

[Turn over

- 1 Mia counts on in steps of 1
She starts at 0.5

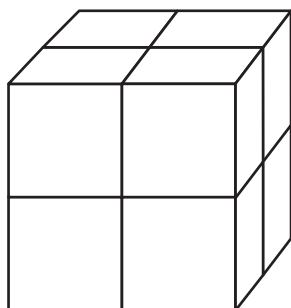
0.5

.....	
-------	-------

Complete the boxes to show the next **two** numbers Mia says.

[1]

- 2 Hassan uses some 1 centimetre cubes to make a larger cube.
Here is a drawing of Hassan's cube.



not to scale

Write the number of 1 centimetre cubes that Hassan uses.

..... [1]

- 3 A chef needs 400 grams of rice for 8 people.

Calculate the mass of rice the chef needs for 16 people.

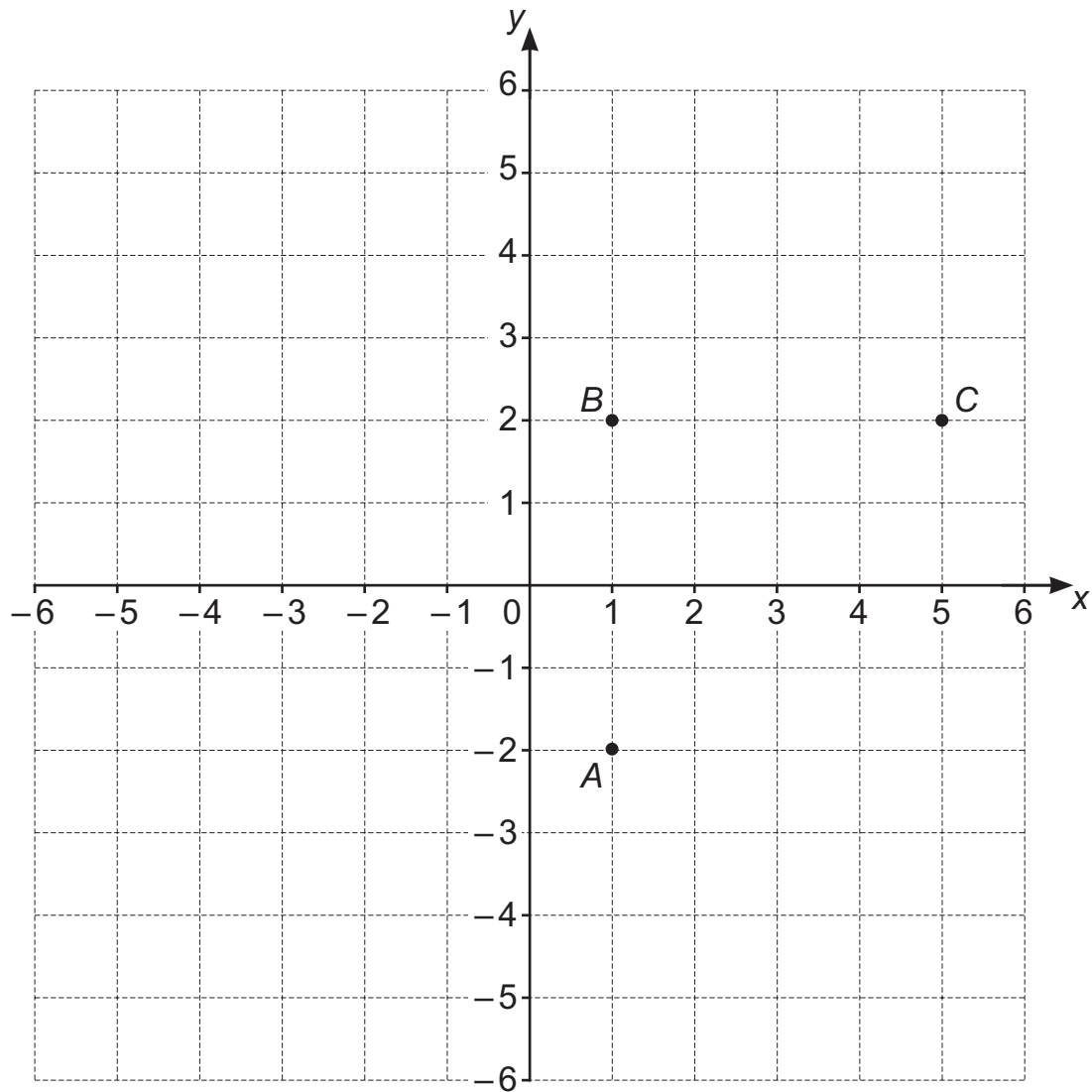
..... grams [1]

