

Test 2: Calculator allowed



Instructions

- A correct answer scores 1 mark, and an incorrect answer scores 0.
- Marks are not deducted for incorrect answers.
- No marks are given if more than one answer alternative is shaded.
- Choose the alternative which most correctly answers the question and shade in the box next to it.

QUESTION 1

Which number is 6 thousandths?

☐ 0.06

☒ 0.006

☐ 0.6

☐ 6000

SHADE ONE BOX



QUESTION 2

What is the value of $762 - 654$ equivalent to?

☐ 102

☒ 108

☐ 112

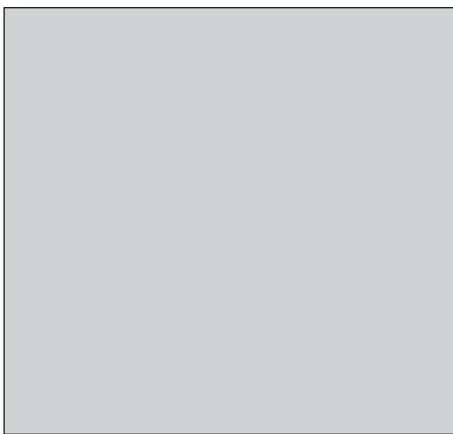
☐ 118

SHADE ONE BOX



QUESTION 3

The area of a rectangle is 306 cm^2 . If its length is 18 cm, what is its width?



Not to
scale

18 cm

☐ 3708 cm

☒ 17 cm

☐ 648 cm

☐ 19 cm

SHADE ONE BOX

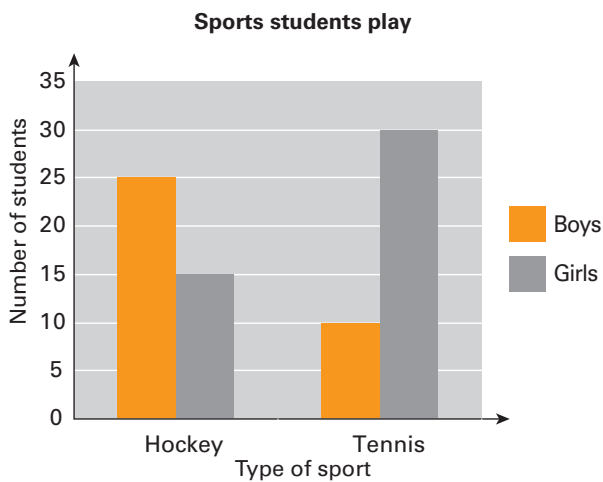


QUESTION 4



WRITE YOUR OWN ANSWER

This graph shows which students play hockey and tennis at a school.



Use the information in the graph to complete this table.

	Hockey	Tennis
Boys	25	10
Girls	15	30

QUESTION 5

David walked for 30 seconds. He walked at a speed of 5 m per second.

How far did David walk?

- ☐ 6 m
 ☐ 35 m
 ☒ 150 m
 ☐ 200 m

SHADE ONE BOX



QUESTION 6

What is $\frac{7}{10} - \frac{1}{10}$ equivalent to?

- ☐ $\frac{3}{4}$
☒ $\frac{3}{5}$
☐ $\frac{1}{2}$
☐ $\frac{2}{5}$

SHADE ONE BOX



QUESTION 7

$$\triangle + \triangle \times \square = 48$$

$$\triangle + \square = 15$$

For the number sentences shown above, what are the values of \triangle and \square ?

