

Lesson 63 MEASURES

Units of time and how they relate

WHAT THIS LESSON TEACHES

Each unit of time is made of a fixed number of the unit below it: 60 seconds fill one minute, 60 minutes fill one hour, 24 hours fill one day, and 7 days fill one week. To change a bigger unit into a smaller one, multiply.

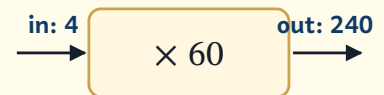
→ 3 hours = $3 \times 60 = 180$ minutes.

→ 6 weeks = $6 \times 7 = 42$ days.

MODEL THIS ON THE BOARD

MINUTES IN 4 HOURS

- 1 One hour holds 60 minutes.
- 2 There are 4 hours, so multiply 4×60 .
- 3 $4 \times 60 = 240$.



ANSWER KEY

a) 1 minute: 60 seconds

b) 1 hour: 60 minutes

c) 1 day: 24 hours

d) 1 week: 7 days

e) 1 year: 12 months

Q1: 300 minutes

Q2: 72 hours

Q3: 35 days

Q4: 120 minutes

Q5: 216 hours

a) Always — Each hour becomes 60 minutes, so multiplying makes the count bigger.

b) Never — $2 \times 60 = 120$, so 2 hours is 120 minutes, not 100.

c) Always — 1 week = 7 days, so any whole number of weeks $\times 7$ is a whole number of days.

d) Sometimes — Only when the number of days is a multiple of 7. 14 days is 2 weeks, but 10 days is not.

EXTENSION SHEET · STRETCH ANSWERS

S1: 2 h 55 min

S2: 19:45

S3: 12:28

S4: 12:50 pm ↔ 12:50

S5: 06:38