Max’s Spooky Autumn Market Challenge

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

Help Max the monkey calculate the total costs and change for his autumn market stall. Show your working out clearly for each calculation.

Max is organising a harvest festival stall. He has pumpkins for £3.45 each, bundles of dried corn for £1.80, and jars of local honey for £4.25. He needs to manage his stock and customer transactions accurately.

Word bank: calculate · total · difference · remainder · budget · value · decimal point · estimation

1. A customer buys two pumpkins and three bundles of dried corn. How much does the customer spend in total? (2 marks)

2. If the customer pays with a £20 note, how much change should Max give them? Show your subtraction method. (2 marks)

3. Max has 12 jars of honey. If he sells them all at £4.25 each, how much money will he have made? Explain your method for multiplying by a decimal. (3 marks)

4. Compare the cost of 5 pumpkins to the cost of 10 bundles of dried corn. Which is more expensive and by how much? (3 marks)

5. Justify why it is important for Max to align his decimal points when adding the prices of different items together. (2 marks)

Draw: Draw a sketch of Max’s market stall, labelling the items with their prices and showing a small sign that displays a 'special offer' calculation (e.g., '3 for the price of 2').

Extension challenge: What might happen to Max's total profit if he decided to offer a 10% discount on all items over £4.00? Create a new price list and calculate the impact on his total earnings for the day.