

Name: _____ Date: _____

Number and place value

1 Circle the prime number.

2 10 21 38

2 The square root of 400 =

3 $3 \times 52 =$ (Circle the correct answer.)

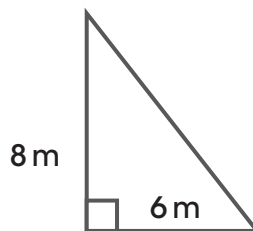
- a $3 \times (50 + 2)$
- b $3 \times (50 \times 2)$
- c $(3 \times 50) \times (3 \times 2)$
- d $(3 + 50) \times (3 \times 2)$

4 $100 + 71 = 71 +$

Using units of measurement

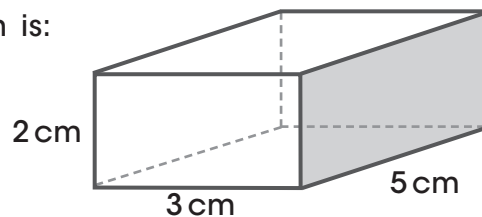
5 The area of the triangle is:

Area =



6 The volume of the rectangular prism is:

Volume =



Real numbers

7 Place the fraction $\frac{2}{3}$ on the number line.



8 $\frac{3}{5}$ of 40 =

9 1.03 written as a fraction is

$$1 \frac{3}{100}$$

10 Complete the table.

Fraction	Decimal	Percentage
$\frac{1}{5}$	0.2	20%
$\frac{9}{10}$	0.9	90%
$\frac{1}{4}$	0.25	25%

Patterns and algebra

11 In $9 + w = 23$, $w =$ (Circle the correct answer.)

a 13

b 12

c 14

d 32

12 Class B was missing 3 students due to illness and 4 students were at music lessons. If there were 20 students in the classroom, how many students were in Class B in total?

$$27$$

Data representation and interpretation

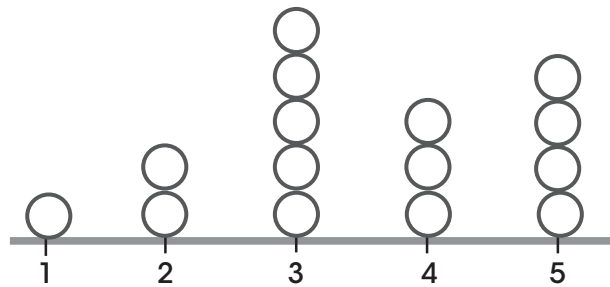
13 For this stem-and-leaf plot of sports scores, how many teams scored more than 50?

$$9$$

Stem	Leaf
3	2 2 3 8 9
4	0 1 3 4 7
5	5 7 8 8 9
6	1 4 5 6

- 14** For the dot plot below, what was the most common number selected?

3



Real numbers

- 15** 12 balls of a set of 60 were returned.
What percentage of the balls was returned?

20%

- 16** In a box, there are 8 fiction books and 6 non-fiction books.
What is the ratio of fiction to non-fiction books?

a 8:6

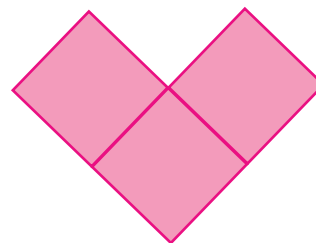
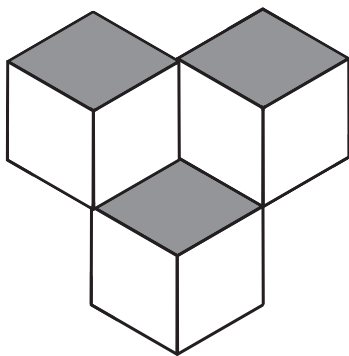
b 6:8

c 2:3

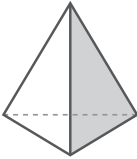
d 3:2

Shape

- 17** Draw the top view of:

