

Max's Time-Tracking Adventure

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

Max the monkey has been busy planning his jungle schedule! Use this diary template to help Max track his day. For each activity, record the start time, end time, and calculate the total duration in minutes. Remember to use both 12-hour and 24-hour formats where possible.

Word bank: duration · analogue · digital · interval · midday · midnight · 24-hour clock · past · to

1. Morning Task: Describe an activity Max completes before midday. Write the start time on an analogue clock face and the 24-hour digital time below it. (2 marks)

2. Duration Calculation: If Max starts his reading session at 14:15 and finishes at 15:05, calculate the total duration in minutes. Show your working out. (3 marks)

3. Compare and Contrast: Explain why it is sometimes more useful to use the 24-hour clock instead of the 12-hour clock when planning a long journey. (3 marks)

4. Justify your answer: Max says that 12:30 in the afternoon is the same as 00:30 on a 24-hour clock. Is he correct? Explain your reasoning. (3 marks)

5. What might happen if: Max forgets to convert his morning time to 24-hour format and arrives for his afternoon meeting 12 hours late? Describe the scene. (4 marks)

6. Challenge Question: If an event lasts for 135 minutes, how many hours and minutes is that? Express your answer as a mixed unit of time. (2 marks)

Extension challenge: Design a 'Time-Table' for a full day of jungle activities. You must include at least four events, ensuring that the total duration of all activities does not exceed 8 hours. Create a visual display showing the start and end times on both analogue and digital clocks.