- ☒ $\triangle = 4$ and $\square = 11$
☐ $\triangle = 6$ and $\square = 9$
☐ $\triangle = 8$ and $\square = 5$
☐ $\triangle = 2$ and $\square = 13$

SHADE ONE BOX



QUESTION 8

SHADE ONE BOX

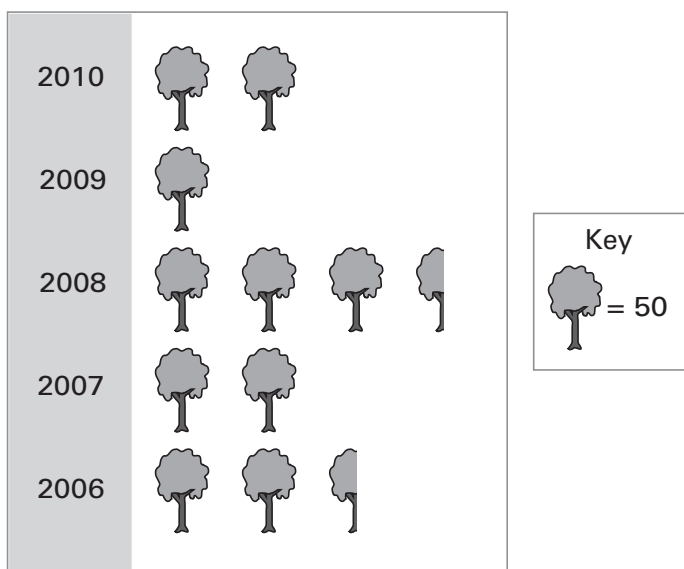
How many hours and minutes are there between 9.36 a.m. and 4.21 p.m. on the same day?

☒ 6 h 45 min☐ 6 h 57 min☐ 7 h 45 min☐ 7 h 57 min**QUESTION 9**

SHADE ONE BOX

The number of trees planted in the suburb of Lyneville over five years is shown below:

Trees Planted in Lyneville



What is the total number of trees planted over the five years?

☐ 600☒ 550☐ 500☐ 450**QUESTION 10**

SHADE ONE BOX

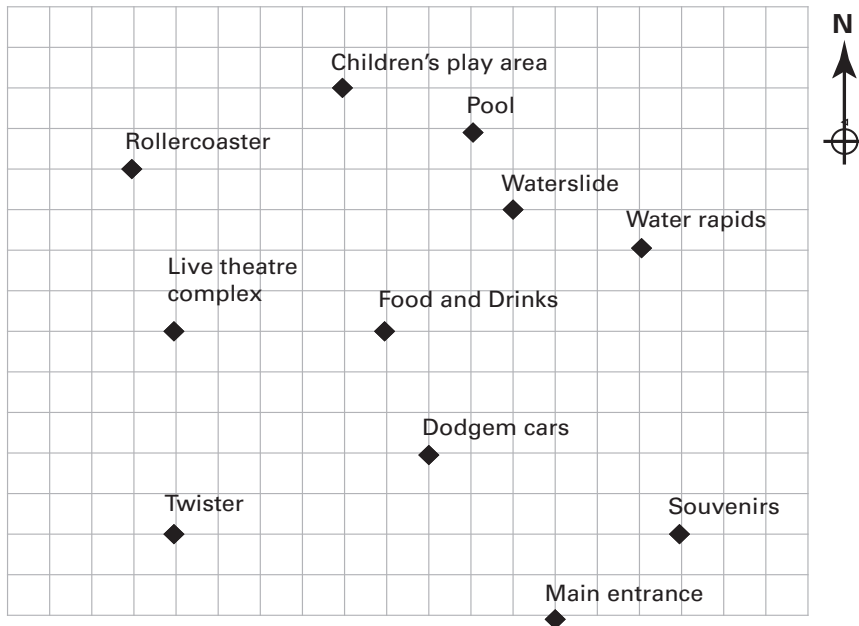
The ratio of rainy days to sunny days over 140 consecutive days is 3 to 7.

How many rainy days were there?

☒ 42☐ 60☐ 98☐ 112

QUESTION 11**WRITE YOUR OWN ANSWER**

This is a map of an amusement park. The main attractions are shown on the map below.



Joshua is at the food and drinks stand. What attraction is positioned north-east of Joshua?

