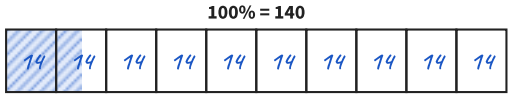
Percentage of an amount

ANSWERS

1

Find 15% of 140



10% 140 ÷ 10 = 14

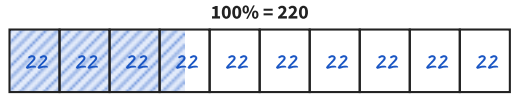
Build 10% = 14 + 5% = 7

Add 14 + 7 = 21

Answer 21

2

Find 35% of 220



10% 220 ÷ 10 = 22

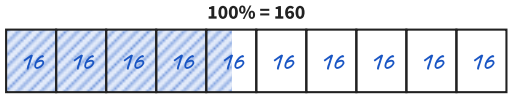
Build 30% = 66 + 5% = 11

Add 66 + 11 = 77

Answer 77

3

Find 45% of 160



10% 160 ÷ 10 = 16

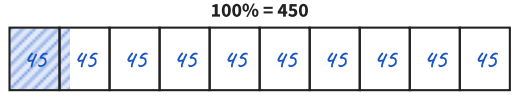
Build 40% = 64 + 5% = 8

Add 64 + 8 = 72

Answer 72

4

Find 12% of 450



10% 450 ÷ 10 = 45

Build 1% = 4.5, so 2% = 9

Add 45 + 9 = 54

Answer 54

5

Find

a) 50% of 84

b) 25% of 84

c) 75% of 84



50% half of 84 = 42

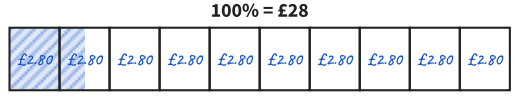
25% half of 42 = 21

75% 3 × 21 = 63

Answer a) 42 b) 21 c) 63

6

A taxi fare is £28. Zoe adds a 15% tip. How much is the tip?



10% £28 ÷ 10 = £2.80

5% £2.80 ÷ 2 = £1.40

Add £2.80 + £1.40

Answer £4.20

7

Kofi finds 5% of 120 like this: 120 ÷ 5 = 24. Explain his mistake, then find 5% of 120.

dividing by 5 finds 20%, not 5%

10% = 120 ÷ 10 = 12

5% = 12 ÷ 2

Answer 6

8

Which is bigger, 35% of 40 or 30% of 45? Show your working.

35% of 40 = 12 + 2 = 14

30% of 45 = 3 × 4.5 = 13.5

Answer 35% of 40

Percentage of an amount *further practice*

ANSWERS

9

Find 65% of 140

10% = 14, so 60% = 84

5% = 7

Answer 91

10

A games controller costs £45 plus VAT at 20%. Work out the price including VAT.

10% = £4.50

20% = £9

£45 + £9

Answer £54

11

A bag of flour holds 850 g. 4% of the flour is protein. How many grams of protein is that?

1% = 850 ÷ 100 = 8.5 g

4% = 4 × 8.5

Answer 34 g

12

Use a calculator for this question.
Find 23% of 460 using a multiplier.

23% = 23 ÷ 100 = 0.23

0.23 × 460

Answer 105.8

13

10% of a number is 14. Work out 35% of the same number.

30% = 3 × 14 = 42

5% = 14 ÷ 2 = 7

Answer 49

14

A tent costs £96 in shop A, with 25% off. The same tent costs £80 in shop B, with 15% off. Which shop is cheaper, and by how much?

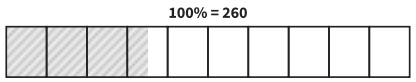
A: 25% = £24, £96 – £24 = £72

B: 15% = £12, £80 – £12 = £68

Answer Shop B, by £4

15

What percentage of the bar is shaded? Work out what the shaded part is worth.



35% shaded

30% = 78, 5% = 13

Answer 35%, 91

16

Amir says 20% of 45 is the same as 45% of 20. Is he right? Show how you know.

20% of 45 = 2 × 4.5 = 9

45% of 20 = 8 + 1 = 9

Answer Yes, both are 9