

Max's Percentage Puzzles

Learning objective: To understand percentages as the number of parts per hundred and solve problems involving percentages of amounts.

Read each flashcard carefully. Use Max the monkey's logic to work out the answers. Flip through these to test your knowledge of how percentages relate to fractions and decimals.

What does the word 'percentage' literally mean?

Out of one hundred.

Write 50% as a fraction in its simplest form.

$\frac{1}{2}$

Max has 100 bananas. He gives away 25% of them.
How many bananas does he have left?

75 bananas.

Write 25% as a decimal.

0.25

What is 10% of £50?

£5.

Write 75% as a fraction in its simplest form.

$\frac{3}{4}$

If a shirt costs £20 and is reduced by 50%, what is the new price?

£10.

What is 20% written as a fraction in its simplest form?

$\frac{1}{5}$

Max finds 100 pebbles. He paints 1% of them gold.
How many gold pebbles does he have?

1 pebble.

What is 5% of £100?

£5.

True or False: 0.5 is equivalent to 5%.

False. 0.5 is equivalent to 50%.

If you have 100 sweets and eat 40%, how many sweets are left?

60 sweets.