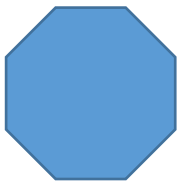
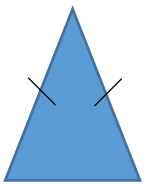
SHAPE NAMES AND FACTS

Name the shapes:





ORDERING NUMBERS (DECIMALS & NEGATIVES)

Put these in ascending order:

a) -2 6 -1 0 -8

b) 0.32 0.3 0.312 0.33 0.4

LISTING OUTCOMES/ PROBABILITY

At a sports camp, the sports on offer for the morning and afternoon are:

Morning	Afternoon
Tennis (T) Football (F) Basketball (B)	Rugby (R) Cricket (C) Golf (G)

List all the combinations of morning and afternoon activity. The first has been done for you.

(T, R)

ROUNDING AND ESTIMATION

Round these numbers to the nearest 10.

a) 4536

b) 56443

c) 542

d) 990

FACTORS/MULTIPLES AND NUMBER PROPERTIES

List the first five multiples of these:

a) 5 5, ___, ___, ___, ___

b) 8 8, ___, ___, ___, ___

c) 12 ___, ___, ___, ___, ___

CALCULATOR METHOD

Using a calculator, work out:

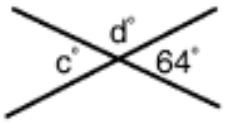
$$\frac{41.7}{3.1 \times 2.45}$$

a) Write out all the digits on your calculator display.

b) Give your answer to 1 decimal place.

BASIC ANGLE FACTS

Find the size of angle j.



SPOTTING PATTERNS/SEQUENCES

For the sequences below find the next two terms:

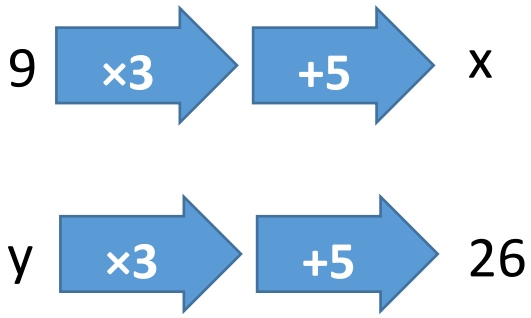
a) 4, 7, 10, 13, 16, ___, ___

b) 16, 14, 12, 10, 8, ___, ___

c) 1, 2, 4, 8, 16, ___, ___

FUNCTION MACHINES

Find x and y



METRIC CONVERSIONS

Convert the following measures.

a) 2 km = _____ m

b) 3.5 km = _____ m

c) 5000 m = _____ km

SUBSTITUTION

Given a = 9, b = 5 and c = 2

Work out:

a) 5a

b) 3b - c

c) 9c + a

RATIO (SIMPLIFY AND RECIPES)

Simplify the following ratios:

a) 6 : 8

b) 10 : 30

c) 60 : 120

BIDMAS

Work out:

a) $3 + 20 \div 5$

b) $20 - 2 \times 3$

FOUR RULES

Work out:

a) 42 × 10

b) 3.5 × 10

c) 650 ÷ 10

d) 4.6 × 100

COLLECT LIKE TERMS/MULTIPLY TERMS

Simplify

a) y + y + y + y + y + y

b) y × y × y × y × y × y

c) 2y × 3y

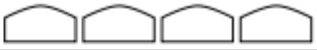
PERCENTAGES

a) Work out 5% of 80

b) Hence, work out 15% of 80

PICTOGRAMS

The chart shows information about how many loaves of bread were sold to each person.

Miss Smith	
Mr Jones	
Mrs Gray	
Ms Shah	
Mr Khan	

represents 20 loaves of bread

a) Write down the number of loaves sold to Mr Jones

b) Write down the number of loaves sold to Mrs Gray

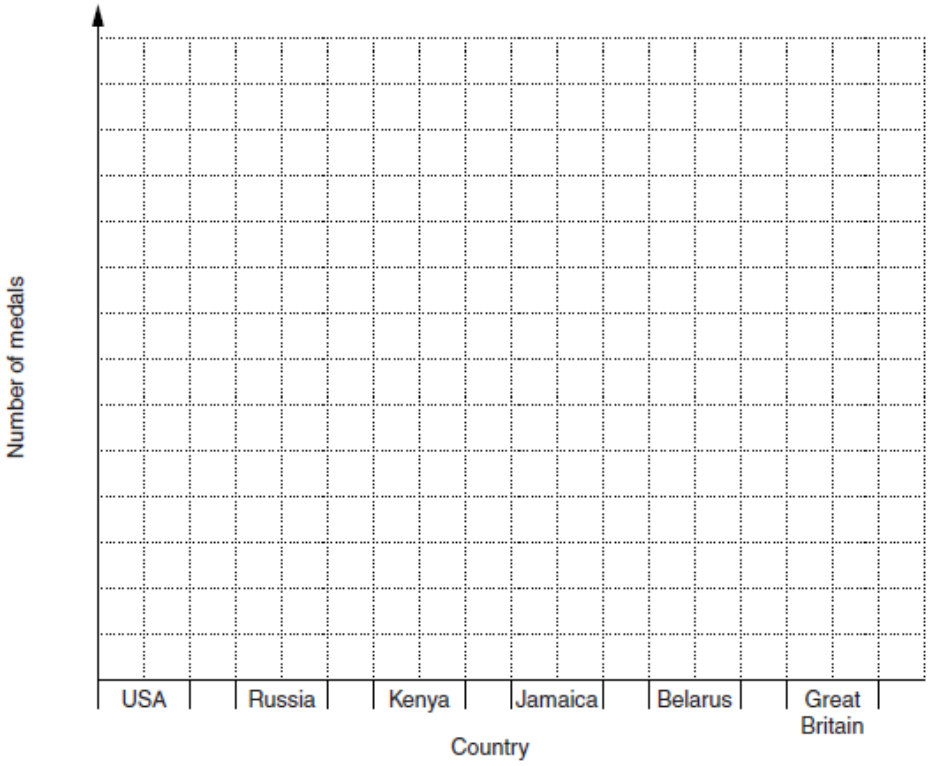
Ms Shah bought 60 loaves.
Mr Khan bought 90 loaves.

