

Max's Percentage Puzzle Challenge

Learning objective: To recall, identify, and calculate percentages as fractions and decimals, and solve problems involving percentages of amounts.

Help Max the monkey solve these maths puzzles! Read each question carefully. Remember that a percentage is just a part of 100.

Answer Key: 1. C (50%), 2. False, 3. 0.25, 4. B (25%), 5. True, 6. £20, 7. 10%, 8. True, 9. 0.75, 10. A (1/10).
Max says: Keep practising your conversions to become a maths master!

Word bank: Percentage · Fraction · Decimal · Hundredths · Equivalent · Whole

1. Max has 100 bananas. He eats 50 of them. What percentage has he eaten? A) 10% B) 25% C) 50%* D) 75% (1 mark)

2. True or False: 20% is the same as 0.2. (1 mark)

3. What is 25% written as a decimal? (1 mark)

4. Which fraction is equal to 25%? A) $\frac{1}{2}$ B) $\frac{1}{4}$ * C) $\frac{3}{4}$ D) $\frac{1}{10}$ (1 mark)

5. True or False: 100% is the same as 1 whole. (1 mark)

6. If a toy costs £100 and there is a 20% discount, how much money do you save? (1 mark)

7. What is 10% of £50? (1 mark)

8. True or False: 75% is the same as $\frac{3}{4}$. (1 mark)

9. Write 75% as a decimal. (1 mark)

10. Which fraction is equivalent to 10%? A) $\frac{1}{10}$ * B) $\frac{1}{5}$ C) $\frac{1}{2}$ D) $\frac{1}{100}$ (1 mark)

Draw: Draw a square grid with 100 small squares. Colour in 25% of the squares blue and 50% of the squares green. How many white squares are left?



Extension challenge: Max wants to buy a hat that costs £40. The shop has a 25% off sale. Calculate the amount of the discount and the new price of the hat.