

Max's Market Stall Division Challenge

Learning objective: To solve division problems with remainders and use written methods for two-digit numbers.

Read the story about Max the monkey's fruit stall. Use the space provided to show your working out for each division puzzle. Remember to include units of measurement and currency where needed.

Max the monkey has opened a fruit stall in the forest to practise his maths skills. He has 84 juicy forest plums that he needs to put into bags. Each bag can hold exactly 6 plums. Later, Max collects 75 shiny forest coins and wants to share them equally between his 4 best friends, Pip, Nova, Ellie, and Finn. He wants to see how many coins each friend gets and how many are left over for his savings jar.

Word bank: remainder · share · divide · equal groups · calculate · total · partition

1. How many full bags of 6 plums can Max fill using his 84 plums? Show your division calculation. (2 marks)

2. If Max shares 75 coins equally between his 4 friends, how many coins does each friend receive? (2 marks)

3. Following the sharing of the 75 coins, how many coins are left over for Max's savings jar? (1 mark)

4. If a punnet of berries costs £3, how many punnets can Max buy with £45? Explain your method. (2 marks)

5. Max has 98 stickers to share between 7 forest animals. How many stickers does each animal get? Is there a remainder? (2 marks)

Draw: Draw Max's fruit stall showing the 84 plums grouped into bags of 6.



Extension challenge: Max has £60. He wants to buy as many books as possible for Pip. If each book costs £8, how many books can he buy and how much change will he have left over? Write a number sentence to show your answer.