

Max's Busy Day at the Market

Learning objective: To read, write and convert time between analogue and digital 12-hour and 24-hour clocks, and solve problems involving time durations.

Read the story about Max the monkey's day at the market. Use the information to answer the questions below. Show your working out where possible.

Max the monkey decided to visit the local market to help his friends buy fresh fruit. He checked his watch at 08:30 in the morning and arrived at the market exactly 45 minutes later. The first stall he visited was selling bunches of bananas for £2.50. Max spent 20 minutes choosing the best ones. After that, he met Zara the zebra at the apple stall. They arrived at the apple stall at 09:45 and spent 35 minutes chatting while they filled their baskets. Max then needed to head home to finish his maths puzzles. He left the market at 10:45 and walked for 50 minutes to get back to his treehouse.

Word bank: analogue · digital · duration · midday · midnight · interval

1. What time did Max arrive at the market? Give your answer in 12-hour format with am or pm. (1 mark)

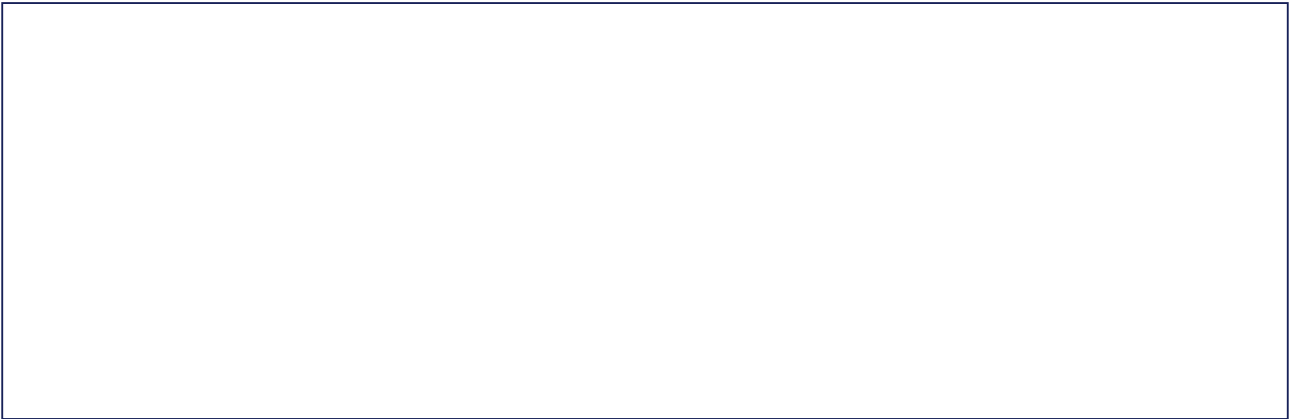
2. Max spent 20 minutes at the banana stall. If he arrived at 09:15, what time did he finish buying bananas? (2 marks)

3. How long did Max and Zara spend together at the apple stall? Write your answer in minutes. (1 mark)

4. If Max left the market at 10:45, what time did he arrive home if the walk took 50 minutes? (2 marks)

5. Max bought bananas for £2.50 and apples for £1.75. If he paid with a £5 note, how much change did he receive? (2 marks)

Draw: Draw a clock face showing the time Max arrived home from the market. Next to it, write the time in 24-hour digital format.



Extension challenge: If Max had arrived at the market at 08:15 and stayed for a total duration of 2 hours and 15 minutes, what time would he have left? Write your answer in both 12-hour and 24-hour clock formats.