

Max's Busy Day: A Time-Management Diary

Learning objective: To solve problems involving converting between units of time and calculating durations in hours and minutes.

Max the monkey is planning his busy day in the jungle. Use your knowledge of time to help him schedule his activities. Remember to show your working out for any calculations involving hours and minutes. You will need to convert durations where necessary to ensure Max stays on track!

Word bank: duration · intervals · convert · AM/PM · digital clock · analogue · midnight · midday

1. Morning Routine: Max starts his breakfast at 07:15 and finishes at 08:05. Calculate the total duration of his breakfast in minutes. (2 marks)

2. The Math Puzzle: Max spends 1 hour and 45 minutes solving a complex math puzzle. If he starts at 09:30, at what time will he finish? (2 marks)

3. Comparing Times: Max goes for a run that lasts 85 minutes. Is this longer or shorter than 1 hour and 20 minutes? Explain your answer. (3 marks)

4. Afternoon Planning: Max needs to meet his friends at 15:00. It is currently 13:40. How much time does he have left to prepare? (2 marks)

5. Evening Stargazing: Max goes to look at the stars at 20:15 and stops at 21:50. How long did he spend stargazing in hours and minutes? (2 marks)

Extension challenge: Imagine Max has a busy weekend. Create your own time-based word problem for a friend to solve, involving at least one conversion between hours and minutes.