



Geometry

L4MG



G5

Homework / Assessment Worksheet

Name: _____

Class: _____

Complete by: _____

A: 10 'Quick Questions'

- $27 \div 3 + 6 \times 5 =$
- Convert 3500mL to L
.....
- Write 25 to 11 in digital time
- $25.5 \div 0.5 =$
- Find the mean of the numbers 18, 3, 10, 7, 14
mean =
- Find 30% of \$50.00
.....
- If the perimeter of a square is 28cm, how long is each side?
- Find the next 3 numbers in this sequence
2, 9, 16,
- Add $1.7\text{m} + 85\text{cm}$
(answer in m)
- Solve the equation
 $4(y - 3) = 36$
 $y =$

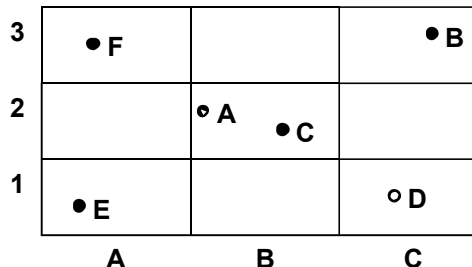
B: Location using grid references

The dots on this grid represent towns.

- Which town has a grid reference of A3?

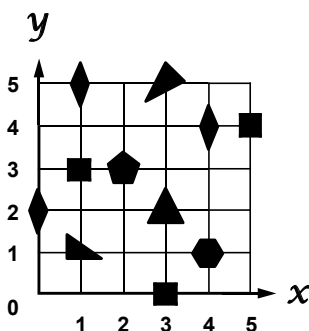
Describe the location of these towns.

- A
- B
- C
- D
- E



C: Location using co-ordinates

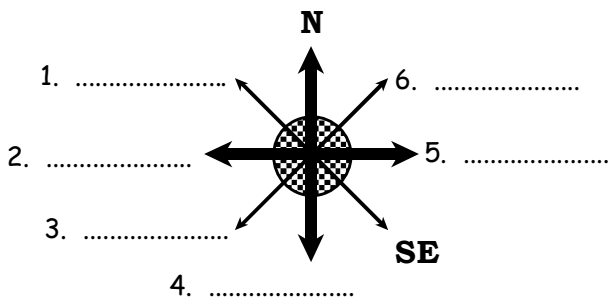
On this graph there are mathematical shapes.



- What shapes are at the points ...
(2,3) and
(4,1) ?
- List the co-ordinates to locate all the triangles.
- List the co-ordinates to locate all the squares.
- List the co-ordinates to locate all the diamonds.

D: Location using compass points

Fill in the missing compass points.



On this diagram each letter represents a town. State the **distances** and give the **directions** from Town A to the other towns, as follows ...

- A to B
 - A to D
 - A to F
-
- A to C
 - A to E

E: Bearings from NORTH

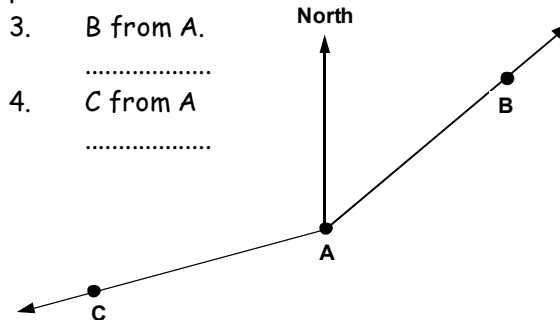
Bearings are measured from NORTH.

Example: East has a bearing of 90° .

Calculate the bearings for these compass directions.

- NE =
- SW =

Use a **protractor** to find the bearings of these points.



- If D is 2cm from A at a bearing of 150° , add point D to this diagram.