c) Complete the pictogram for Ms Shah and Mr Khan

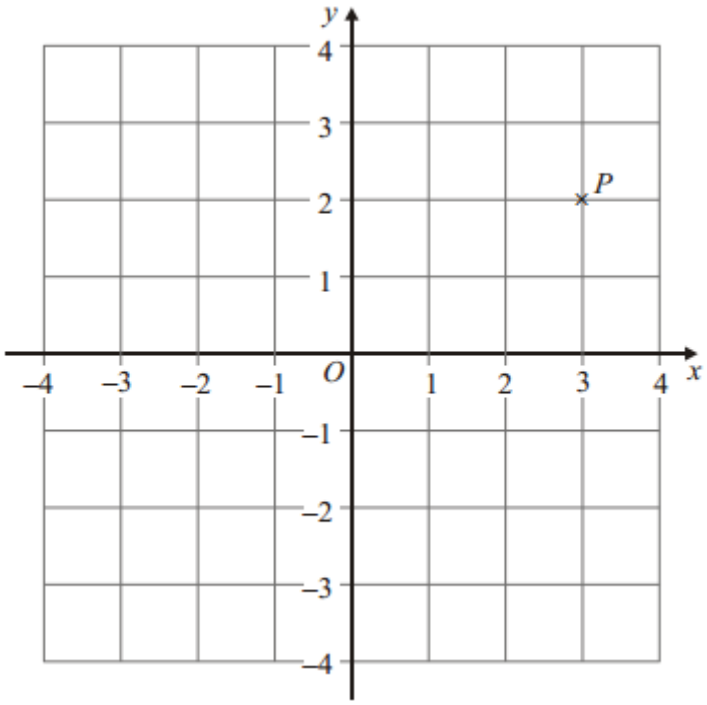
BAR CHARTS

The table shows the medals won by countries at an athletics event.
Draw a bar chart to represent this information.

Country	Medals
USA	23
Russia	18
Kenya	14
Jamaica	11
Belarus	7
Great Britain	4



COORDINATES/ LINEAR GRAPHS

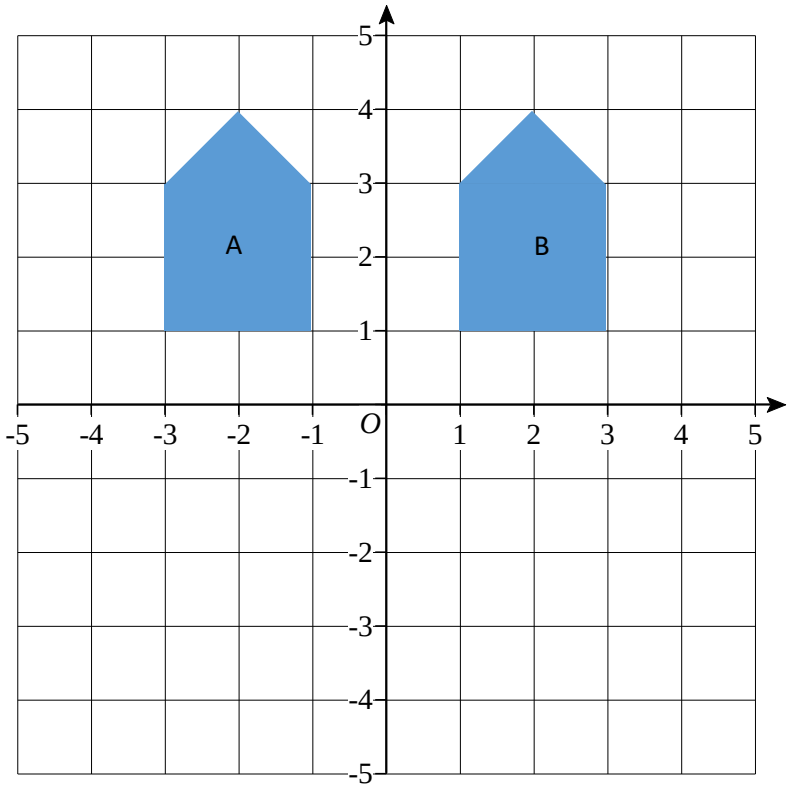


a) Write down the coordinates of point P.

b) On the grid plot the point (0, 3), label it Q.

c) On the grid plot the point (-2, -3), label it R.

TRANSFORMATIONS

a) Describe the single transformation to get from A to B?

b) Reflect A in the x axis and label it C.