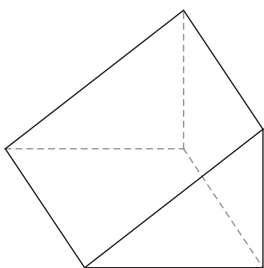
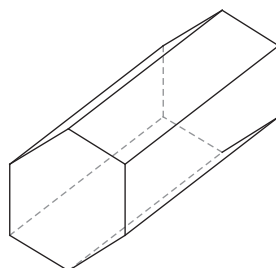
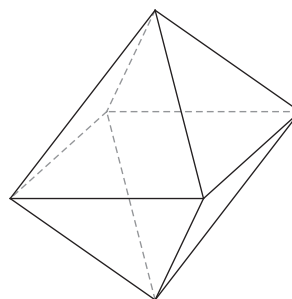
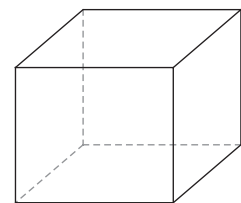
Water slide

QUESTION 12

What is the same as 1 L and 60 mL?

SHADE ONE BOX☐ 160 L☒ 1.06 L☐ 1006 mL☐ 1.6 mL**QUESTION 13**

Which two objects have exactly the same number of edges?

SHADE ONE BOX**A****B****C****D**☐ A and D☐ A and C☐ B and C☒ C and D

QUESTION 14**WRITE YOUR OWN ANSWER**

The table below shows the temperature in Hazelfields over five days.

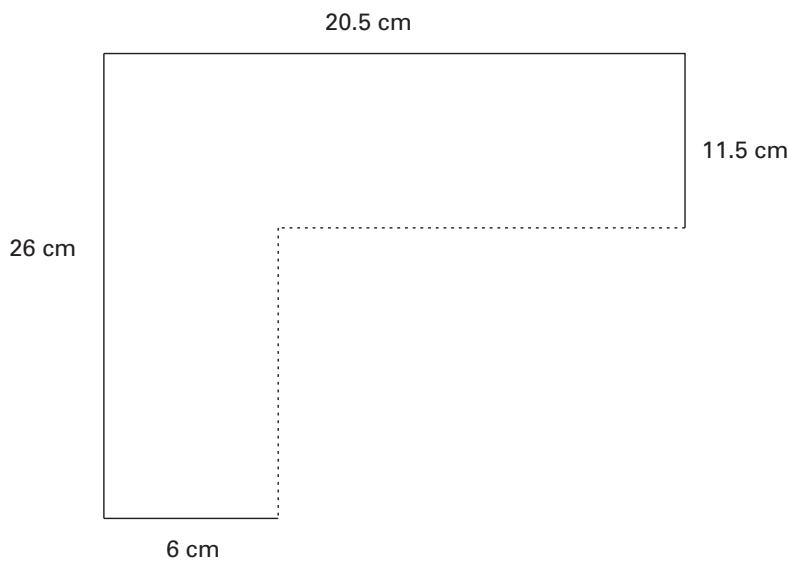
Temperature in Hazelfields	
Day	Temperature (°C)
Monday	23
Tuesday	25
Wednesday	21
Thursday	28
Friday	33

What is the average (mean) temperature for these five days?

Average =

QUESTION 15**SHADE ONE BOX**

In the shape below, what is the total length of the two sides with dotted lines?



- ☐ 14.5 cm
☐ 17.5 cm
☒ 29 cm
☐ 31 cm

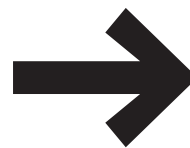
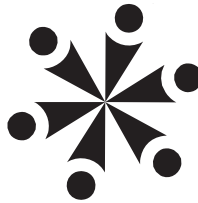
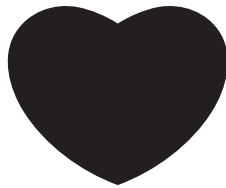
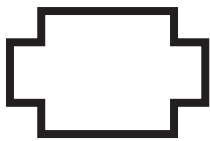
QUESTION 16**SHADE ONE BOX**

A movie theatre can hold 400 people. At a movie screening, 236 people watched the movie. The percentage of movie theatre seats that were occupied during this movie screening is closest to:

