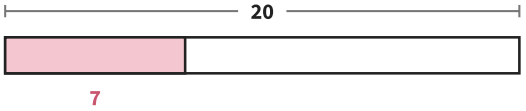
One number as a percentage of another

1

Write 7 as a percentage of 20.

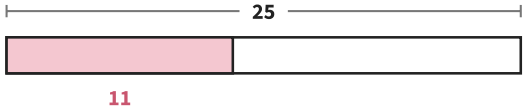


Out of 100 $\frac{7}{20} \times 5 = \frac{\square}{100} = \square\ \%$

Answer _____

2

Write 11 as a percentage of 25.

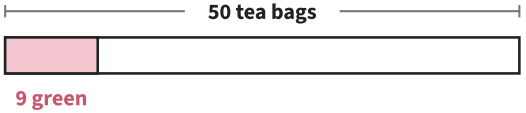


Out of 100 $\frac{11}{25} \times \frac{\square}{100} = \square\ \%$

Answer _____

3

A box holds 50 tea bags. 9 of them are green tea. What percentage of the tea bags are green tea?

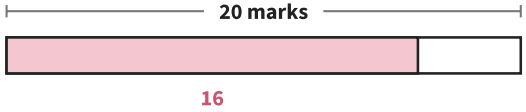


Out of 100 $\frac{\square}{\square} \times \frac{\square}{100} = \square\ \%$

Answer _____

4

Ruby gets 16 out of 20 in a spelling test.
What percentage is this?



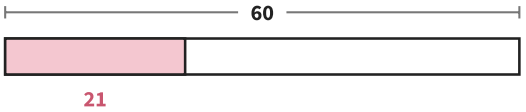
Part / whole _____

Out of 100 _____

Answer _____

5

Write 21 as a percentage of 60.



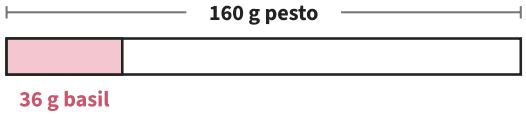
Part ÷ whole $21 \div 60 = \square$

× 100 $\square \times 100 = \square\ \%$

Answer _____

6

A 160 g jar of pesto contains 36 g of basil. What percentage of the pesto is basil?



Part ÷ whole $\square \div \square = \square$

× 100 $\square \times 100 = \square\ \%$

Answer _____

7

Write 35 cm as a percentage of 2 m.
Tom works out 35 ÷ 2 × 100 = 1750%.
Explain his mistake, then work out the right answer.

_____

_____

_____

Answer _____

8

Ella scores 38 out of 50 in a history test and 15 out of 20 in a geography test. In which test did she do better?

_____

_____

Answer _____

One number as a percentage of another *further practice*

9

Write 27 as a percentage of 75.

Answer _____

10

Write 11 as a percentage of 30.
Give your answer to 1 decimal place.

Answer _____

11

Write 750 g as a percentage of 3 kg.

Answer _____

12

A cinema has 240 seats. 198 of the seats are taken. What percentage of the seats are empty?

Answer _____

13

A cake mixture is made from 120 g of flour, 80 g of sugar and 50 g of butter. What percentage of the mixture is sugar?

Answer _____

14

Write 36 minutes as a percentage of 2 hours.

Answer _____

15

To pass a test, you need 86% or more. Sam scores 43 out of 50. Does Sam pass? Show how you know.

Answer _____

16

In shop A, 12 of the 40 phones are red.
In shop B, 18 of the 72 phones are red.
Mo says shop B has the bigger percentage of red phones, because 18 is more than 12. Is he right?

Answer _____