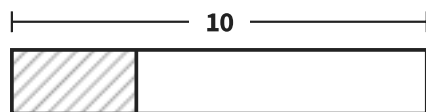


One Number as a Percentage of Another

ANSWERS

1

Write 3 as a percentage of 10.



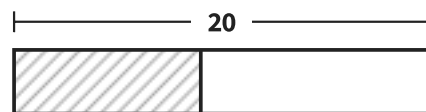
3
30%

$$\frac{3}{10} = \frac{30}{100} = 30\%$$

Diagram showing the conversion of 3/10 to 30/100 by multiplying both numerator and denominator by 10.

2

Write 9 as a percentage of 20.



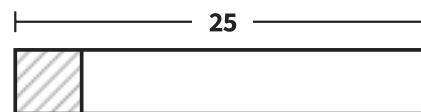
9
45%

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

Diagram showing the conversion of 9/20 to 45/100 by multiplying both numerator and denominator by 5.

3

Write 4 as a percentage of 25.



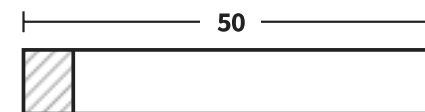
4
16%

$$\frac{4}{25} = \frac{16}{100} = 16\%$$

Diagram showing the conversion of 4/25 to 16/100 by multiplying both numerator and denominator by 4.

4

Write 6 as a percentage of 50.



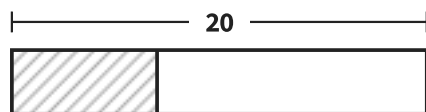
6
12%

$$\frac{6}{50} = \frac{12}{100} = 12\%$$

Diagram showing the conversion of 6/50 to 12/100 by multiplying both numerator and denominator by 2.

5

Write 7 as a percentage of 20.



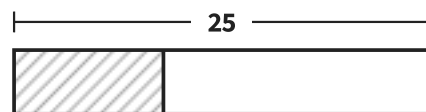
7
35%

$$\frac{7}{20} = \frac{35}{100} = 35\%$$

Diagram showing the conversion of 7/20 to 35/100 by multiplying both numerator and denominator by 5.

6

Write 9 as a percentage of 25.



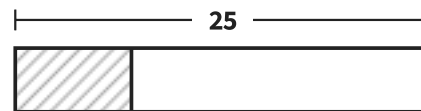
9
36%

$$\frac{9}{25} = \frac{36}{100} = 36\%$$

Diagram showing the conversion of 9/25 to 36/100 by multiplying both numerator and denominator by 4.

7

Mia scores 7 out of 25 in a quiz.
What percentage does she score?



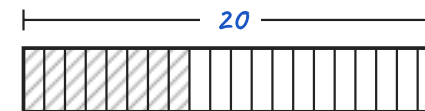
7
28%

$$\frac{7}{25} = \frac{28}{100} = 28\%$$

Diagram showing the conversion of 7/25 to 28/100 by multiplying both numerator and denominator by 4.

8

What percentage of the bar is shaded?



8

$$\frac{8}{20} = \frac{40}{100} = 40\%$$

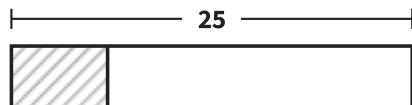
Diagram showing the conversion of 8/20 to 40/100 by multiplying both numerator and denominator by 5.

One Number as a Percentage of Another *further practice*

ANSWERS

9

Write 6 as a percentage of 25.

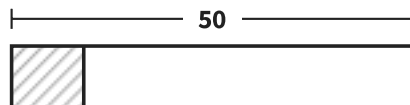


6
24%

$$\frac{6}{25} = \frac{24}{100} = 24\%$$

10

Write 9 out of 50 as a percentage.

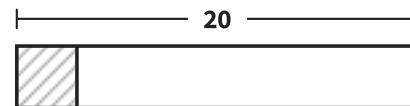


9
18%

$$\frac{9}{50} = \frac{18}{100} = 18\%$$

11

A box has 20 pens. 3 are blue. What percentage are blue?

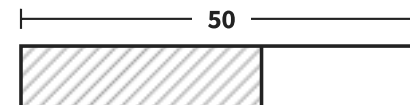


3
15%

$$\frac{3}{20} = \frac{15}{100} = 15\%$$

12

Write 30 as a percentage of 50.

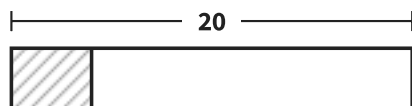


30
60%

$$\frac{30}{50} = \frac{60}{100} = 60\%$$

13

A team plays 20 games. It wins 4. What percentage of its games does it win?



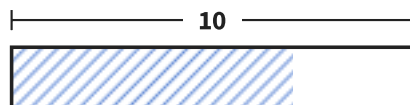
4
20%

$$4/20 = 20/100 = 20\%$$

Answer 20%

14

A bag has 10 sweets. 3 are red. What percentage are not red?



70%

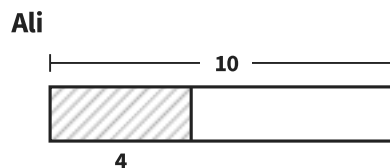
$$10 - 3 = 7 \text{ not red}$$

$$7/10 = 70/100 = 70\%$$

Answer 70%

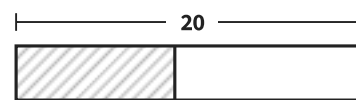
15

Ali scores 4 out of 10. Bea scores 9 out of 20. Who has the higher percentage?



4

Bea

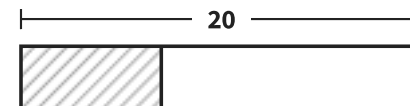


9

Answer Bea, 45% > 40%

16

Kim says 7 out of 20 is 7%. What has she done wrong?



7
35%

Kim needs the whole to be

$$100 \text{ first. } 7/20 = 35/100$$

Right answer 35%