4 Calculate.

$$-7 - 4$$

..... [1]

5 Here are points A , B and C plotted on a coordinate grid.



(a) Write the coordinates of point A .

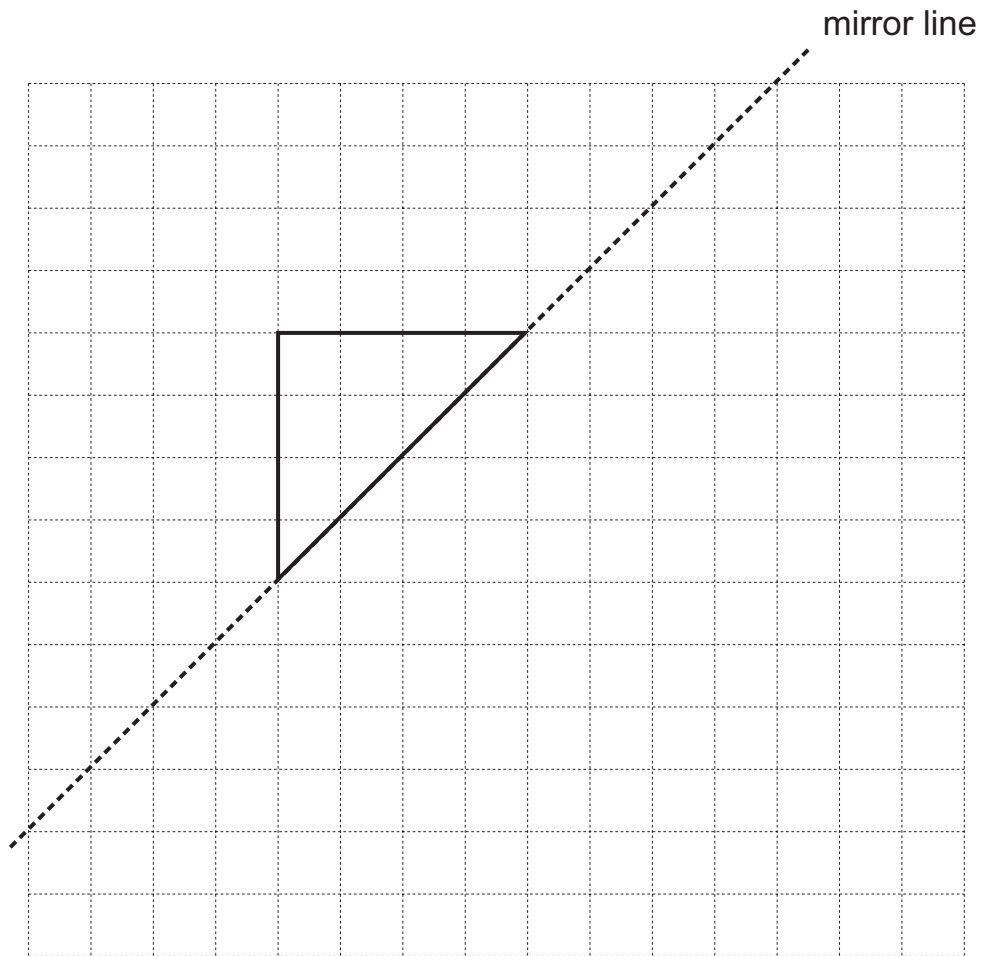
(..... ,) [1]

(b) $ABCD$ is a square.