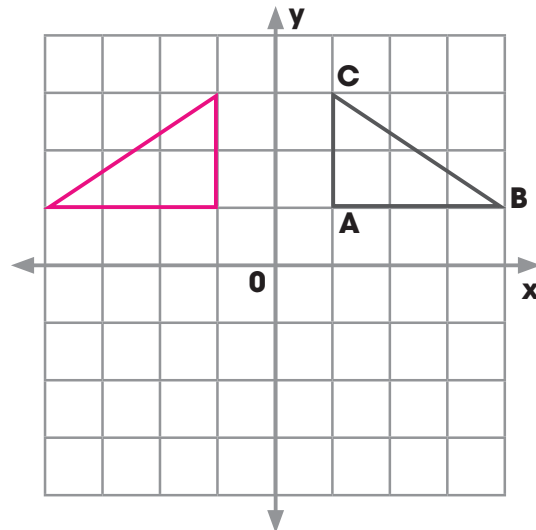


18 Complete the table.

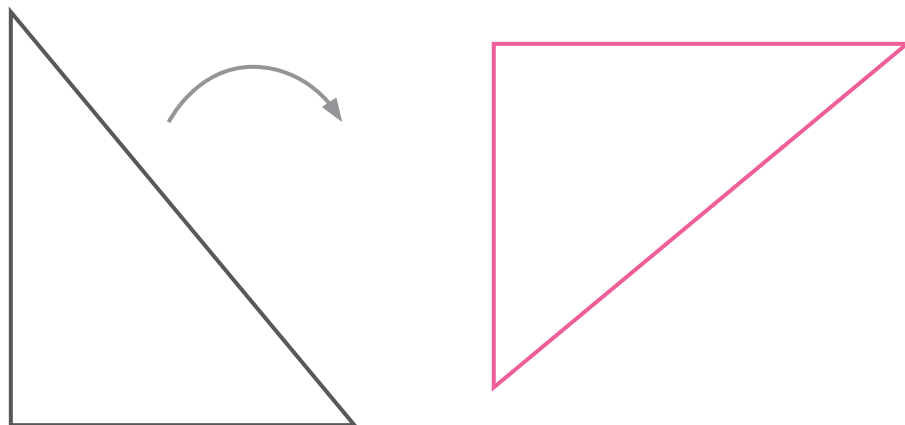
Shape	Name	Number of faces	Number of edges
	triangular-based pyramid	4	6

Location and transformation

19 Reflect the shape in the y-axis.



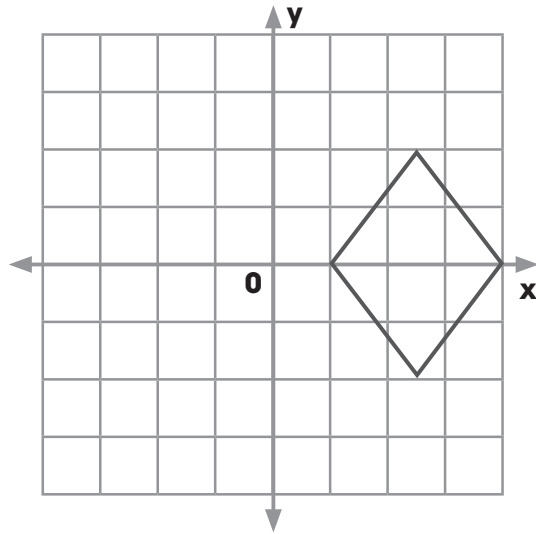
20 Rotate the triangle to the right 90 degrees.



Linear and non-linear relationships

- 21 Give the coordinates of the corners of the diamond.

$(0, 1), (2\frac{1}{2}, 2), (0, 4),$
 $(2\frac{1}{2}, -2)$



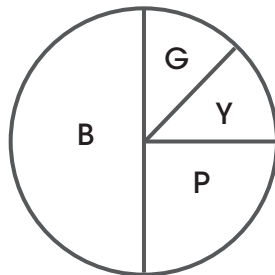
- 22 Complete the table of values for $y = 2x + 1$.

x	0	1	2	3
y	1	3	5	7

Chance

- 23 For the spinner below, what is the chance of landing on P?

$\frac{1}{4}$ or 25%



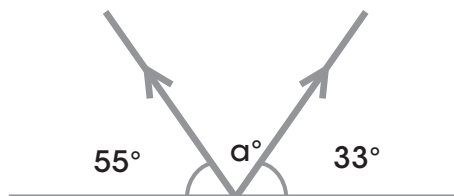
- 24 What is the chance of rolling an odd number on a 10-sided dice?

50%

Geometric reasoning

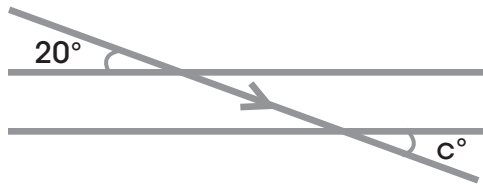
- 25 Find the missing angle value.

$a^\circ = 92^\circ$



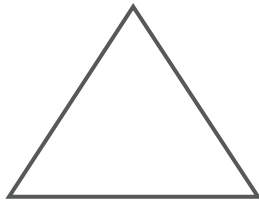
26 Find the missing angle value.

$c^\circ =$

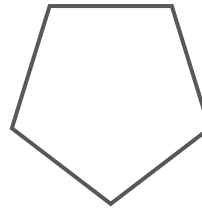


27 Which of the following is a quadrilateral? (Circle the correct answer.)

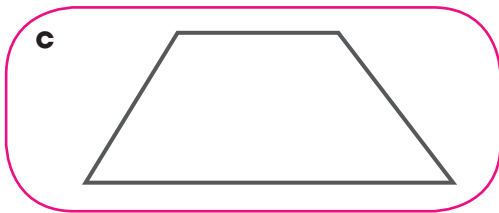
a



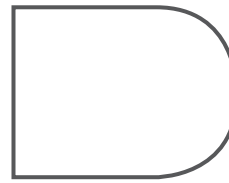
b



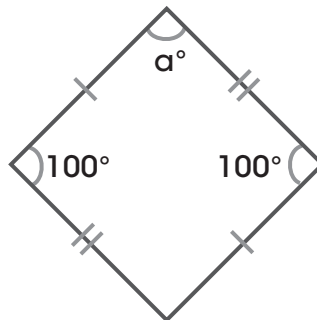
c



d



28 Find the missing angle value.



$a^\circ =$

Data representation and interpretation

29 What is the mean of 2, 8, 7, 6, 1, 3?

30 What is the median of 2, 8, 7, 6, 1, 3?