6 FRACTIONS (B)

White Rose Maths

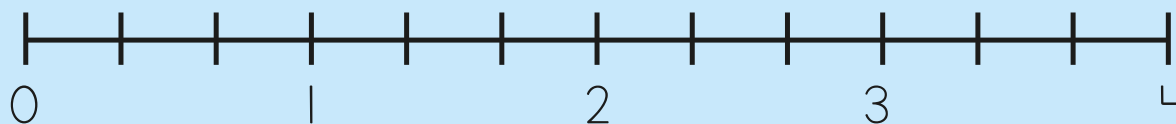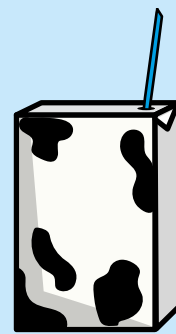**1** A carton contains $\frac{2}{3}$ of a litre of milk.

How much milk is in 6 cartons?

You may use the number line to help you.

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├──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┤
0        1           2           3           4
```

litres

2 Work out $\frac{1}{2} \times \frac{1}{4}$

You may use the diagram to help you.
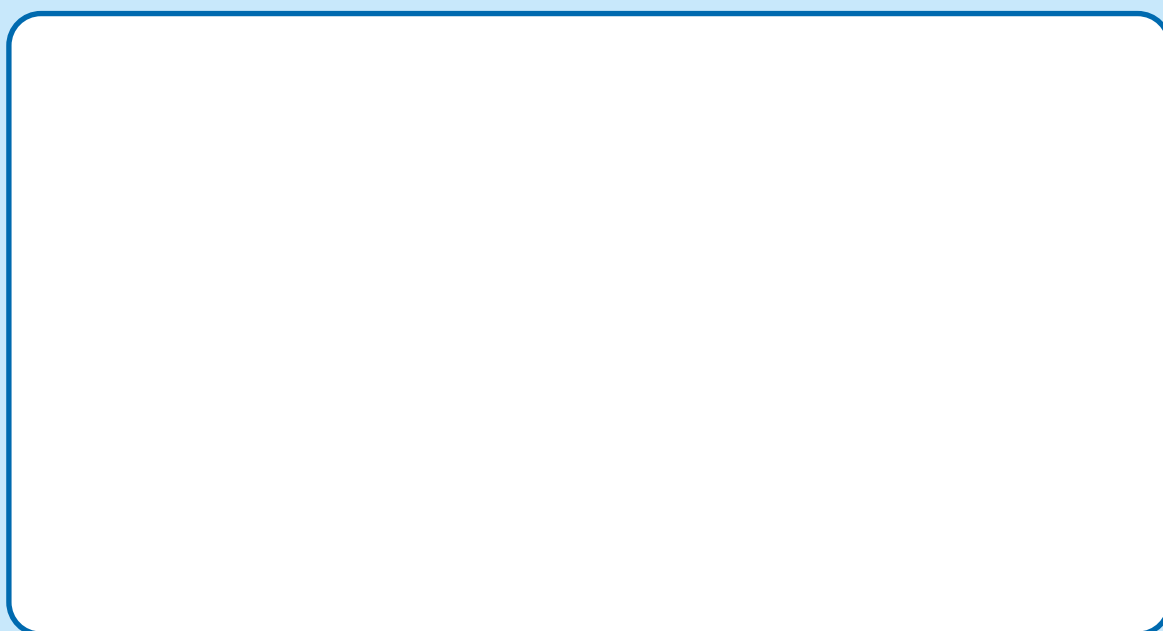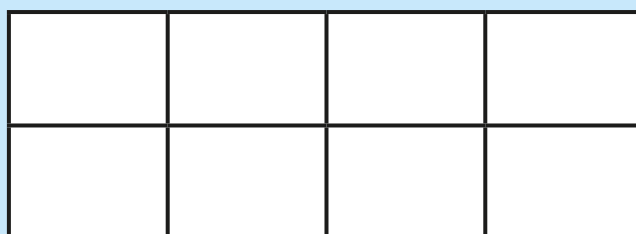
3 What is $1\frac{3}{4} \times 5$

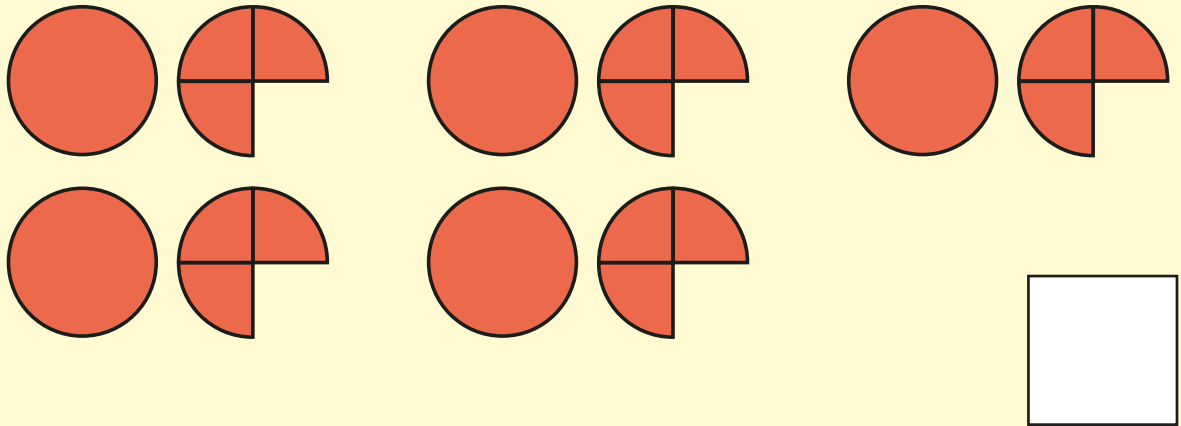You may use the images to help you.

4 Work out the missing values.

$$10 \times \frac{1}{5} = \frac{\boxed{}}{5}$$

$$10 \times \frac{\boxed{}}{6} = \frac{50}{6}$$

$$10 \times \frac{\boxed{}}{7} = 8\frac{4}{7}$$

$$10 \times \frac{1}{\boxed{}} = 5$$
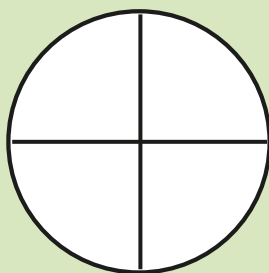
5 A bag contains 300 counters.

$\frac{1}{3}$ of the counters are red.

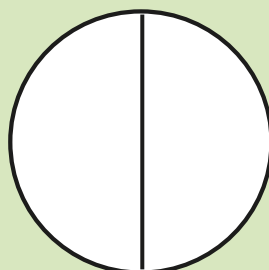$\frac{1}{6}$ of the counters are blue.

