

Max's Time-Telling Challenge

Learning objective: To assess understanding of analogue and digital clocks, converting between units of time, and solving problems involving duration.

Read each question carefully. Use your knowledge of 12-hour and 24-hour clocks to solve Max the monkey's puzzles. Show your working out where necessary.

Max the monkey is very busy! He has a schedule to keep for his jungle friends. He needs to know exactly how long his tasks take and what time he needs to start them to ensure he isn't late for tea.

Word bank: Analogue · Digital · Duration · Midnight · Noon · Interval · AM · PM

1. Max looks at an analogue clock. The hour hand is just past 4 and the minute hand is pointing at the 6. Write the time in digital 12-hour format. (1 mark)

2. Max starts his tree-climbing practice at 09:15 and finishes at 10:05. How many minutes did he spend practicing? Show your method. (2 marks)

3. Convert these times into 24-hour clock format: a) 3:00 pm, b) 11:30 am, c) 8:45 pm. (3 marks)

4. If a train journey from the jungle to the city takes 2 hours and 25 minutes, and the train leaves at 13:40, what time does it arrive? Write your answer in 24-hour format. (3 marks)

5. Max wants to buy a new stopwatch that costs £12.50. He saves 50p every day for 3 weeks. Does he have enough money? Explain your reasoning using calculations. (4 marks)

6. Compare the number of seconds in 4 minutes versus the number of minutes in 3 hours. Which duration is longer and by how much? (4 marks)

7. Max has a very busy Saturday. Write a short diary entry (5-6 sentences) explaining his day. You must include at least four specific times, using a mix of 12-hour and 24-hour format, and describe the duration of at least two of his activities. (8 marks)

Draw: Draw an analogue clock face showing the time 7:45. Label the hour hand and the minute hand clearly.



Extension challenge: Total: /25