

Max's Time-Travelling Maths Challenge

Learning objective: To solve problems involving converting between units of time and calculating intervals using digital and analogue formats.

Help Max the monkey solve these time-based puzzles! Read each question carefully and write your answers in the spaces provided.

Answer Key: 1. C (14:15), 2. False, 3. 45 minutes, 4. 2 hours 15 minutes, 5. B (10:45), 6. True, 7. 135 minutes, 8. 48 hours, 9. 14 days, 10. 18:30.

Word bank: duration · interval · analogue · digital · midday · midnight · fortnight

**1. Max starts his puzzle at 14:15. Which of these shows the same time on a 12-hour clock?
A) 1:15 am, B) 2:15 am, C) 2:15 pm*, D) 4:15 pm (1 mark)**

2. True or False: There are 1,000 seconds in one hour. (1 mark)

3. A train journey takes 1 hour and 15 minutes. If it arrives at 14:00, what time did it start? (1 mark)

4. How many hours and minutes are there in 135 minutes? (1 mark)

5. The school play begins at 10:45. Which is the correct digital format? A) 10.45, B) 10:45*, C) 22:45, D) 10:45 pm (1 mark)

6. True or False: A leap year has 366 days. (1 mark)

7. How many minutes are in 2 hours and 15 minutes? (1 mark)

8. If Max sleeps for two full days, how many hours has he slept for? (1 mark)

9. What is the name for a period of exactly two weeks? (1 mark)

10. Write 6:30 pm in 24-hour clock format. (1 mark)

Draw: Draw a large clock face showing 16:45. Beside the clock, draw Max the monkey holding a stopwatch and looking very busy with his maths notes.



Extension challenge: Max wants to know how many seconds are in a 24-hour day. Can you calculate this using your knowledge of multiplication?