frac{2}{9}$ of the children wear glasses.

How many children **do not** wear glasses?

10. Raphael has a book with 120 page.

He has read $\frac{3}{5}$ of the pages in his book.

How many pages has Raphael read?

11. On Saturday, Victoria slept for $\frac{3}{8}$ of the day.



How many hours did Victoria sleep on Saturday?

12. Declan has £3,000

He puts $\frac{2}{5}$ of the money in the bank.

How much money did Declan put in the bank?

Monday – challenge question

Shane has saved £450

He spends $\frac{1}{5}$ of the £450 on a new tyre for his car.

He spends $\frac{2}{3}$ of the £450 on a new guitar.

How much money does Shane have left?

Write your own multi-step fractions of amounts question like the one above.

Tuesday – Fractions of amounts – 'find the original'

1. Harry thinks of a **whole** number.

He works out **one-quarter** of the number.

The result is 20.

What was the number that Harry started with?

2. $\frac{1}{3}$ of the children in a class have brown hair.

7 children in the class have brown hair.

How many children are in the class?

3. Jackson is $\frac{1}{5}$ of Sam's age.

Jackson is 12 years old.

How old is Sam?

4. In Year 6, $\frac{3}{4}$ of the children are right handed.

There are 16 children that are left handed in Year 6.

How many children are in Year 6?

5. Write a set of questions that use the same model of 'finding the original'. Draw bar models to prove that they can be solved.

Tuesday – challenge questions

5. Kyle had some money.

He spent £12.50 on a ticket to a football match.

He spent £6 on a scarf.

He has **two-thirds** of his money left.

How much money did Kyle have to **start with**?

6. Rebecca is $\frac{1}{3}$ of Barry's age.

Barry is $\frac{1}{6}$ of Neville's age.

Rebecca is 4 years old.



How old is Neville?

Mike got 25% of the questions right on a test.



What fraction of the questions did he get right?

Fill in the missing values

Fraction	Decimal	Percentage
$\frac{1}{2}$	0.5	
	0.25	25%
$\frac{1}{5}$		20%
$\frac{1}{10}$	0.1	

Write $\frac{2}{5}$ as a decimal

Write 30% as a fraction

During a day Madeleine slept for 6 hours

What percentage of the day is Madeleine awake?

In a school, $\frac{2}{5}$ of the children wear glasses.

What fraction of the children **do not** wear glasses?

What percentage of the children **do not** wear glasses?

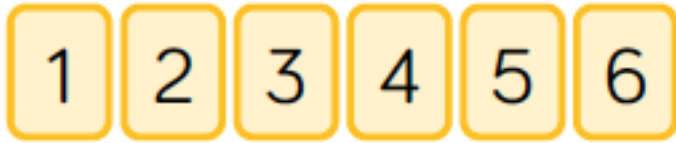
Danny scored 9 out of 10 in a quiz



What percentage of the questions did Danny answer correctly?

Wednesday – challenge

Make as many fractions as you can from these digit cards:



How many of the fractions that you have made can you convert to a percentage?