How many more red counters than blue counters are there?

6 Use the diagram to show that $\frac{1}{4} \div 2$ is equal to $\frac{1}{8}$
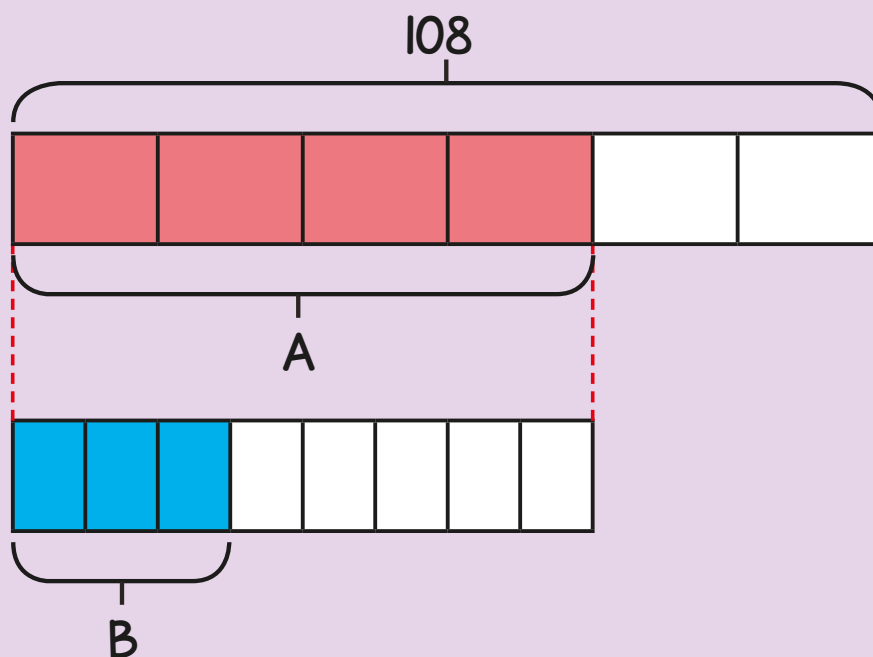
What is $\frac{1}{2} \div 6$?

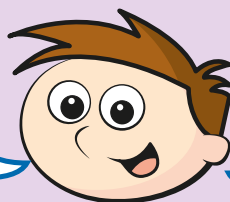What is $\frac{2}{5} \div 4$?

7

108

A

B

What is the value of A?

What is the value of B?

8

From Monday to Wednesday, I row $3\frac{1}{4}$ km each day.

From Thursday to Saturday, I row $5\frac{3}{8}$ km each day.

How far does Teddy row in total from Monday to Saturday? Show all your workings.

9 Dora spends $\frac{2}{5}$ of her money.

She has £60 left.

How much money did she start with?

10 $\frac{3}{7}$ of $\frac{1}{4}$ of a number is equal to 9

What is the number?

Answers

1 4 litres

2 $\frac{1}{8}$

3 $8\frac{3}{4}$

4
$10 \times \frac{1}{5} = \frac{\boxed{10}}{5}$ $10 \times \frac{\boxed{5}}{6} = \frac{50}{6}$

$10 \times \frac{\boxed{6}}{7} = 8\frac{4}{7}$ $10 \times \frac{1}{\boxed{2}} = 5$

5 50 more counters

6

$\frac{1}{12}$

$\frac{1}{10}$

7 A = 72
B = 27

8 $25\frac{7}{8}$ km

9 £100

10 84