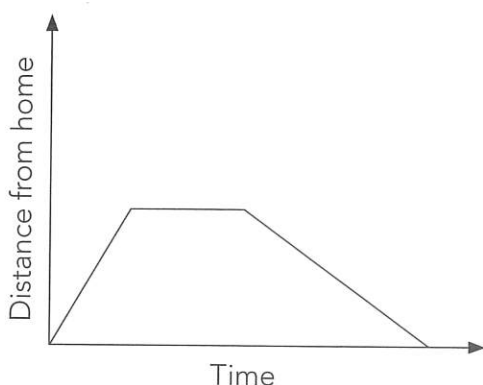# Practice 3

**1**  **a**  Melissa went to the supermarket and bought these items:
- 1 kg of grapes, at $6.50 per kilogram
- 2 bottles of juice, at $1.55 each
- a loaf of bread, $3.30 each
- 1.5 kg of ham, at $20 per kilogram.

How much change should Melissa receive from a $50 note? _____

**b**  Her watch tracked her trip to the shop and produced this graph:
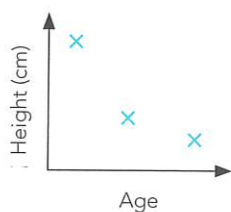
Which of these statements best fits the graph?

☐ She walked up the hill, did her shopping and ran down the hill to home.

☐ She walked northeast, did her shopping and then went home.

☐ She ran to the shop, did her shopping and then walked home.

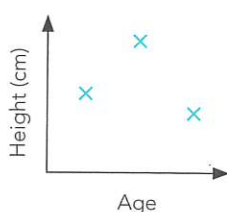☐ She walked to the shop, did her shopping and then ran home.

**c**  She left home at 1439 hours and the trip to the shops and back took 35 minutes. At what time did she arrive home?
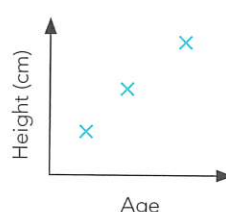
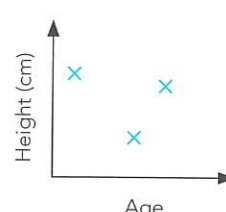☐ 1474 hours   ☐ 1504 hours   ☐ 1514 hours   ☐ 1574 hours

**2**  **a**  Simon graphed the age and height of members of his family. Which graph represents the data in the table?

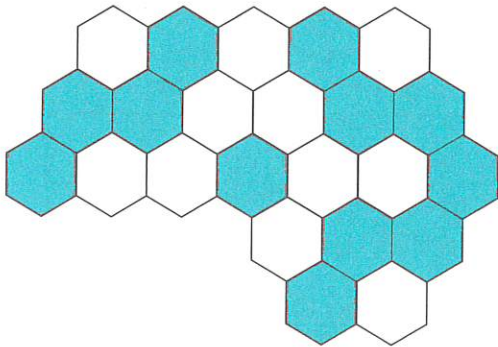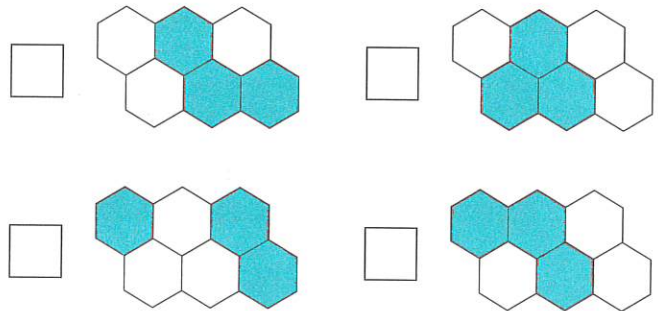|  | Susie | Cam | Arnold |
|---|---|---|---|
| **Age** | 5 | 10 | 15 |
| **Height (cm)** | 120 | 145 | 180 |

☐    ☐    ☐    ☐

**b**  A year ago, Arnold was 1.67 m tall.
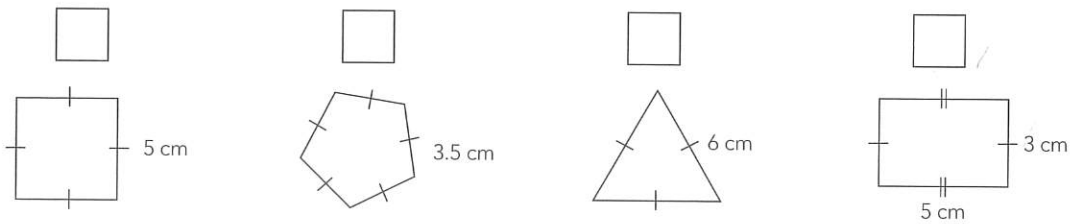How much has he grown during the last year? _____ cm

**3** Some tiles are missing from this pattern.

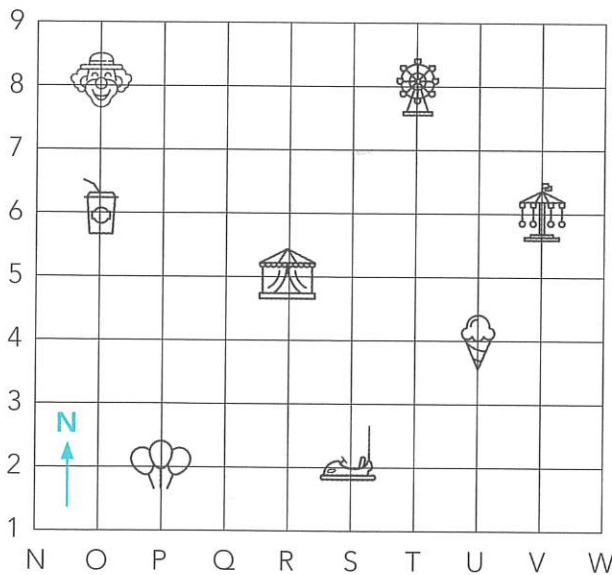When complete, the pattern has two lines of symmetry. Which of these is the missing part of the pattern?



□          □

□          □

**b** Each hexagon tile has a perimeter of 18 cm. Which of these tiles has the same perimeter?

□                    □                    □                    □

5 cm          3.5 cm          6 cm          3 cm
                                              5 cm

**c** Each tile costs $4.50. Calculate the cost of the tiles needed for the compete pattern.

$_____

**4** The diagram shows the layout of the fairground, with the big tent near the centre.



**Key:**

🤡 Clown

🎡 Ferris wheel

🥤 Drinks stall

⛺ Big tent

🍦 Ice cream stall

🚗 Bumper cars

🎠 Carousel

🎈 Balloons

**a** Write the coordinates for the ice cream stall.          _____

**b** Eli is at the big tent and wants to see the clown. In which direction should he walk?

□ NW          □ NE          □ SW          □ SE