

Max's Easter Market Challenge

Learning objective: To apply Year 5 mathematical skills, including decimals, money, area, and problem-solving, within the context of an Easter market.

Read each question carefully. Show your working out clearly, especially for multi-step problems. Use £ for currency. You have 45 minutes to complete this assessment.

Max the monkey is organising a charity Easter market. He has a budget of £50.00 to buy supplies. He needs to purchase decorative eggs, artisanal ribbons, and hand-painted signs. He must calculate the cost of items, the area of his stall, and ensure he stays within his budget while raising as much money as possible for his friends.

Word bank: decimal · perimeter · area · multiplication · equivalent · fraction · estimate

1. Max buys 15 decorative eggs at £1.45 each. How much does he spend in total? Show your calculation. (2 marks)

2. Max has a rectangular stall that measures 4.5 metres by 3.2 metres. Calculate the area of the stall. What is the perimeter of the stall? (3 marks)

3. If Max sells 24 Easter baskets for £4.75 each, how much revenue will he make? If he subtracts his initial costs of £21.75 for materials, what is his total profit? (4 marks)

4. Max wants to divide his remaining profit of £92.50 equally among 5 animal charities. How much will each charity receive? (2 marks)

5. Compare and contrast the cost-effectiveness of buying 10 eggs for £12.00 versus buying 12 eggs for £15.00. Justify which option Max should choose to maximise his profit. (4 marks)

6. Explain why it is important for Max to round his decimal currency totals to two decimal places when calculating the final budget. What might happen if he rounded to the nearest pound instead? (5 marks)

Draw: Draw a scale plan of Max's Easter stall, labelling the length, width, and the placement of his items. Use a scale of 1 square = 0.5 metres.



Extension challenge: Imagine the market is so successful that Max decides to expand. Design a new, larger stall plan and write a short justification explaining how you have calculated the new area and how this expansion will increase his potential profit. Total: /25