

Max's Spooky Harvest Maths Challenge

Learning objective: To solve multi-step problems involving addition, subtraction, multiplication, and division using money and measure in a seasonal context.

Help Max the monkey solve these spooky puzzles to prepare for the Autumn Harvest Party. Show all your working out clearly.

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

1. Max is buying pumpkins for his friends. A large pumpkin costs £3.45 and a small pumpkin costs £1.75. If Max buys 3 large pumpkins and 2 small pumpkins, how much does he spend in total? (2 marks)

2. The shop sells bags of sweets for £2.80 each. Max has a £20 note. How many bags can he buy, and how much change will he receive? (3 marks)

3. A spider web decoration is 450cm long. If Zara the zebra cuts the web into 9 equal pieces to decorate the trees, how long will each piece be in metres? (2 marks)

4. Max and his friends collected 144 autumn leaves. They want to share them equally between 6 baskets. How many leaves will be in each basket? (2 marks)

5. At the party, apples cost 45p each. If 12 children each buy one apple, what is the total cost in pounds (£)? (2 marks)

Draw: Draw a scene where Max the monkey is decorating a tree with 9 equal pieces of spider web, showing your maths calculation next to the drawing.



Extension challenge: If each basket of leaves (from Question 4) also contains 3 small acorns, what is the total number of acorns across all 6 baskets? Write a calculation to show your answer.