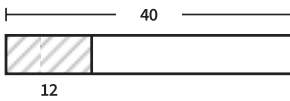


One Number as a Percentage of Another

ANSWERS 

1

Write 12 as a percentage of 40.



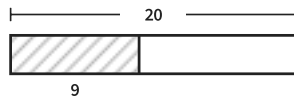
the part over the whole

$$\frac{12}{40} \times 100 = 30\%$$

Answer 30%

2

Write 9 as a percentage of 20.



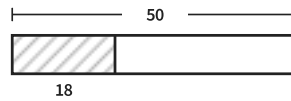
the part over the whole

$$\frac{9}{20} \times 100 = 45\%$$

Answer 45%

3

Write 18 as a percentage of 50.



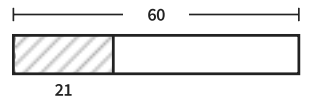
the part over the whole

$$\frac{18}{50} \times 100 = 36\%$$

Answer 36%

4

Write 21 as a percentage of 60.



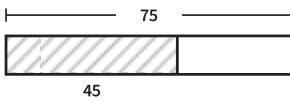
the part over the whole

$$\frac{21}{60} \times 100 = 35\%$$

Answer 35%

5

Write 45 as a percentage of 75.

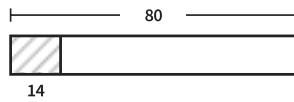


$$\frac{45}{75} \times 100 = 60\%$$

Answer 60%

6

Write 14 as a percentage of 80.



$$\frac{14}{80} \times 100 = 17.5\%$$

Answer 17.5%

7

Sam scores 34 out of 40 in a test. What percentage is this?

$$34 \div 40 \times 100$$

Answer 85%

8

A 250 g cereal bar contains 45 g of sugar. What percentage of the bar is sugar?

$$45 \div 250 \times 100$$

Answer 18%

One Number as a Percentage of Another *further practice*

ANSWERS 

9

Write 27 as a percentage of 120.

$$27 \div 120 \times 100$$

Answer 22.5%

10

Write 13 as a percentage of 70. Give your answer to 1 decimal place.

$$13 \div 70 \times 100 = 18.571...$$

Answer 18.6%

11

Write 350 g as a percentage of 2 kg.

$$2 \text{ kg} = 2000 \text{ g}, 350 \div 2000 \times 100$$

Answer 17.5%

12

A car park has 240 spaces. 168 of the spaces in the car park are taken. What percentage of the spaces are empty?

$$72 \text{ empty}, 72 \div 240 \times 100$$

Answer 30%

13

A sunflower was 40 cm tall. It is now 52 cm tall. Write its height now as a percentage of its height before.

$$52 \div 40 \times 100$$

Answer 130%

14

The price of a pair of trainers goes up from £80 to £92. Write the increase as a percentage of the price before.

$$£12 \text{ increase}, 12 \div 80 \times 100$$

Answer 15%

15

A first aid test is out of 80 marks. To pass you need at least 65% of the marks. Kit scores 51 marks. Does Kit pass? Show how you know.

$$51 \div 80 \times 100 = 63.75\%$$

Answer No, 63.75%

16

18 of the 24 pupils in class A like football. 20 of the 32 pupils in class B like football. Dan says football is more popular in class B because 20 is more than 18. Is Dan right? Explain.

$$A: 75\%, B: 62.5\%$$

Answer No, it is class A