

Elapsed time and simple timetables

WHAT THIS LESSON TEACHES

Elapsed time is how long has passed between a start time and a finish time. Count on to the next o'clock first, then add the minutes after it.

→ A bus leaves at 9:10 and arrives at 9:45, so 35 minutes have passed.

→ From 3:50 to 4:20 is 10 minutes up to 4:00, then 20 more, giving 30 minutes.

MODEL THIS ON THE BOARD

BUS 11:50 TO 12:25

- ① The bus leaves at **11:50** and arrives at **12:25**.
- ② Count on to the next hour: from **11:50** to **12:00** is **10** minutes.
- ③ Then count on from **12:00** to **12:25**: that is **25** more minutes.
- ④ Add the jumps: $10 + 25 = 35$ minutes.



DISCUSSION STARTER

REFLECT Do you count elapsed time hour-by-hour or in five-minute jumps? Which feels surer?

ANSWER KEY

b) 35 minutes

c) 45 minutes

Q1: 30 minutes

Spot: Cian ignored the hour boundary. From 2:45 → 3:00 is 15 minutes, then 3:00 → 3:20 is another 20 minutes.

Total: $15 + 20 = 35$ minutes.

EXTENSION SHEET · STRETCH ANSWERS

S1: 3 h 41 min

S2: 00:47

S3: 23:43

S4: 7 h 15 min

S5: 5 h 3 min

Investigation: Plan a day out — open-ended; scan pupils' working for valid solution paths rather than a single answer.