

Max's Busy Day: Mastering Time

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

Read the story about Max the monkey's day. Use your maths skills to help him solve his timing puzzles. Show your working out clearly.

Max the monkey is very busy today! He starts his morning stretches at 07:15 am. He finishes his stretches at 08:05 am. At 13:30, Max goes to the jungle market to buy fruit for his friends. He spots a bunch of bananas for £2.50. He spends 45 minutes choosing the best fruit. He arrives back at his treehouse at 14:45 to start his afternoon maths club.

Word bank: analogue · digital · duration · midday · midnight · intervals · am · pm

1. How long did Max spend doing his morning stretches? Give your answer in minutes. (2 marks)

2. If Max arrives at the market at 13:30 and spends 45 minutes there, what time does he leave the market? Write your answer in 24-hour format. (2 marks)

3. Write 13:30 as it would appear on an analogue clock using 'past' or 'to'. (1 mark)

4. Max wants to be at his treehouse by 14:45. If the walk home takes 20 minutes, what is the latest time he can leave the market to arrive exactly on time? (2 marks)

5. Max buys 3 bunches of bananas at £2.50 each. How much money does he spend in total? Use the £ symbol in your answer. (2 marks)

Draw: Draw an analogue clock face showing the time Max arrived back at his treehouse (14:45). Remember to show the hour hand and the minute hand clearly.



Extension challenge: Max's friend, Pip the caterpillar, says that 14:45 is the same as 'quarter to three'. Is Pip correct? Explain your reasoning using your knowledge of 12-hour and 24-hour time.