

Calendar and dates problems

MODULE 6 · TIME AND MONEY MEASURES

HOW TO ANSWER TODAY

- **Time arithmetic.** Add or subtract minutes first; if you go past 60, carry an hour.
- **Elapsed time.** Count up to the next hour, then in whole hours, then the remaining minutes. Add the parts.

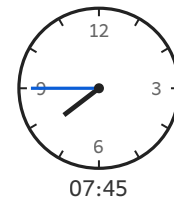
14:30 → 16:45: 30 min to 15:00, 1 h to 16:00, 45 min to 16:45 → 2 h 15 min

★ STRETCH PROBLEMS

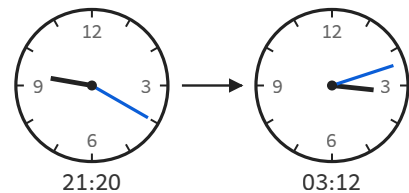
- 1 The overnight ferry to France leaves the harbour at **00:15**. The crossing takes **2 hours** and **56 minutes** before the first stop. What time does the ferry reach the first stop?



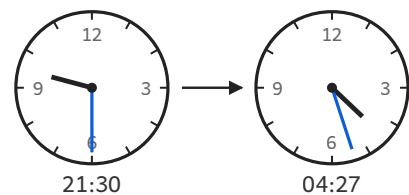
- 2 Tadhg sets off on his Saturday spin along the Waterford Greenway at **07:45**. He cycles for **5 hours** and **57 minutes** before stopping for lunch. What time does he stop?



- 3 The overnight ferry to France leaves the port at **21:20** and docks the next morning at **03:12**. How much time passes during the crossing?



- 4 On the night before their school tour, Tadhg falls asleep at **21:30** and wakes up the next morning at **04:27**, too excited to sleep in. How much time passes between **21:30** and **04:27**?



- 5 Before her school tour, Aoife goes to bed at **23:40** and wakes up at **07:36** the next morning. How much time passes between when she falls asleep and when she wakes up?

