

Year 4: Fractions of amounts: answers

Year 4 - Fractions - Lesson 5.2

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-4/ch05-fractions/fractions-of-amounts/

Exercise 5B Fractions of amounts

Non-calculator

1 Quick-fire! Find each unit fraction of the number.

(a) $\frac{1}{2}$ of 18 =

Answer: 9

(b) $\frac{1}{3}$ of 24 =

Answer: 8

(c) $\frac{1}{4}$ of 32 =

Answer: 8

(d) $\frac{1}{5}$ of 45 =

Answer: 9

(e) $\frac{1}{10}$ of 70 =

Answer: 7

(f) $\frac{1}{6}$ of 42 =

Answer: 7

2 Use the groups of counters to help you. Work out the fraction of the number.

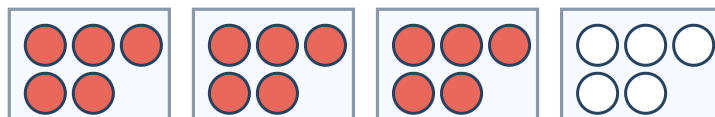
(a)



$\frac{1}{3}$ of 12 =

Answer: 4

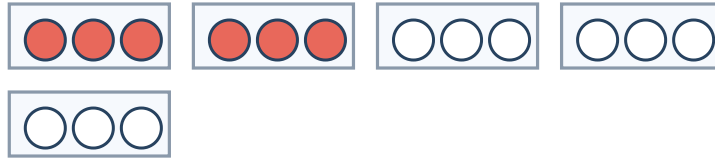
(b)



$\frac{3}{4}$ of 20 =

Answer: 15

(c)



$\frac{2}{5}$ of 15 =

Answer: 6

3 Quick-fire! Find each fraction of the number.

(a) $\frac{2}{3}$ of 12 =

Answer: 8

(b) $\frac{3}{4}$ of 16 =

Answer: 12

(c) $\frac{4}{5}$ of 25 =

Answer: 20

(d) $\frac{3}{10}$ of 40 =

Answer: 12

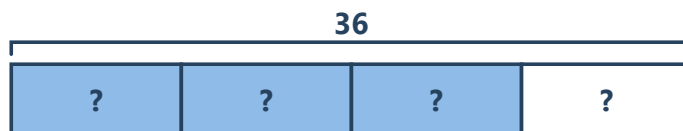
(e) $\frac{5}{6}$ of 18 =

Answer: 15

(f) $\frac{7}{8}$ of 24 =

Answer: 21

4 The bar shows 36 split into quarters.



(a) What is $\frac{1}{4}$ of 36?

Answer: 9

(b) What is $\frac{3}{4}$ of 36?

Answer: 27

5 Find the amounts of money.

(a) $\frac{1}{2}$ of £18 =

Answer: £9

(b) $\frac{3}{5}$ of £45 =

Answer: £27

(c) $\frac{3}{10}$ of £80 =

Answer: £24

(d) $\frac{2}{5}$ of 60p =

Answer: 24p

6 Find the amounts. Remember the units in your answers.

(a) $\frac{1}{5}$ of 40 cm =

Answer: 8 cm

(b) $\frac{3}{4}$ of 24 litres =

Answer: 18 litres

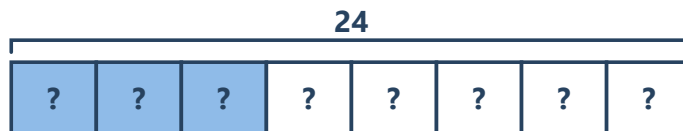
(c) $\frac{2}{3}$ of 30 minutes =

Answer: 20 minutes

(d) $\frac{5}{8}$ of 64 g =

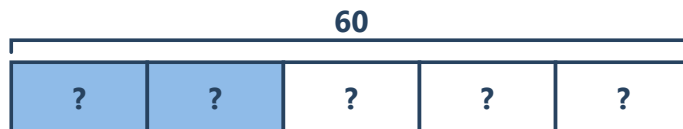
Answer: 40 g

7 There are 24 children in a class. $\frac{3}{8}$ of them walk to school. How many children walk to school?



Answer: 9

8 Mei's book has 60 pages. She has read $\frac{2}{5}$ of the book. How many pages has she **not** read yet?



Answer: 36

9 A school trip costs £48. A parent pays $\frac{1}{4}$ of the cost in the first week. How much do they pay in the first week?

Answer: £12

10 Leo has £60. He spends $\frac{1}{3}$ of it on a book and $\frac{1}{4}$ of it on lunch. How much money does Leo have left?

Answer: £25

11 A baker makes 48 rolls. $\frac{1}{4}$ of the rolls are chocolate. $\frac{1}{3}$ of the rolls are plain. The rest are cheese. How many rolls are cheese?

Answer: 20

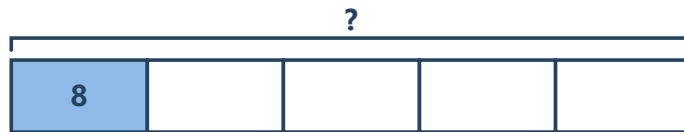
- 12** Which is more: $\frac{3}{5}$ of 20 or $\frac{1}{2}$ of 30? Show how you know.

Answer: $\frac{1}{2}$ of 30

- 13** Jack works out $\frac{3}{5}$ of 20. He says the answer is $20 \div 3$. What mistake has he made? Work out the correct answer.

Answer: 12

- 14** $\frac{1}{5}$ of a number is 8. What is the number?

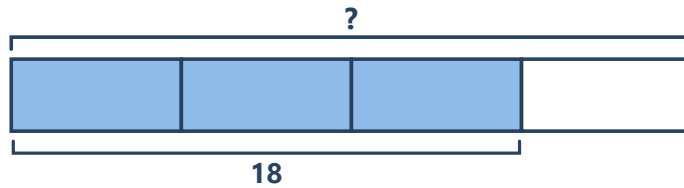


Answer: 40

- 15** Always, sometimes or never? Half of an even number is a whole number.

Answer: Always

- 16** $\frac{3}{4}$ of a number is 18. What is the number? (Hint: 3 quarters make 18. Find one quarter first.)



Answer: 24