

Max's Spooky Spooky Math Challenge

Learning objective: To solve multi-step problems involving money, time, and measurement in the context of a spooky fall celebration.

Help Max the monkey solve these eerie equations! Read each question carefully, show your working out, and remember to use the £ symbol for money questions.

Answer Key: 1. C (£8.50), 2. True, 3. 45 minutes, 4. B (240g), 5. 15, 6. False (It is 450cm), 7. A (15), 8. 9, 9. 30cm, 10. True.

Word bank: Product · Difference · Total · Estimate · Calculation · Perimeter · Interval · Equivalent

1. Max buys 5 pumpkins for £1.70 each. What is the total cost? A) £7.50 B) £8.00 C) £8.50* D) £9.00 (1 mark)

2. True or False: If a party starts at 17:30 and ends at 19:15, the duration is less than 2 hours. (1 mark)

3. Zara is making spider webs out of string. If she uses 15cm of string for one web, how many minutes will it take to make 3 webs if each web takes 15 minutes? (1 mark)

4. A bag of ghostly sweets weighs 80g. How much do 3 bags weigh in total? A) 200g B) 240g* C) 300g D) 280g (1 mark)

5. If you have 45 eyeballs and share them equally between 3 potion jars, how many go into each jar? (1 mark)

6. True or False: A rectangular graveyard with sides of 150cm and 75cm has a perimeter of 300cm. (1 mark)

7. Kit has 60 spooky stickers. He gives away $\frac{1}{4}$ of them to his friends. How many does he give away? A) 15* B) 20 C) 10 D) 30 (1 mark)

8. What is the difference between the price of a £12 broomstick and a £3 cauldron? (1 mark)

9. If one pumpkin slice is 5cm wide, what is the length of a row of 6 slices placed side-by-side? (1 mark)

10. True or False: £5.00 minus £2.75 equals £2.25. (1 mark)

Draw: Draw a scene where Max the monkey is decorating his treehouse for an fall party. Include at least three geometric shapes in your drawing (e.g., triangular bunting, circular lanterns, or rectangular windows).



Extension challenge: Explain why it is important to check if your answer is reasonable when calculating the cost of party supplies. Compare and contrast using mental math versus column addition for these types of problems. Justify your answer: If you had a budget of £20, what is the maximum number of £2.50 items you could purchase, and how much change would you receive? What might happen if the price of pumpkins increased by 50p each?