Comments:

Please sign:
Parent / Caregiver

AWS



Geometry

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G6 / G7

Homework / Assessment Worksheet

Name: _____

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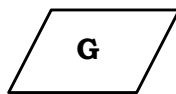
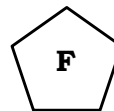
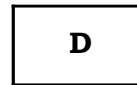
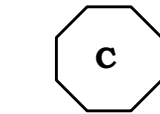
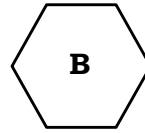
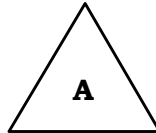
Complete by: _____

A: 10 'Quick Questions'

- $36 - 5 \times 7 + 9 = \dots\dots\dots$
- Convert 6.325L to mL
.....
- Add $4250\text{g} + 1.3\text{kg}$
(answer in g)
- $0.98 \times 0.4 = \dots\dots\dots$
- Write $\frac{1}{4}$ to 11 in digital time
- Find 10% of \$48.70
.....
- List the scores in this stem & leaf graph.
| 30 | 1, 9, 8, 2, 3
.....
- Find the next 3 numbers in this sequence
5, 11, 17,
- $17.4 \times 0.9 = \dots\dots\dots$
- Solve the equation
 $3(y - 6) = 15$
 $y = \dots\dots\dots$

B: Reflective and rotational symmetry

- Look at each 2D shape drawn below. Name each shape and draw in the lines of symmetry (if any) on each shape.

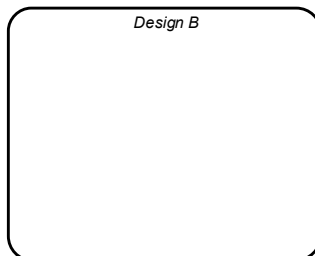
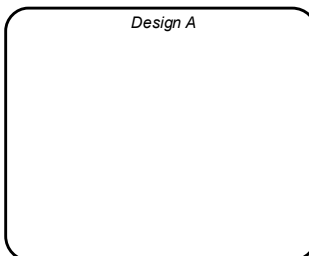


- State the order of reflective and order of rotational symmetry for each shape.
Complete the table below.

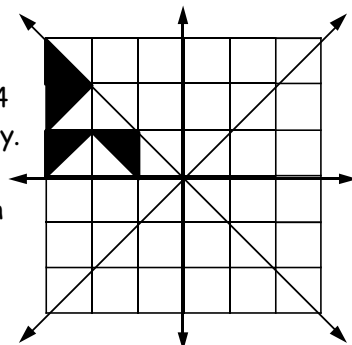
Shape	Reflective symmetry	Rotational symmetry
A		
B		
C		
D		
E		
F		
G		
H		

C: Designs involving reflection

- By folding paper and cutting with scissors, make two designs to fit in the gaps below. Make **Design A** with 1 line of symmetry and **Design B** with 2 lines of symmetry.

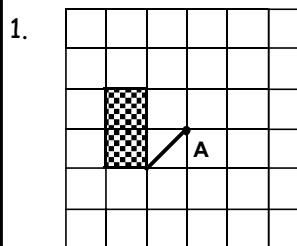


- This design has 4 lines of symmetry. Reflect the triangles pattern to complete the design.

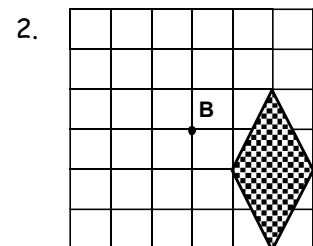


D: Rotating shapes

Rotate each shape as directed.



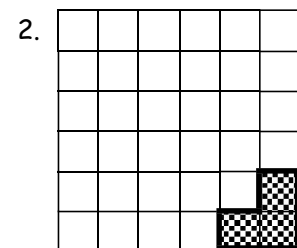
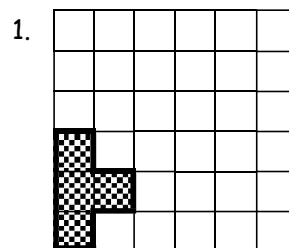
Rotate this shape 90° clockwise, about point A.



Rotate this shape 180° clockwise, about point B.

E: Tessellations

Tessellate the shape in each box.



Comments:

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