Plot point D on the grid.

[1]

- 6 Here is a triangle drawn on a grid of squares.



Draw the reflection of the triangle in the mirror line.

[1]

- 7 Write numbers in the boxes to complete the calculations.

$$\frac{2}{5} \times 2 = \frac{\boxed{}}{\boxed{}}$$

$$\frac{6}{10} \div 2 = \frac{\boxed{}}{\boxed{}}$$

[2]

- 8 A postman delivers 2250 letters each day for 3 days.

Calculate the **total** number of letters the postman delivers.

..... letters [1]

- 9 Tick (✓) **all** the number sentences that are equal to 62.122

$62 + 122$	
$62 + 0.122$	
$60 + 2 + 0.122$	
$62 + 0.12 + 2$	

[1]

- 10 Write $1\frac{75}{100}$ as a decimal.

..... [1]

11 Chen has four triangles.

Match the description of each triangle to the correct type of triangle.

description	type
it has no lines of symmetry	isosceles triangle
it has 1 line of symmetry	
it has no equal angles	scalene triangle
it has 2 equal angles	

[1]

12 Calculate.

$165 \div 15$

..... [1]

13 Here is a calculation.

$15 + 5 \times 25 \times 2$

Tick (✓) the calculation that gives the same answer.

$20 \times 25 \times 2$	
$15 + 10 \times 25$	
$10 + 15 \times 25$	
$15 + 2 \times 50$	

[1]

14 Here is a fraction.

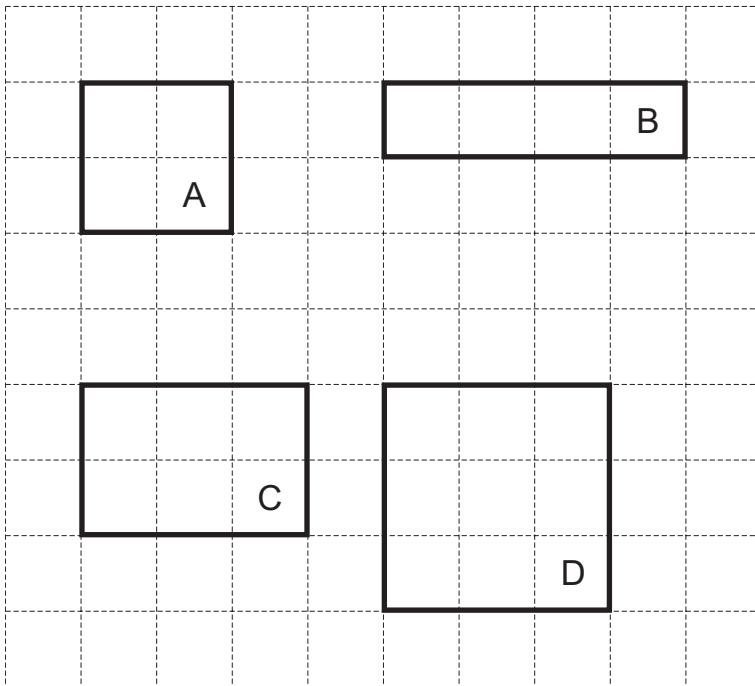
$$\frac{150}{250}$$

Write the fraction in its simplest form.

	/		

[1]

15 Here are some shapes drawn on a grid of squares.



Write letters in the gaps to complete the sentences.

Shape has the same **area** as shape

Shape has the same **perimeter** as shape

[2]

- 16** Oliver wants to investigate the difference between the **highest** temperature and the **lowest** temperature in his garden overnight.

He records the temperature at 8 o'clock in the evening and 8 o'clock the following morning.

State **one** way that Oliver could improve his experiment.

.....

.....