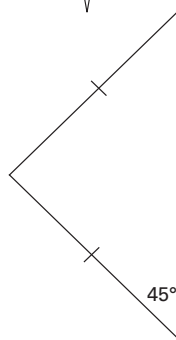
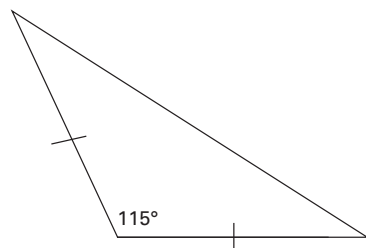
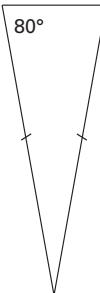
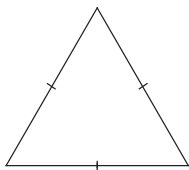
- ☐ 40% ☐ 50% ☒ 60% ☐ 70%

QUESTION 17

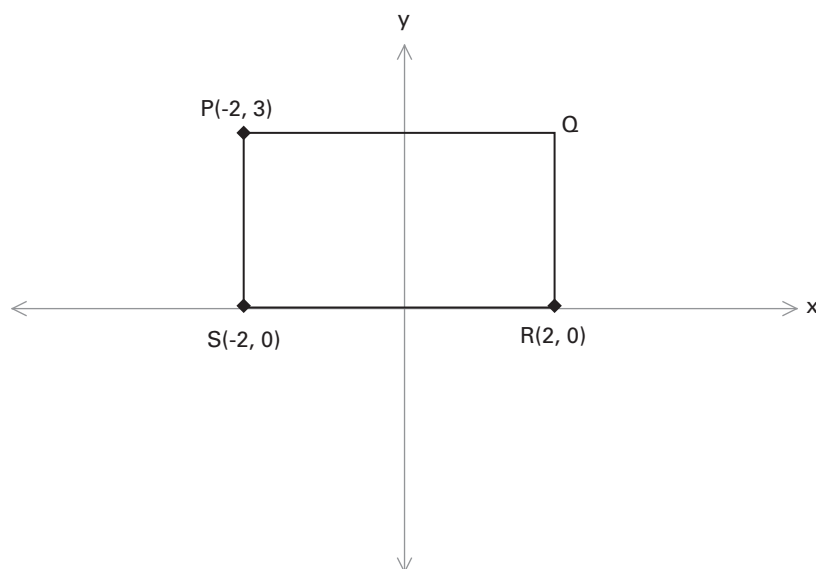
Which object has exactly two lines of symmetry?

SHADE ONE BOX**QUESTION 18**

Which one of these is a right-angled isosceles triangle?

SHADE ONE BOX**QUESTION 19**

The diagram below shows a rectangle.

**WRITE YOUR OWN ANSWER**

What are the coordinates of point Q?

Q(2,3)

QUESTION 20**WRITE YOUR OWN ANSWER**

Megan bought these items from the supermarket:

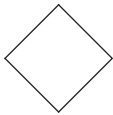
- 1 kg grapes, at \$7.50 per kilogram
- 2 bottles of juice, \$1.43 each
- 1 magazine, \$6.80
- 3 loaves of bread, \$2.90 each
- 2.5 kg of sausages, at \$6.70 per kilogram.

How much change will Megan receive from a \$50 note? Answer to nearest five cents.

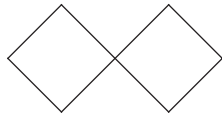
\$ 7.40

QUESTION 21**SHADE ONE BOX**

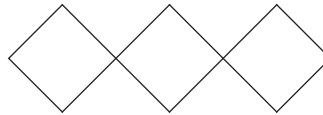
Emma is making this pattern out of sticks.



Shape 1



Shape 2



Shape 3

The table below shows the number of sticks she needs for each shape in the pattern.

Shape	1	2	3	4
Number of Sticks	4	8	12	?

How many sticks are needed to make shape 4?

- ☐ 15
- ☒ 16
- ☐ 20
- ☐ 24

QUESTION 22**SHADE ONE BOX**

What is the value of $\frac{1}{4} + \frac{3}{5}$?

