

Max's Busy Day: Time and Timetable Mastery

Learning objective: To calculate intervals of time, solve duration problems using 24-hour clocks, and interpret complex timetables.

Max the monkey is organising a jungle festival. Use the provided 24-hour timetable below to solve the scheduling problems. Show your working out clearly to earn full marks.

Jungle Festival Timetable: 08:30 – Breakfast Bananas; 09:15 – Science Talk with Bea; 10:45 – History Stories with Ellie; 12:00 – Picnic Lunch; 13:30 – Stargazing Prep with Nova; 15:15 – Poetry Workshop with Leo.

Word bank: duration · interval · 24-hour clock · schedule · timetable

1. Max starts preparing for the festival at 07:45 and finishes at 08:30. How many minutes does he spend preparing? (2 marks)

2. How long does the 'Science Talk with Bea' last if it finishes exactly when 'History Stories with Ellie' begins? (2 marks)

3. If the picnic lunch lasts for 90 minutes, at what time does it finish? Write your answer in 24-hour format. (2 marks)

4. Leo's poetry workshop starts at 15:15. If it lasts for 1 hour and 45 minutes, at what time does it end? (2 marks)

5. Between the start of the Science Talk (09:15) and the start of the Poetry Workshop (15:15), how many hours have passed in total? (2 marks)

Draw: Draw a large analogue clock face showing the time 15:15, and next to it, draw a digital clock face showing the same time in 24-hour format.



Extension challenge: Max has a budget of £50.00 for festival snacks. He spends £12.50 on bananas, £8.75 on mangoes, and £15.20 on nuts. If he also wants to buy decorations that cost £14.50, does he have enough money left? Calculate the total cost and the remaining balance.