Time and timetables: fact sheet

Extra topic (not on the planner) · Learn these facts

Units of time

60 seconds = 1 minute

60 minutes = 1 hour

24 hours = 1 day

Not 100!

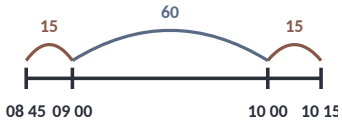
24-hour clock

2.45 pm = 14 45

add 12 to pm hours

Always 4 digits: 08 05

Time gaps



15 + 60 + 15 = 90 min

Count on to the next hour

Then whole hours, then the rest

Minutes to hours

140 min = 2 h 20 min

45 min = $\frac{3}{4}$ h = 0.75 h

Divide by 60

Fractions of an hour

$\frac{1}{4}$ h = 15 min

$\frac{1}{2}$ h = 30 min

$\frac{3}{4}$ h = 45 min

$1\frac{1}{4}$ hours = 75 minutes

Reading timetables

find the row (place)

go along to the column (bus)

Each column is one bus or train

Blank: it does not stop

Working backwards

arrive 09 00, 8 min walk

train must arrive by 08 52

Take time away step by step

Calculator trap

1.5 hours	1 h 30 min
1.25 hours	1 h 15 min
2.4 hours	2 h 24 min

Key words

- **24-hour clock** 00 00 to 23 59
- **Timetable** shows when buses or trains leave each stop
- **Duration** how long something lasts
- **Arrive / depart** get there / leave

Exam tips

- Count on in steps: to the next hour, then hours, then minutes.
- Never use a calculator for 08 45 − 07 20 as decimals.
- Change minutes to hours by ÷ 60.
- Timetables: read down a column for one journey.
- Add walking times before and after the bus.
- Write a conclusion: “Yes, she arrives at 09 13”.

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Time and timetables · Extra topic · Learn the method

Worked example

QUESTION

Amy leaves home at 08 00. She walks 7 minutes to the bus stop. She gets the 08 09 bus, which arrives in Bolton at 08 58. Then she walks 15 minutes to work.

Does she get to work by 09 20?

ANSWER

1. At the bus stop: 08 00 + 7 minutes = 08 07
2. The 08 09 bus arrives in Bolton at 08 58
3. Walk: 08 58 + 15 minutes = 09 13

Yes, she arrives at 09 13

Follow the journey step by step.

How to do it

1. Write the start time.
2. Add each part of the journey in turn.
3. Use the timetable: find the first bus after you reach the stop.
4. Count on to find time gaps.
5. Answer the question with the times.

Model answer:

Yes, she arrives at 09 13

Watch out

- Treating time like a decimal (1.45 h is not 1 h 45 min).
- Reading across a row instead of down a column.
- Forgetting the walk at the end.