

Y5 Percentages

KS2 Y5 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

On a hundred square, 43 squares are shaded. What percentage is shaded?

Step 1 · Per cent means 'out of 100'

43 out of 100

Answer: 43%

Check: $43\% = 43/100 = 0.43$ ✓

2. Now try one with the steps

Write 45% fraction and decimal.

Step 1 · As a fraction out of 100

Step 2 · 45 hundredths decimal

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. What does 'per cent' mean?

2. 29 squares of a hundred square are shaded. What percentage is shaded?

3. Write 81% fraction.

4. Write 81% decimal.

5. Write 30% decimal.

6. Write 53/100 percentage.

7. Write 0.67 percentage.

8. If 35% of a hundred square is shaded, what percentage is not shaded?

9. Write 4% decimal.

10. Write 0.6 percentage.

11. Order from smallest: 0.5, 45%, 54/100, 0.09

12. A phone battery is 18% charged. What percentage is still to charge?

13. In a bag of 100 sweets, 24 are red, 31 are green and the rest are yellow. What percentage are yellow?

14. Tariq scored 7 out of 10 in a quiz. What percentage is that?

4. Before you hand it in

Writing 45% as 4.5.

45% means 45 out of 100: $45 \div 100 = 0.45$.

Writing 7% as 0.7.

$7\% = 7/100 = 0.07$. 0.7 would be 70%.

Thinking 0.6 is 6%.

$0.6 = 6 \text{ tenths} = 60 \text{ hundredths} = 60\%$.

Thinking percentages can only be used with exactly 100 things.

Per cent compares a part with the whole the whole were split into 100 equal parts. 7 out of 10 is the same as 70 out of

100, or 70%.