

# Max's Market Day Maths

*Learning objective: To solve division problems using mental and written methods, including problems with remainders, in the context of money.*

Read the story about Max the monkey and his trip to the market. Use your maths skills to help him solve his shopping problems. Show your working out clearly.

Max the monkey visited the local market to buy supplies for his friends. He had a budget of £50 to spend on fruit and treats. First, Max bought 4 identical baskets of strawberries for £24. Next, he found a stall selling bags of roasted nuts. Each bag cost £3. Max had £26 left, and he wanted to buy as many bags of nuts as possible to share equally between his 8 friends. After that, Max decided to buy some special star-fruit. He spent £18 on 6 star-fruits, making sure each one cost exactly the same amount. Finally, Max looked at his remaining money to see if he could afford a small gift for Pip the caterpillar.

*Word bank: divide · remainder · total · share · calculate · exchange*

**1. How much did one basket of strawberries cost? Show your division calculation. (2 marks)**

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**2. Max has £26 left for the bags of nuts. If each bag costs £3, how many bags can he buy? Will he have any money left over? If so, how much? (3 marks)**

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**3. If Max shares the bags of nuts equally between his 8 friends, how many bags will each friend receive? (2 marks)**

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**4. How much did one star-fruit cost? (2 marks)**

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**5. After buying the strawberries, the nuts, and the star-fruits, how much money does Max have remaining from his original £50 budget? (3 marks)**

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**Draw: Draw a picture of Max the monkey sharing the bags of nuts with his 8 friends. Make sure there is an equal amount for each friend!**



*Extension challenge: Max finds a stall selling packets of sunflower seeds for £4 each. If he spends all his remaining money on these seeds, how many full packets can he buy and what is the final remainder?*