

Max's Spooky Autumn Maths Challenge

Learning objective: To apply Year 3 mathematical skills including addition, subtraction, multiplication, and money calculations within a seasonal context.

Read each question carefully. Show your working out for the longer questions to earn full marks. Use the £ symbol for all money answers.

Max the monkey is helping his friends prepare for an Autumn Harvest Party. He has a basket of 48 shiny conkers and 25 mini pumpkins. He visits the local market to buy supplies for the party decorations.

Word bank: calculate · total · difference · product · exchange · partition

1. Max has 48 conkers and finds 15 more under the oak tree. How many conkers does he have in total? (2 marks)

2. At the market, a decorative ghost costs £1.20 and a bag of cinnamon sticks costs £0.85. How much do they cost altogether? (2 marks)

3. Max has £5.00. He spends £2.40 on paper lanterns. How much change does he receive? Show your working out. (3 marks)

4. There are 6 trays of apple tarts. Each tray holds 8 tarts. Use your knowledge of multiplication to find the total number of tarts. (2 marks)

5. Max wants to share 36 star-shaped biscuits equally among 4 friends. How many biscuits does each friend get? (2 marks)

6. Ellie the elephant brings 85 autumn leaves to decorate the room. During the party, 27 leaves blow away through an open window. How many leaves are left? Explain your method. (4 marks)

7. Max creates a pattern using 3 orange pumpkins, 2 green gourds, and 3 orange pumpkins. If he repeats this pattern 3 times, how many items will he have in total? Show your steps. (5 marks)

Draw: Draw a scene where Max the monkey is sorting his harvest items (conkers, pumpkins, and leaves) into groups of 5.



Extension challenge: Max decides to sell his leftover apple tarts for 30p each. If he has 8 tarts left, how much money will he make? Write a short word problem for a friend to solve using this information. Total: /25