Interpret and solve word problems involving fractions of numbers.   (sheet 1)

1

600ml
400ml
200ml

Nick poured out $\frac{2}{3}$ of the water from this beaker.

How much water did he pour out?

2 Shade $\frac{3}{5}$ of this shape.

3

Gabs had **£1.20** in her purse.

She spent $\frac{3}{4}$ of her money on sweets.

How much money did she spend?

4

There are **30** children in Class 6.

$\frac{2}{5}$ of them are **girls**.

How many **girls** are there in Class 6?

5

There are **120** children at Tysoe School.

$\frac{3}{10}$ of them have school dinners.

How many children have school dinners?

6

Adam has **£80** in his bank account.

He spends $\frac{3}{8}$ of his money on a computer game.

How much money is **left** in his bank account?

1

600ml

400ml

200ml

Nick poured out $\frac{2}{5}$ of the water from this beaker.

How much water did he pour out?

2 Shade $\frac{3}{5}$ of this shape.

3

Gabs had **£1.40** in her purse.

She spent $\frac{3}{4}$ of her money on sweets.

How much money did she spend?

4

There are **32** children in Class 6.

$\frac{5}{8}$ of them are **girls**.

How many **girls** are there in Class 6?

5

There are **144** children at Tysoe School.

$\frac{7}{12}$ of them have school dinners.

How many children have school dinners?

6

Adam has **£80** in his bank account.

He spends $\frac{3}{5}$ of his money on a computer game.

How much money is **left** in his bank account?

1

600ml

400ml

200ml

Nick poured out $\frac{3}{4}$ of the water from this beaker.

How much water did he pour out?

2

Shade $\frac{3}{5}$ of this shape.

3

Gabs had **£1.68** in her purse.

She spent $\frac{3}{8}$ of her money on sweets.

How much money is left in her purse?

4

There are **732** children at Kineton High.

$\frac{5}{12}$ of them are **girls**.

How many **boys** are there at Kineton High?

5

A full bottle of juice contains 650ml.

$\frac{1}{4}$ of the juice has been drunk.

How much juice is left in the bottle?

6

Adam has **£97.60** in his bank account.

He spends $\frac{3}{8}$ of his money on a computer game.

How much money is **left** in his bank account?

Useful interactive games to teach finding fractions of numbers.

$\frac{3}{4}$ of 28 = ?

28

$\frac{1}{4}$
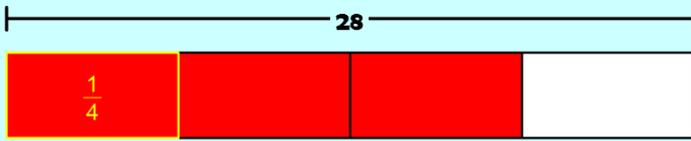
http://mathsframe.co.uk/en/resources/resource/144/fractions_of_numbers

Uses a bar to guide you through finding unit fractions and then multi-part fractions of numbers.

$\frac{2}{3}$ of (?) = 10

?

$\frac{1}{3}$

?

10
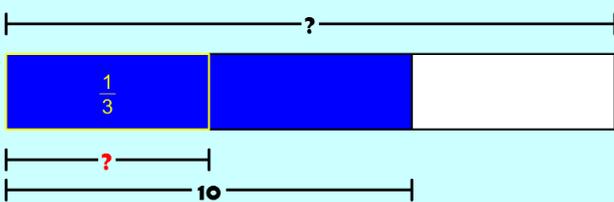
http://mathsframe.co.uk/en/resources/resource/145/fractions_of_unknown_numbers

Uses a bar to give a visual representation of the steps needed to find a number when given a fraction of that number.

http://mathsframe.co.uk/en/resources/resource/264/Crystal_crash_fractions_numbers

Find a fraction of a number and then throw your pickaxe at the correct answer. Lots of choice of level.

http://mathsframe.co.uk/en/resources/resource/285/Fractions_of_Numbers_Mine_Mayhem

Find a fraction of a number and then shoot the mine with the correct answer. Lots of choice of level.
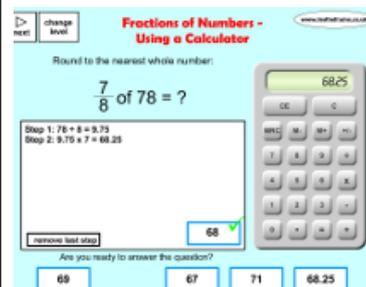
http://mathsframe.co.uk/en/resources/resource/204/fractions_of_numbers__calculator

Use a calculator to find a fraction of a number.

$\frac{7}{8}$ of 78 = ?

There are many more games that help develop an understanding of fractions, decimals and percentages here:

http://mathsframe.co.uk/en/resources/category/18/fractions_decimals_and_percentages

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Answers:

Sheet 1: 1) 200ml	2) 9 triangles shaded	3) 90p	4) 12	5) 36	6) £50
Sheet 2: 1) 120ml	2) 9 triangles shaded	3) £1.05	4) 20	5) 84	6) £32
Sheet 3: 1) 225ml	2) 9 triangles shaded	3) 63p	4) 305	5) 487.5ml	6) £61