

Max's Market Maths

Learning objective: To multiply two-digit numbers by one-digit numbers using formal written methods.

Read the scenarios carefully. Use your multiplication skills to help Max the monkey calculate the total costs for his friends. Show your working out clearly.

Max the monkey is helping his friends at the woodland market. He loves using maths to make sure everyone gets the right change! Today, Pip the caterpillar is buying 6 bookmarks that cost £14 each. Nova the owl is buying 8 jars of forest honey at £12 each. Meanwhile, Zara the zebra is buying 9 packets of colourful art chalk for £15 per packet. Max needs to calculate the total price for each of his friends so they can pay the correct amount.

Word bank: product · multiply · calculation · total · partitioning

1. How much will it cost Pip to buy 6 bookmarks at £14 each? Use the grid method or short multiplication to show your working. (2 marks)

2. Nova wants to buy 8 jars of honey at £12 each. Calculate the total cost of the honey. (2 marks)

3. Zara buys 9 packets of chalk at £15 each. What is the total cost of the chalk? (2 marks)

4. If Pip, Nova, and Zara pool their money together, what is the total cost of all their items combined? (3 marks)

5. Max has £200. Does he have enough money to buy 12 boxes of fruit that cost £18 each? Explain your answer with a calculation. (3 marks)

Draw: Draw a picture of Max the monkey using an abacus to count the coins for the market stall.



Extension challenge: Max finds a special item that costs £24. If he buys 7 of these items, he gets a £10 discount on the total. How much will he pay in total after the discount is applied?