☐ $\frac{1}{5}$

☐ $\frac{4}{9}$

☐ $\frac{7}{10}$

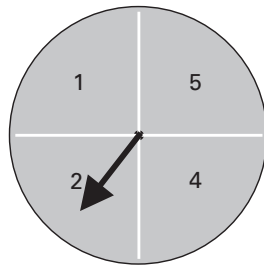
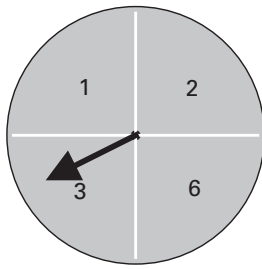
☒ $\frac{17}{20}$

QUESTION 23

SHADE ONE BOX



Harry spins these two arrows. He adds the numbers in the sections where the arrows stop and gets a sum of 5.



Harry then spins the arrows again. In how many different ways can he get a sum of 7?

☐ 1

☐ 2

☒ 3

☐ 4

QUESTION 24

SHADE ONE BOX



Stephen's water bill was \$160 last month. This month it is \$120. What percentage decrease is this?

☐ 20%

☒ 25%

☐ 40%

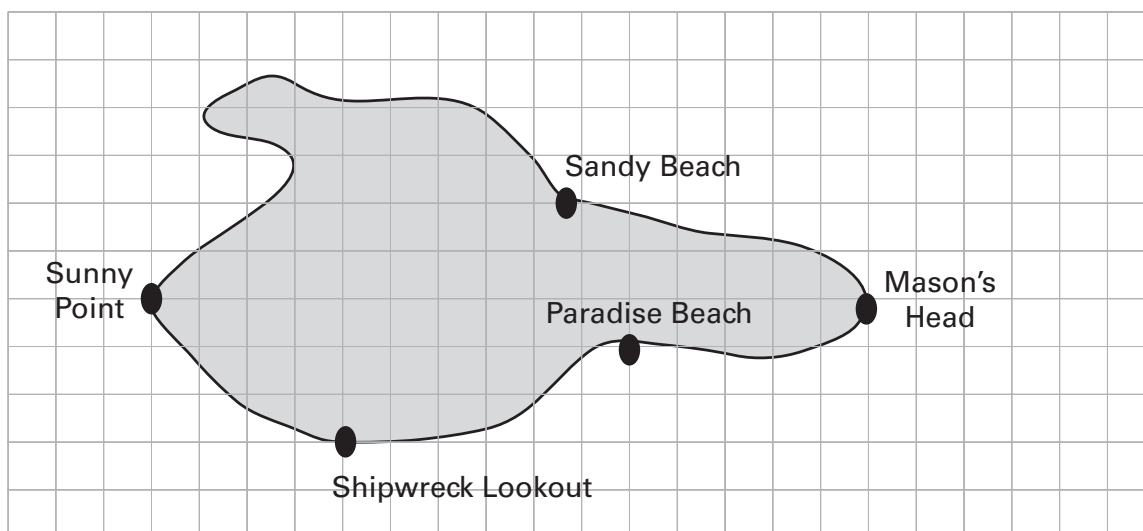
☐ 75%

QUESTION 25



WRITE YOUR OWN ANSWER

Here is a map of Camper's Island.



If 1 unit is equivalent to 1.5 km, find the shortest distance between Sunny Point and Mason's Head.

22.5 km

QUESTION 26

SHADE ONE BOX



I start with a number and add 6. I then multiply the answer by 3 and subtract 11. The answer is 61. What is the number I started with?

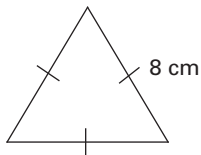
☐ 25☐ 24☒ 18☐ 12**QUESTION 27**

SHADE ONE BOX

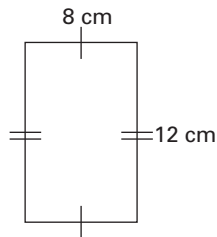


Which two shapes have the same perimeter?