..... [1]

- 17** Naomi draws a circle.
The diameter of her circle is 16 cm.

Calculate the distance between the centre and the circumference of Naomi's circle.

..... cm [1]

- 18** Calculate.

$$\frac{6}{4} + \frac{7}{6}$$

Give your answer as a fraction.

			[1]

19 Calculate.

$$56 \div (12 - 8)$$

..... [1]

20 Draw a ring around **all** the numbers that are divisible by 6

327

408

572

1572

[1]

21 A tin contains 12.5 litres of paint.

Calculate the **total** volume of paint in 18 tins.

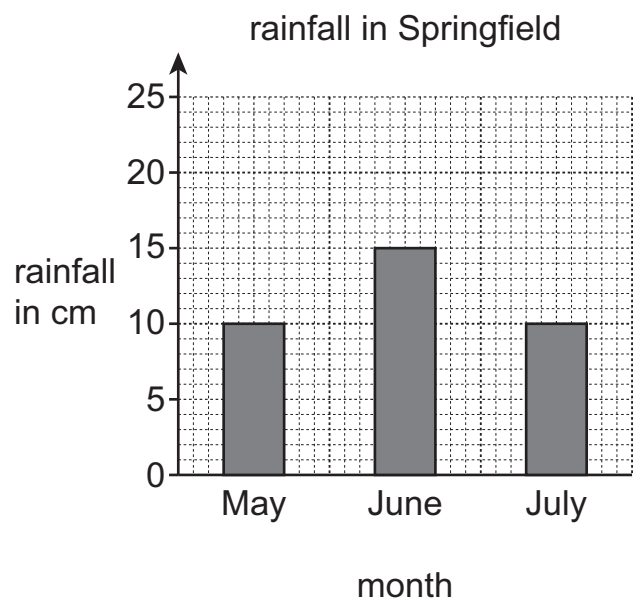
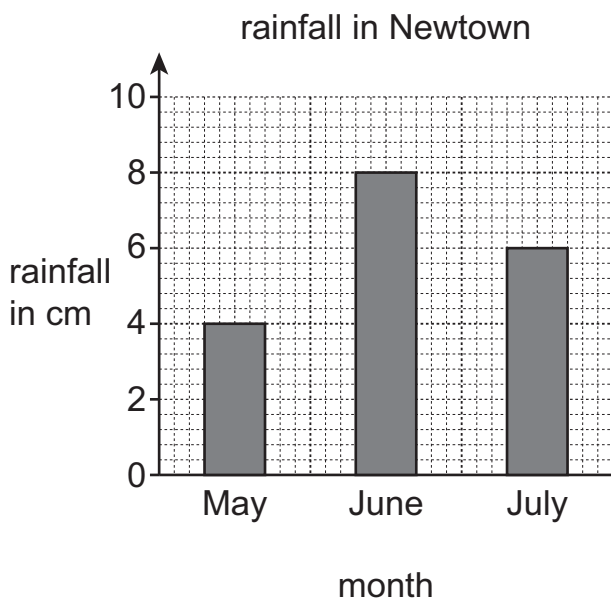
..... litres [1]

22 Calculate.

$$\frac{7}{6} \text{ of } 72$$

..... [1]

23 Here are two bar charts that show the **total** monthly rainfall in Newtown and Springfield.



Lily says,

‘The highest total monthly rainfall was recorded in Newtown in June.’

Lily is **not** correct.

Explain how you know.

.....

.....

..... [1]

- 24** Yuri records the numbers of each type of fruit sold in his shop in one week. Here is his data.

type of fruit	number sold
kiwi	2
banana	8
apple	6
orange	4

Here is a waffle diagram divided into 10 sections.

fruit sold

key

	type of fruit
K	kiwi
B	banana
A	apple
O	orange

Complete the waffle diagram to show Yuri's data.

[2]

- 25** A teacher wants to find out how much time children spend practising during the month before their music examination.

