

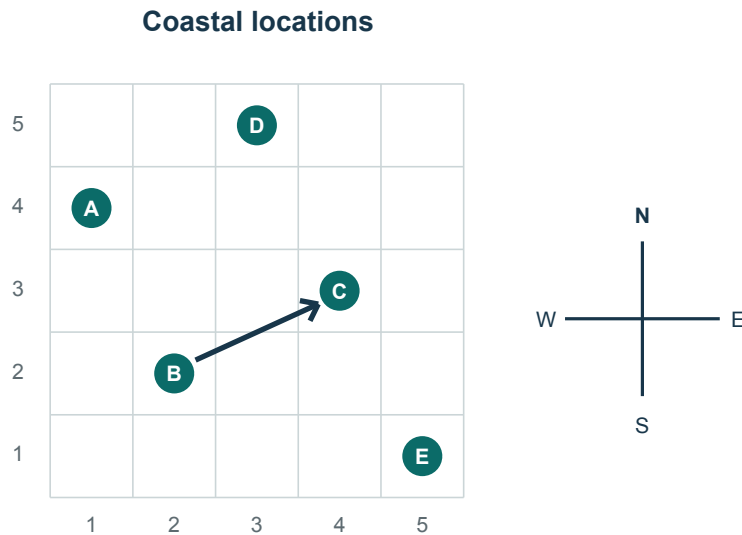
INDEPENDENT PRACTICE MATERIAL

Worksheet 4: Coastal walk

US 32406 | 7 items | Untimed | Use a ruler, blank paper and standard calculator as needed.

QUESTION 4 | Coastal walk

4(a) The map shows five marked locations. The first coordinate is read along the horizontal axis.



Which letter is at coordinate (4, 3)?

- (i) A
- (ii) B
- (iii) C
- (iv) D
- (v) E

4(b) On a printed route map, the walking route measures 7.2 cm. The scale is 1 cm represents 1.5 km.

What is the real route distance, in kilometres?

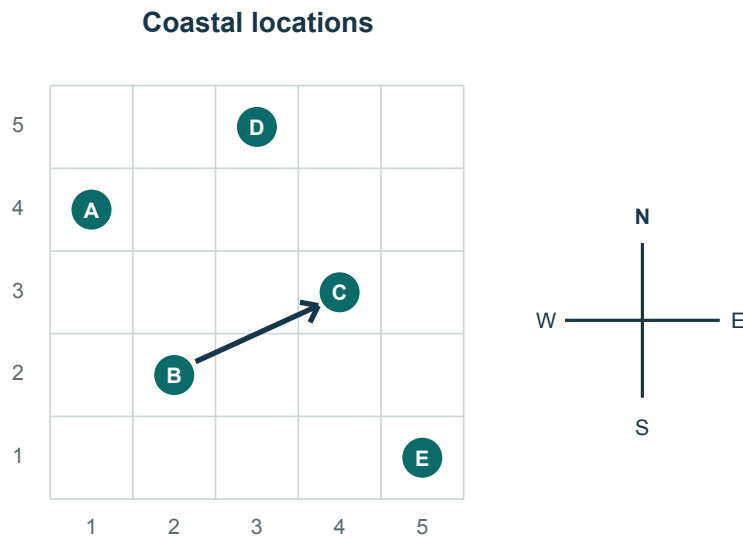
km

4(c) A walker travels 10.8 km at an average speed of 4.5 km per hour.

How many minutes does the walking take?

minutes

- 4(d) Use the same map. A walker travels in a straight line from B to C.



Which direction best describes the path from B to C?

- (i) North
 - (ii) East
 - (iii) North-east
 - (iv) South-west
 - (v) West
- 4(e) A park notice gives a 3 in 10 chance of rain. A phone forecast gives a 35% chance. A walker says, 'Those forecasts are about the same.'

Do you agree? Explain using a fraction, decimal or percentage.

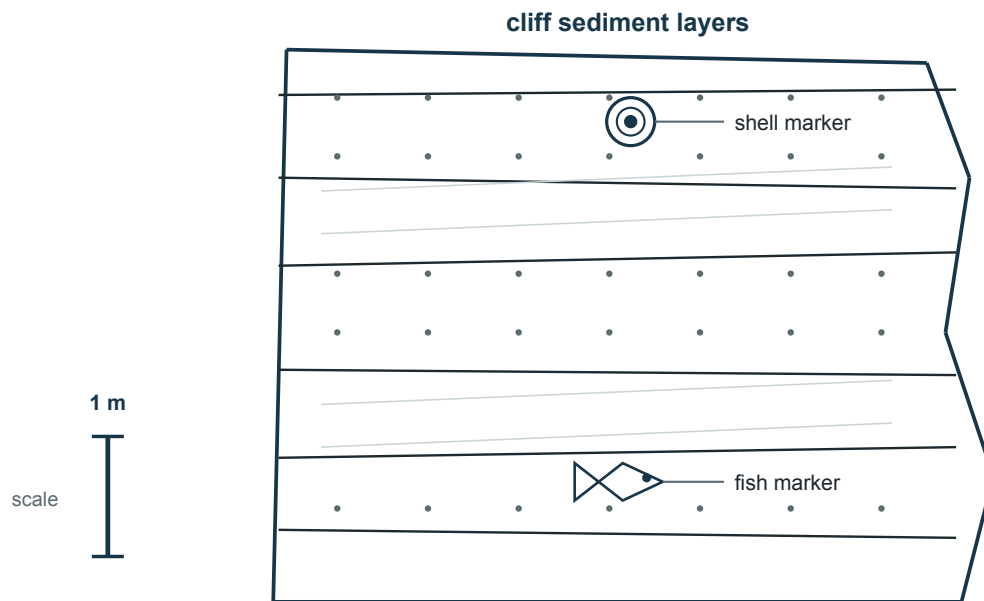
Write your explanation below.

- 4(f) The walk starts at 9:25 am. The walking time is 2 hours 24 minutes, and the group also takes a 35-minute break.

What time does the group finish?

 time

- 4(g) Sediment builds up at a steady rate of 1 centimetre every 40 years. The diagram is drawn to scale.



About how many years separate the shell marker and the fish marker?

years