

Max's Spooky Halloween Maths Challenge

Learning objective: To solve addition, subtraction, multiplication, and division problems involving money and measures in a Halloween-themed context.

Help Max the monkey work out these spooky calculations. Show your working out clearly for each question.

Max is getting ready for a spooky autumn party. He has visited the market to buy supplies. He bought 4 bags of glow-in-the-dark stickers at £2.50 each. He also bought 3 pumpkins for £1.20 each. To decorate, he bought a roll of orange ribbon costing £3.45. Max has £20.00 in his pocket to spend on treats for his friends.

Word bank: total · difference · product · calculate · remainder · pence

1. What is the total cost of the 4 bags of glow-in-the-dark stickers? (2 marks)

2. How much change does Max get from his £20.00 after buying the stickers and the pumpkins? (3 marks)

3. If Max shares 45 spider-shaped biscuits equally among 5 friends, how many biscuits does each friend receive? (2 marks)

4. The orange ribbon is 120cm long. Max cuts it into 4 equal pieces to hang decorations. How long is each piece of ribbon? (2 marks)

5. Max finds a box of 8 cupcakes for £4.80. How much does one cupcake cost? (2 marks)

Draw: Draw a spooky scene including a pumpkin, some star-shaped decorations, and a jar of spider biscuits to help Max visualise his party maths.



Extension challenge: Max decides to buy a spooky mask that costs £7.99. If he already spent the money from the passage, does he have enough left from his original £20.00 budget? Explain your answer using calculations.