Test: Student Sheet

6+

Name: _____ Date: _____

Number and place value

1 Circle the prime number.

2   10   21   38

2 The square root of 400 = [ ]

3 3 × 52 =   (Circle the correct answer.)

a 3 × (50 + 2)

b 3 × (50 × 2)

c (3 × 50) × (3 × 2)

d (3 + 50) × (3 × 2)

4 100 + 71 = 71 + [ ]

Using units of measurement

5 The area of the triangle is:

Area = [ ]

8 m

6 m
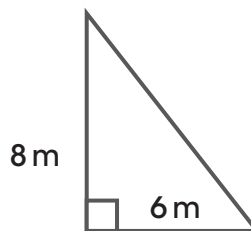
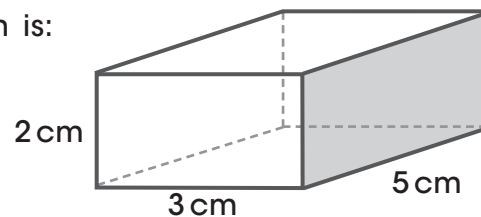**6** The volume of the rectangular prism is:

Volume = [ ]

2 cm

3 cm

5 cm

Real numbers

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

0   1

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

9 1.03 written as a fraction is

10 Complete the table.

Fraction	Decimal	Percentage
$\frac{1}{5}$		
	0.9	
		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?

Data representation and interpretation

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

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?

[ ]


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1   2   3   4   5
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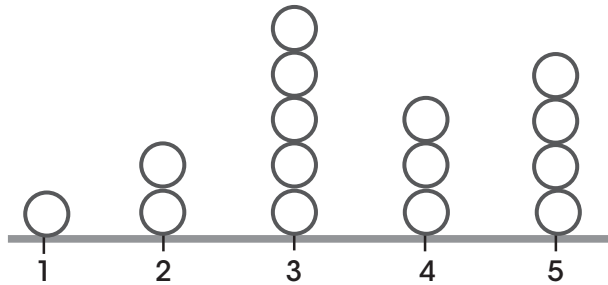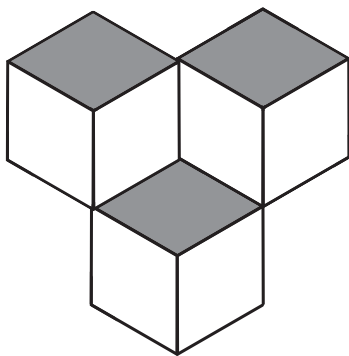
Real numbers

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

[ ]

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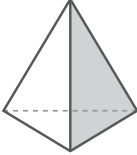What is the ratio of fiction to non-fiction books?

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

Location and transformation
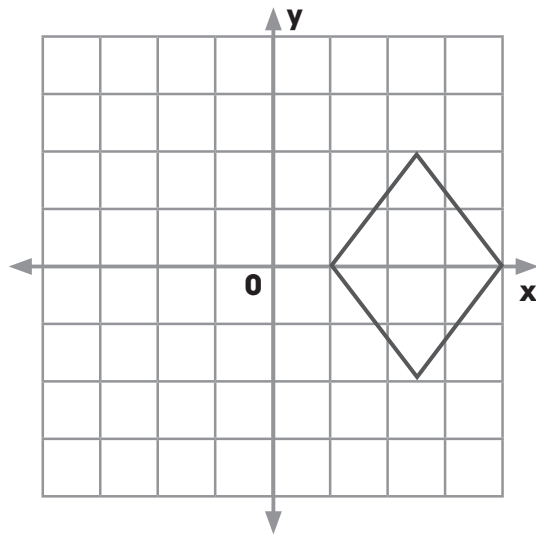
19 Reflect the shape in the y-axis.
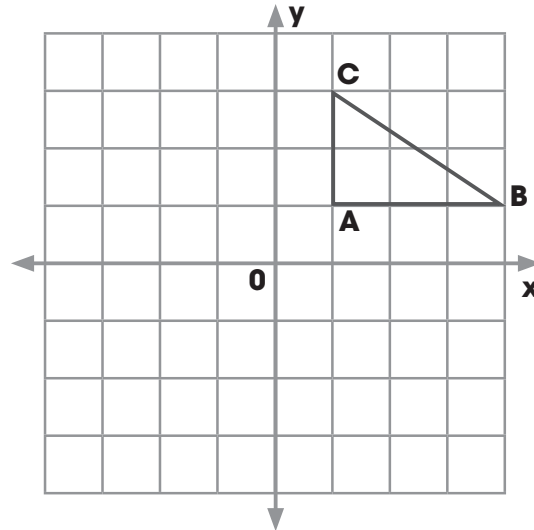
20 Rotate the triangle to the right 90 degrees.
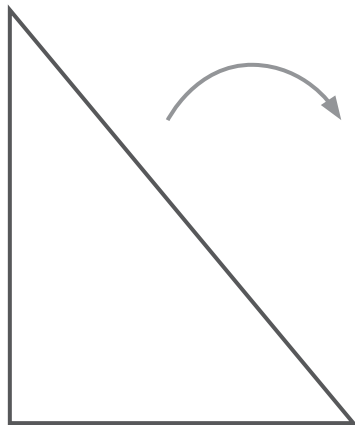
Linear and non-linear relationships
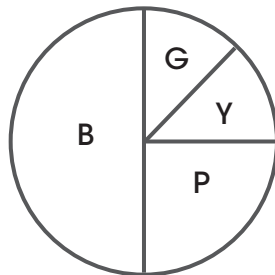
21 Give the coordinates of the corners of the diamond.

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

x	0	1	2	3
y				

Chance

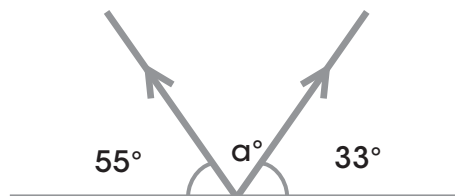**23** For the spinner below, what is the chance of landing on P?

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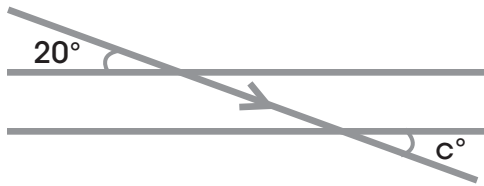
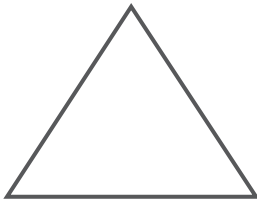## Geometric reasoning

25 Find the missing angle value.

$a° =$

55°   a°   33°

26 Find the missing angle value.

$c° =$ [   ]

20°

c°

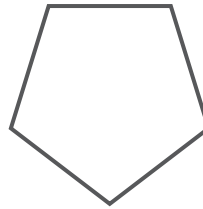**27** Which of the following is a quadrilateral? (Circle the correct answer.)

a

b

c

d
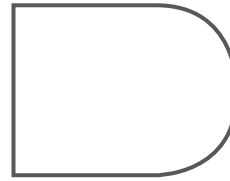
28 Find the missing angle value.

a°

100°   100°
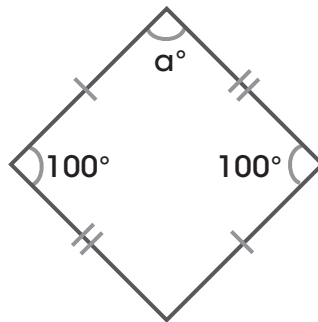
$a° =$ [   ]

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? [   ]