Max’s Time-Telling 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! Read the scenarios below and help Max solve his time puzzles. Remember to show your working out.

Max is planning a busy day in the jungle. He wakes up at 07:00. He spends 45 minutes stretching and then starts his maths puzzles at 07:45. He finishes his first set of puzzles at 08:30. Later, he meets his friend Pip the caterpillar for lunch at 12:30. They finish their lunch and chat for 1 hour and 15 minutes. In the afternoon, Max starts his evening stargazing prep at 18:15.

Word bank: analogue · digital · duration · midday · midnight · a.m. · p.m. · interval

1. How long did Max spend doing his first set of maths puzzles? Give your answer in minutes. (2 marks)

2. Max and Pip finished lunch and their chat at 12:30 plus 1 hour and 15 minutes. What time did they finish? Write your answer in 12-hour format. (2 marks)

3. Convert Max’s evening stargazing prep time (18:15) into 12-hour clock format, including a.m. or p.m. (2 marks)

4. If Max goes to bed at 20:30, how many hours and minutes are there between his 18:15 start time and bedtime? (3 marks)

5. Max found an old clock that shows the time as 3:45 p.m. Write this time in 24-hour format. (2 marks)

Draw: Draw an analogue clock face showing the time Max and Pip finished their lunch (13:45). Make sure the hour hand is positioned correctly between the 1 and the 2.

Extension challenge: Max wants to bake banana bread. It takes 15 minutes to prepare and 45 minutes to bake. If he wants it to be ready by 16:00, what is the latest time he can start preparing?