

Max's Multiplication Market

Learning objective: To recall and use multiplication and division facts for multiplication tables up to 12 x 12, applying them to real-world currency problems.

Max the monkey is helping at the local community market. He needs your help to calculate the total costs for his customers. Use your knowledge of times tables to solve these problems. Show your working out clearly, remembering to include the £ sign.

Word bank: multiplication · product · factor · total · calculate · equation

1. A box of 6 organic apples costs £3. If a customer wants to buy 8 boxes, what is the total cost? Explain how you used your 6 times table to find the answer. (3 marks)

2. Max is selling bunches of carrots for £4 each. A customer spends £32. How many bunches did they buy? Justify your answer using a division fact. (3 marks)

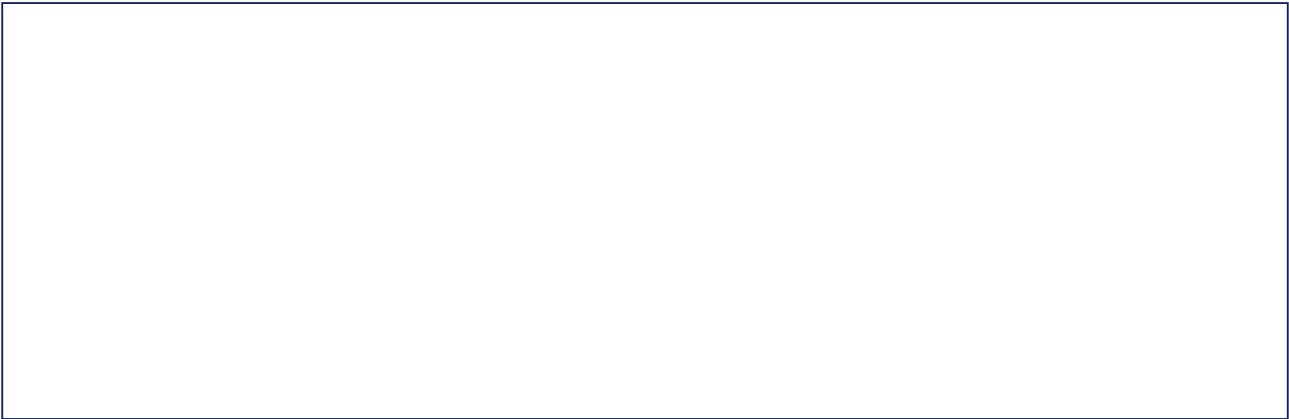
3. A jar of local honey costs £7. If Max sells 9 jars, how much money does he make? Compare this to the cost of 7 jars sold at £9 each. What do you notice about the products? (3 marks)

4. A stallholder has 12 packs of seeds. Each pack costs £5. If they sell half of their stock, how much money have they made? Show your calculation. (3 marks)

5. Explain why knowing your 12 times table helps you to solve problems involving the 6 times table. Provide an example to support your reasoning. (3 marks)

6. Max has £88 to spend on supplies. Each bag of feed costs £8. Can he buy 11 bags? What might happen if the price of each bag increased to £9? Justify your answer. (3 marks)

Draw: Draw a market stall scene showing Max the monkey counting piles of produce. Label each pile with a multiplication equation (e.g., $4 \times £5 = £20$).



Extension challenge: Design your own market stall. Create three different items to sell, each with a price that is a multiple of 7 or 9. Write a 'Greater Depth' challenge problem for a friend to solve, involving at least two steps of multiplication or division.