Percentages crash course

Percentages · Year 5–6 · ±8 min Medium

Name: ..... Date: .....



Today you learn: I know what per cent means and can find a percentage of an amount.

Remember

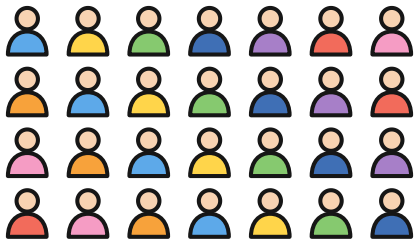
Per cent means 'out of a hundred'. 100% is the whole amount. 50% is half, 25% is a quarter, 10% means divide by 10 and 1% means divide by 100.

EXAMPLE

30% of £40: 10% is £4, so 30% is 3 × £4 = £12.

1 Medium

There are 28 children in the class. 50% cycle to school. How many children is that?

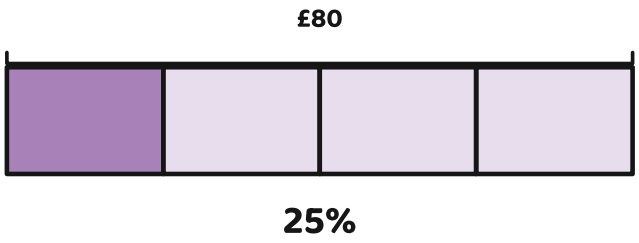


28 children

○ 7 (L) ○ 14 (S) ○ 50 (B)

2 Medium

A coat costs £80. It has 25% off. How much money do you save?



○ £20 (M) ○ £25 (H) ○ £40 (B)

3 Medium

Three in every ten children have a dog. What percentage is that?

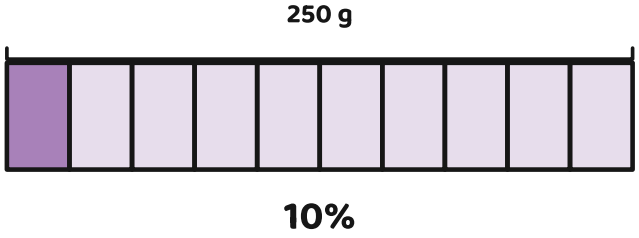


10 children, 3 with a dog

◯ 30% (A) ◯ 3% (B) ◯ 13% (H)

4 Medium

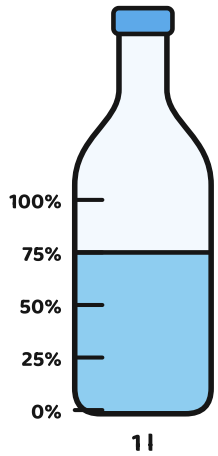
A bag of nuts weighs 250 g. 10% of it is cashews. How many grams of cashews is that?



◯ 25 g (R) ◯ 2.5 g (H) ◯ 10 g (W)

5 Hard

A 1 l bottle is 75% full. How many ml are in it?



◯ 250 ml (Z) ◯ 75 ml (G) ◯ 750 ml (T)

6 Medium

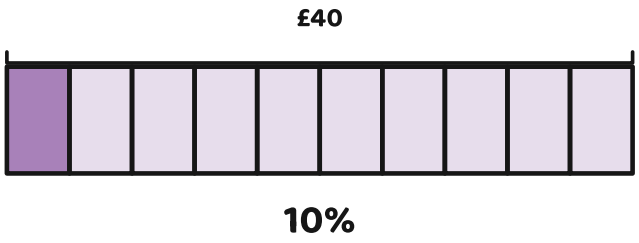
Ravi got 18 out of 20 questions right in his test. What percentage is that?



20 questions, 18 right

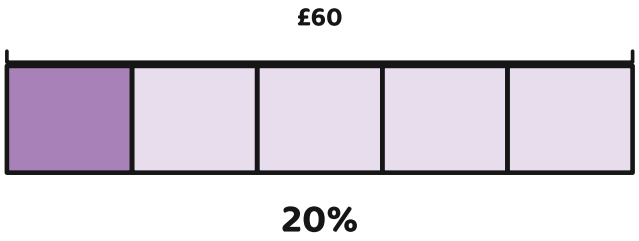
7 Medium

A game costs £40. Next week the price goes up by 10%. What will the new price be?



8 Medium

Fatima has saved £60. She spends 20% of it on a book. How much does the book cost, and how much money does she have left?



9 Hard

A school has 200 pupils. 15% of them come by bus. How many pupils is that?

10 Medium

True or false? Circle one.

	True	False
25% is the same as a quarter.	○	○
If 40% of the children have a pet, 60% do not.	○	○
10% off £50 saves you £10.	○	○
100% of 35 is 35.	○	○

The secret word

Write the letter of each right answer in the box with the same number.

1	2	3	4	5

How did it go? ☺ 😐 ☹

Stuck? Turn the sheet round and read the tip for your number.

Help card

1. 50% is the same as half.

2. 25% is a quarter: divide by 4.

3. Turn 'out of ten' into 'out of a hundred'. How many tens make a hundred?

4. To find 10%, divide by 10.

5. 1 l = 1000 ml, and 75% is three quarters.

6. How many times does 20 go into 100? Multiply the number he got right by the same number.

7. Work out 10% of the price first, then add it on.

8. 20% is two lots of 10%.

9. Find 10% first, then 5% (half of that), and add them together.

10. The whole amount is always 100%.

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Answers: Percentages crash course

For the parent · Year 5–6 · Medium

Today you learn: I know what per cent means and can find a percentage of an amount.

Check it together. When something is wrong, first ask: how did you work that out? Give the tip before the answer.

1. 14

   Tip: 50% is the same as half.

2. £20

   Tip: 25% is a quarter: divide by 4.

3. 30%

   Tip: Turn 'out of ten' into 'out of a hundred'. How many tens make a hundred?

4. 25 g

   Tip: To find 10%, divide by 10.

5. 750 ml

   Tip: 1 l = 1000 ml, and 75% is three quarters.

6. 90%

   Tip: How many times does 20 go into 100? Multiply the number he got right by the same number.

7. £44

   Tip: Work out 10% of the price first, then add it on.

8. The book costs £12 and she has £48 left.

   Tip: 20% is two lots of 10%.

9. 30 pupils

   Tip: Find 10% first, then 5% (half of that), and add them together.

10. 1: True · 2: True · 3: False · 4: True

    Tip: The whole amount is always 100%.

The secret word: S M A R T

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