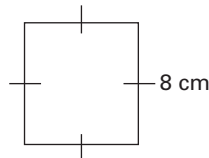
A



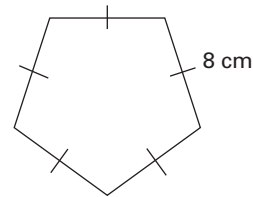
B



C



D

☐ A and C☐ B and C☒ B and D☐ A and D**QUESTION 28**

SHADE ONE BOX



Marcus counted 60 vehicles that crossed a bridge. This table shows the percentage of each type of vehicle that crossed the bridge.

Type of vehicle	Percentage
Car	45%
Bus	35%
Truck	15%
Motorbike	5%

How many buses crossed the bridge?

☐ 18☒ 21☐ 27☐ 35**QUESTION 29**

SHADE ONE BOX

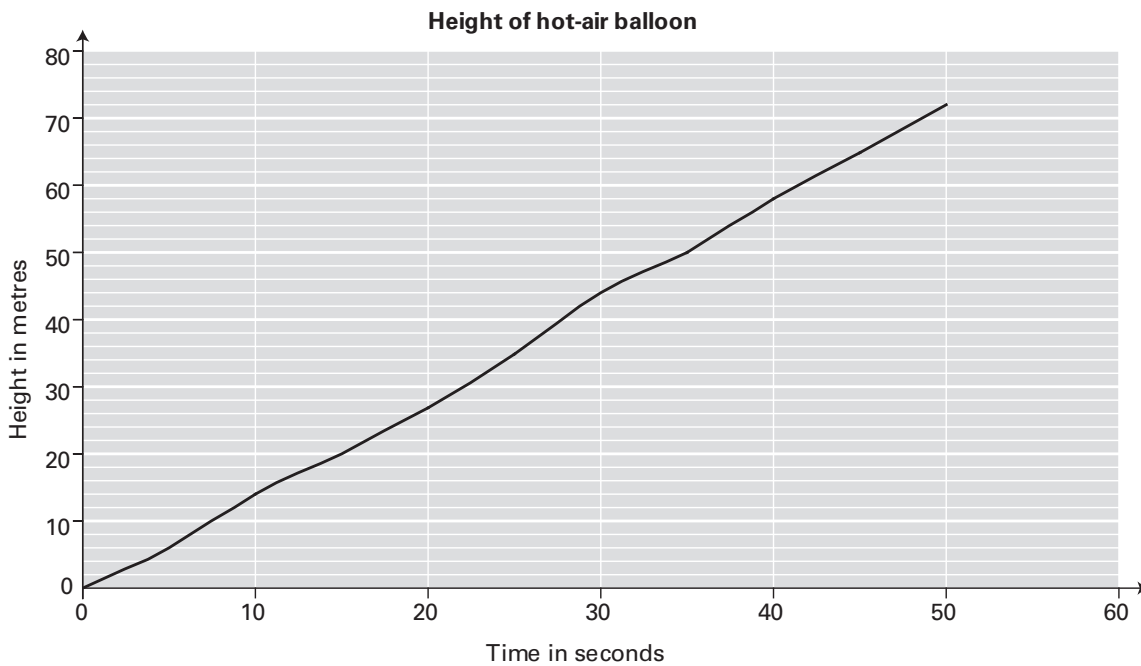


A school canteen made 2 L of hot chocolate to sell at recess. Each cup of hot chocolate was 250 mL. If Vanessa and her six friends each bought a cup at recess, how much hot chocolate was left?

☒ 0.25 L☐ 0.5 L☐ 1.5 L☐ 1.75 L

QUESTION 30**WRITE YOUR OWN ANSWER**

The graph below shows the height of a hot-air balloon after it leaves the ground.



From the graph, find the height of the hot-air balloon after 30 seconds.

m

QUESTION 31**WRITE YOUR OWN ANSWER**

Two friends, Lindsay and Harun, ordered a large pizza. A large pizza has 12 slices. If Lindsay ate one-third of the pizza and Harun ate one-quarter, how many slices of pizza did the boys eat altogether?

slices

QUESTION 32**SHADE ONE BOX**

A farmer counted the total number of heads and legs of his sheep and chickens. There were 20 heads and 64 legs altogether. How many chickens did the farmer have?

☒ 8☐ 10☐ 11☐ 12