

Max's Percentage Puzzles: Mastery Challenge

Learning objective: To identify, calculate, and reason with percentages as fractions and decimals, applying knowledge to real-world monetary and measurement problems.

Use these flashcards to test your knowledge of percentages. Max the monkey has designed these to help you think like a mathematician. Read the front, formulate your answer, then check the back to see if your reasoning matches his!

What does the term 'percentage' literally mean?

Per cent means 'out of 100'.

Write 25% as a fraction in its simplest form.

$\frac{1}{4}$

Convert 0.7 into a percentage.

70%

Calculate 50% of £8.40.

£4.20

If Max has 100 bananas and eats 10% of them, how many are left?

90 bananas

True or False: 0.05 is equivalent to 50%.

False. 0.05 is equivalent to 5%.

What is 20% of £50.00?

£10.00

Express $\frac{4}{10}$ as a percentage.

40%

If a shop offers a 10% discount on a £20 book, how much is the discount in pounds?

£2.00

Compare $\frac{1}{2}$ and 40%. Which is larger?

$\frac{1}{2}$ is larger ($50\% > 40\%$).

Write 75% as a decimal.

0.75

What is 1% of £1000?

£10