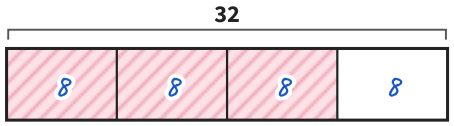
Finding a fraction of an amount

ANSWERS

1

Work out $\frac{3}{4}$ of 32.



Divide by the bottom. Multiply by the top.

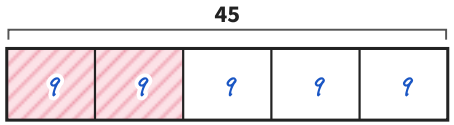
32 ÷ 4 = 8

8 × 3 = 24

Answer 24

2

Work out $\frac{2}{5}$ of 45.



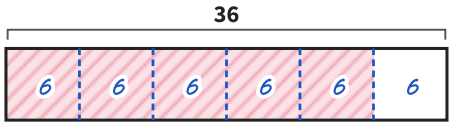
45 ÷ 5 = 9

9 × 2 = 18

Answer 18

3

Work out $\frac{5}{6}$ of 36.



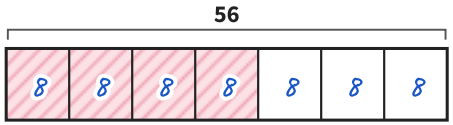
36 ÷ 6 = 6

6 × 5 = 30

Answer 30

4

Work out $\frac{4}{7}$ of 56.



56 ÷ 7 = 8

8 × 4 = 32

Answer 32

5

A coat costs £80. In a sale, $\frac{3}{8}$ of the price is taken off. How much money is taken off?

£80 ÷ 8 = £10, £10 × 3 = £30

Answer £30

6

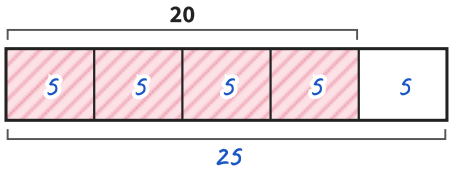
Work out $\frac{3}{4}$ of 2 m. Give your answer in centimetres.

2 m = 200 cm, 200 ÷ 4 = 50, 50 × 3

Answer 150 cm

7

$\frac{4}{5}$ of a number is 20. Ola says the number is 16. Explain why Ola must be wrong. Then find the number.



16 is less than 20, 20 ÷ 4 = 5, 5 × 5

Answer 25

8

Which is bigger, $\frac{2}{3}$ of 45 or $\frac{3}{5}$ of 55? Show how you know.

45 ÷ 3 × 2 = 30, 55 ÷ 5 × 3 = 33

Answer $\frac{3}{5}$ of 55

Finding a fraction of an amount *further practice*

ANSWERS

9

Work out $\frac{5}{8}$ of 72.

72 ÷ 8 = 9, 9 × 5

Answer *45*

10

A bus has 56 seats. $\frac{1}{7}$ of the seats are empty. How many seats are taken?

56 ÷ 7 = 8 empty, 56 − 8

Answer *48 seats*

11

A 3 litre jug is $\frac{2}{5}$ full of water.
How many millilitres of water are in the jug?

3000 ml ÷ 5 = 600 ml, 600 × 2

Answer *1200 ml*

12

How many minutes are there in $\frac{5}{6}$ of an hour?

60 ÷ 6 = 10, 10 × 5

Answer *50 minutes*

13

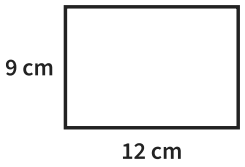
$\frac{3}{8}$ of the members of a chess club are in Year 9. There are 15 members in Year 9. How many members does the club have?

15 ÷ 3 = 5, 5 × 8

Answer *40 members*

14

$\frac{2}{3}$ of this rectangle is painted.
What area is painted?



12 × 9 = 108, 108 ÷ 3 × 2

Answer *72 cm²*

15

Rhys has £60. He spends $\frac{1}{4}$ of it on a ticket and $\frac{2}{5}$ of it on food.
How much money does he have left?

£15 + £24 = £39, £60 − £39

Answer *£21*

16

Ali says $\frac{3}{5}$ of 40 is bigger than $\frac{3}{4}$ of 40, because 5 is bigger than 4.
Is he right? Explain.

40 ÷ 5 × 3 = 24, 40 ÷ 4 × 3 = 30

Answer *No, $\frac{3}{4}$ of 40 is bigger*