Tick (✓) the question that the teacher asks to collect the data that he needs.

question	
do you usually practise every week	
do you usually practise before school or after school	
how many minutes did you practise yesterday	
how many minutes do you usually practise every week	

[1]

- 26** Write a number in **each** box to complete the calculations.

$$16.4 \times 100 = \boxed{}$$

$$213 \div 1000 = \boxed{}$$

[2]

- 27** Calculate.

$$251.42 - 75.135$$

..... [1]

28 Draw an angle of 210°

Use a protractor and a ruler.
Label the angle.

[1]

29 A builder has 54.9 kilograms of sand.
He divides the sand into 18 equal piles.

Calculate the mass of each pile of sand.

..... kilograms [1]

30 Here are some numbers.

1.1

$\frac{1}{1}$

1.02

$\frac{3}{4}$

$\frac{7}{10}$

Write the numbers in order of size, starting with the smallest.

.....

.....

.....

.....

.....

smallest

largest

[1]

31 Carlos has a bag of counters.
Each counter is red, orange or yellow.

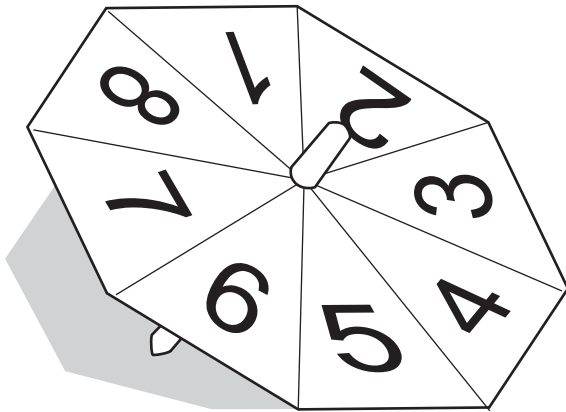
Carlos picks a counter at random.
He has a 1 out of 3 chance of picking a **red** counter.

Complete the table.

counter	number in the bag
red	4
orange	1
yellow	

[1]

32 Anastasia has a spinner.



Anastasia spins the spinner **once**.

Tick (✓) to show if each pair of events is mutually exclusive or not mutually exclusive.

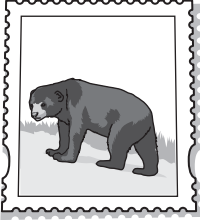
pair of events	mutually exclusive	not mutually exclusive
she spins a 4 she spins a number greater than 5		
she spins a 4 she spins an even number		
she spins a 4 she spins a number smaller than 5		
she spins a 4 she spins a prime number		

[2]

33 Priya has some stamps.

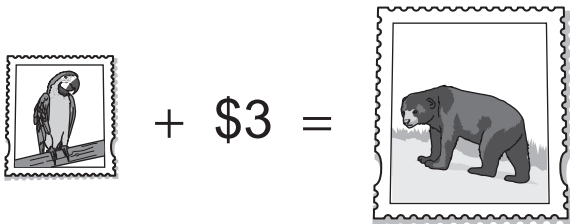


represents the cost of a small stamp in \$

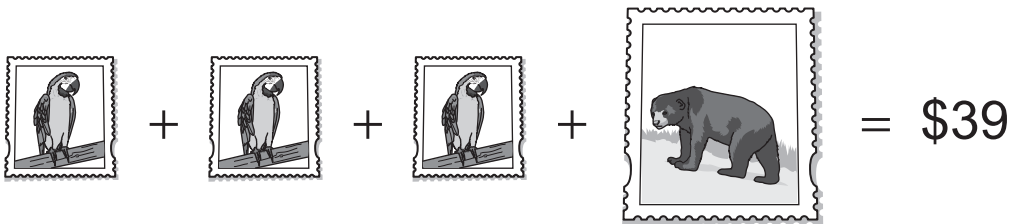


represents the cost of a large stamp in \$

Priya knows that



and



Calculate the cost of each stamp.

Write a number in each gap to complete the statements.



represents \$



represents \$

[2]

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