

Max's Spooky Halloween Maths Challenge

Learning objective: To apply arithmetic skills, including multiplication, division, fractions, and percentages, within a thematic Halloween context.

Help Max the monkey solve these spooky puzzles. Read each question carefully and show your working out where possible.

Answer Key: 1. C (£12.00); 2. True; 3. 24; 4. B (15); 5. False (It is 25%); 6. 18; 7. 12; 8. C (40); 9. True; 10. 8.50.

Word bank: Product · Quotient · Percentage · Fraction · Equivalent · Calculation · Total

1. 1. Max buys 4 pumpkin lanterns costing £3.00 each. What is the total cost? A) £7.00 B) £9.00 C) £12.00* D) £15.00 (1 mark)

2. 2. True or False: If you have 50 sweets and share them equally between 2 groups, each group gets 25 sweets. (1 mark)

3. 3. A spider has 8 legs. How many legs would 3 spiders have altogether? (1 mark)

4. 4. There are 60 guests at a party. $\frac{1}{4}$ of them are wearing ghost costumes. How many guests are ghosts? A) 10 B) 15* C) 20 D) 30 (1 mark)

5. 5. True or False: 50% of 40 is 10. (1 mark)

6. 6. A bag contains 30 treats. Pip eats 12 of them. How many treats are left? (1 mark)

7. 7. If a bag of spooky stickers costs £3.00, how many bags can you buy with £36.00? (1 mark)

8. 8. Zara uses 20% of her 200 sheets of orange paper to make decorations. How many sheets did she use? A) 20 B) 30 C) 40* D) 50 (1 mark)

9. 9. True or False: 0.75 is the same as $\frac{3}{4}$. (1 mark)

10. 10. If a giant pumpkin weighs 17kg, what is half of its weight in kilograms? (1 mark)

Draw: Draw Max the monkey wearing a wizard hat, holding a basket full of geometric shapes that represent sweets.



Extension challenge: Design your own Halloween party menu! List three items with prices and calculate the total cost if a customer buys two of each item.