

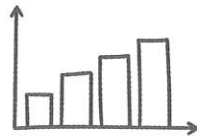
Practice 4

- 1 One hundred Year 10 students wrote down the average number of hours (to the nearest hour) they spend exercising each day. The results are below.

Average daily exercise (hours)	0	1	2	3	4	5
Number of students	12	41	23	12	9	3

- a Select the graph type that is most suitable for displaying this data.

A bar graph



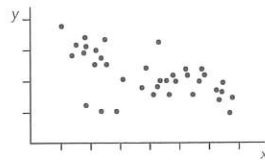
A pie graph



A strip graph



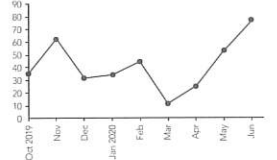
A scatter graph



A pictograph



A line graph



- b Place a tick beside any true statements (there may be more than one):

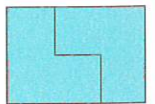
Over 90% of students did at least one hour's exercise per day.

At least half the students did less than two hours' exercise per day.

A quarter of the students did more than two hours' exercise per day.

10% of students did at least three hours' exercise per day.

- 2 a Rachelle is tiling her kitchen with this design:
What single transformation has she used to create this pattern?



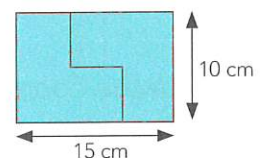
Reflection

Rotation

Enlargement

Translation

- b Two tiles arranged like this are 15 cm long.
How many **tiles** will she need to complete a
1.8 m horizontal strip?



12

24

120

240

- c Calculate the perimeter of one tile.

Perimeter = _____ cm

- 3 a The Smith family went on a holiday. At the end of their trip, the odometer (measures the total distance the car has travelled) in their car read:



On their trip, they travelled 427 km.

What was the odometer reading at the start of their trip? _____

- b The family left home at 8.41 in the morning and didn't reach their destination until 4.53 pm. How long were they travelling for?

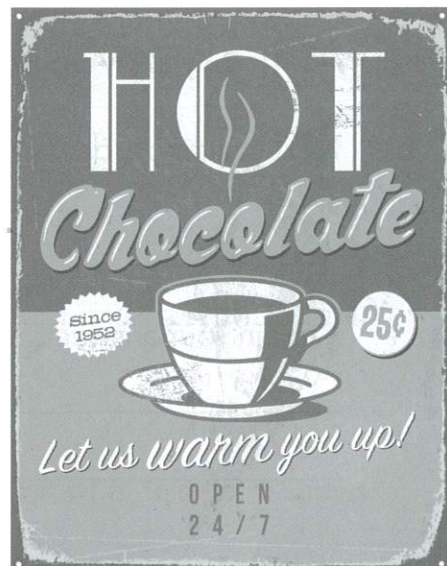
- 7 hours and 12 minutes
 7 hours and 52 minutes
 8 hours and 12 minutes
 8 hours and 52 minutes

- 4 a The school canteen has made up 5 L of hot chocolate drink. Each cup they sell contains 250 mL. If they sell seven cups of hot chocolate, how much is left?

- 3250 mL
 4750 mL
 0.325 L
 4.750 L

- b Hot chocolate drink is made by mixing hot chocolate powder with boiling water. This is the label on the back of a hot chocolate drink powder container:

Nutrition Facts	
6 servings per container	
Serving size	1 cup (230g)
Amount per serving	
Calories	250
% Daily Value*	
Total Fat 12g	14%
Saturated Fat 2g	3%
Trans Fat 10g	11%
Cholesterol 8mg	3%
Sodium 210mg	9%
Total Carbohydrate 34g	12%
Dietary Fiber 7g	25%
Total Sugars 5g	
Includes 4g Added Sugars	8%
Protein 11g	



How many calories does the container hold? _____

- c How many grams of fat are there in two servings of chocolate milk?

- 28%
 28 g
 12 g
 24 g