

Max's Time-Traveling Math Challenge

Learning objective: To solve problems involving duration, start times, and end times using hours and minutes.

Read each question carefully. Use your knowledge of analogue and digital clocks to help Max the monkey solve these time puzzles. Show your working out clearly.

Word bank: Duration · Interval · Minute · Hour · O'clock · Past · To · Calculate

1. Max starts his math puzzle at 10:15 am. He finishes at 10:45 am. How many minutes did Max spend solving the puzzle? (2 marks)

2. Pip the caterpillar starts reading a book at 2:00 pm. If the story takes 1 hour and 20 minutes to read, what time will Pip finish? (2 marks)

3. Zara the zebra goes to an art class that lasts for 45 minutes. If the class ends at 4:30 pm, what time did the class start? (3 marks)

4. Leo the lion goes for a walk in the park. He leaves at 9:10 am and returns at 10:05 am. How long was Leo's walk in total? (3 marks)

5. Kit the fox catches a train. The journey lasts 1 hour and 15 minutes. If the train arrives at 3:05 pm, what time did the train depart? (3 marks)

Draw: Draw an analogue clock face showing the time that Leo the lion returned from his walk (10:05). Remember to draw the short hand for the hour and the long hand for the minutes.



Extension challenge: Max has £5.00 to spend on puzzle books. If each book takes 2 hours to complete, and he spends 6 hours in total reading, how many books does he finish? If each book costs £1.50, how much money does he have left?