

SCORE
A

Geometry

With Classified
answer book

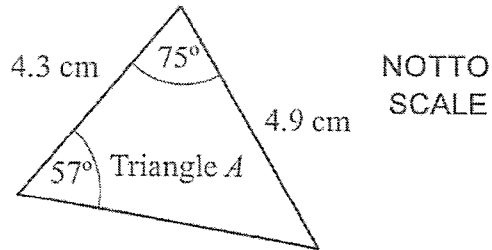
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Eng. Magda El-Labban

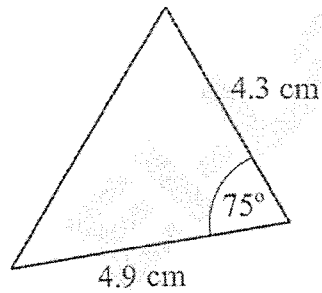
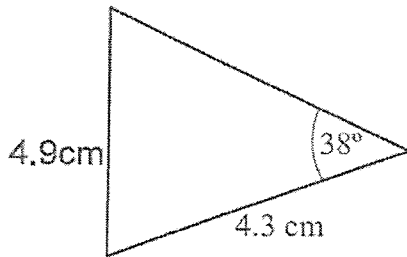
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24- Congruency

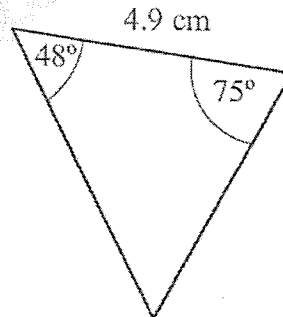
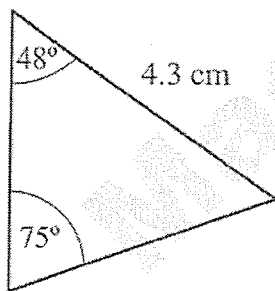
1 . Triangle A is shown in the diagram.

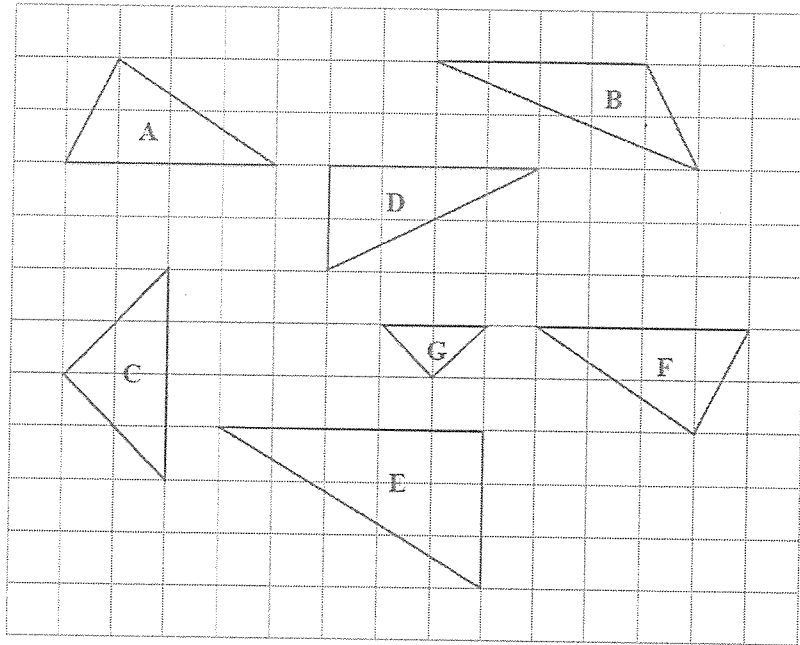


Draw a ring around the triangles below that are congruent to Triangle A.



NOTTO
SCALE





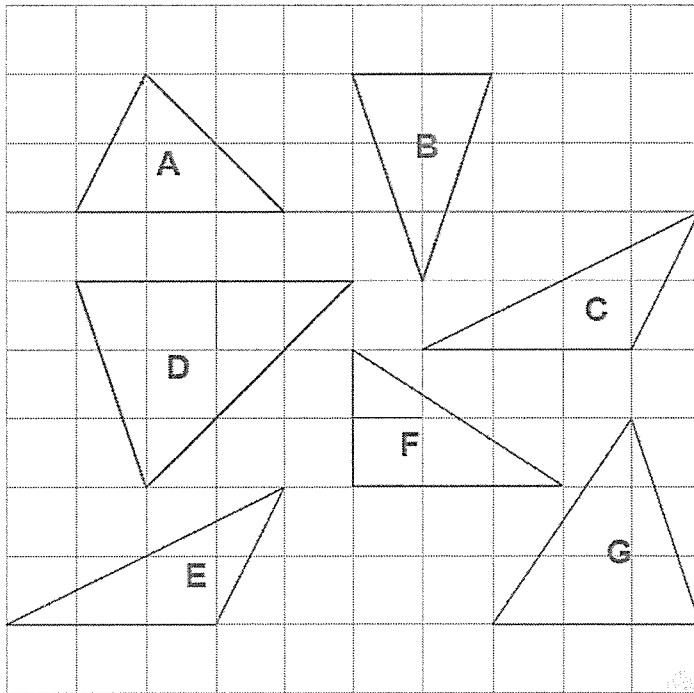
(a) Write down the letter of an isosceles triangle.

(b) Write down the letters of **two** triangles which are congruent.
 and

Triangle **C** is an enlargement of triangle **G**.

(c) Write down the scale factor of this enlargement.

3. Here are some triangles.



- (a) Write down the letter of the triangle that is
- (i) right-angled,
 - (ii) isosceles.

Two of the triangles are congruent.

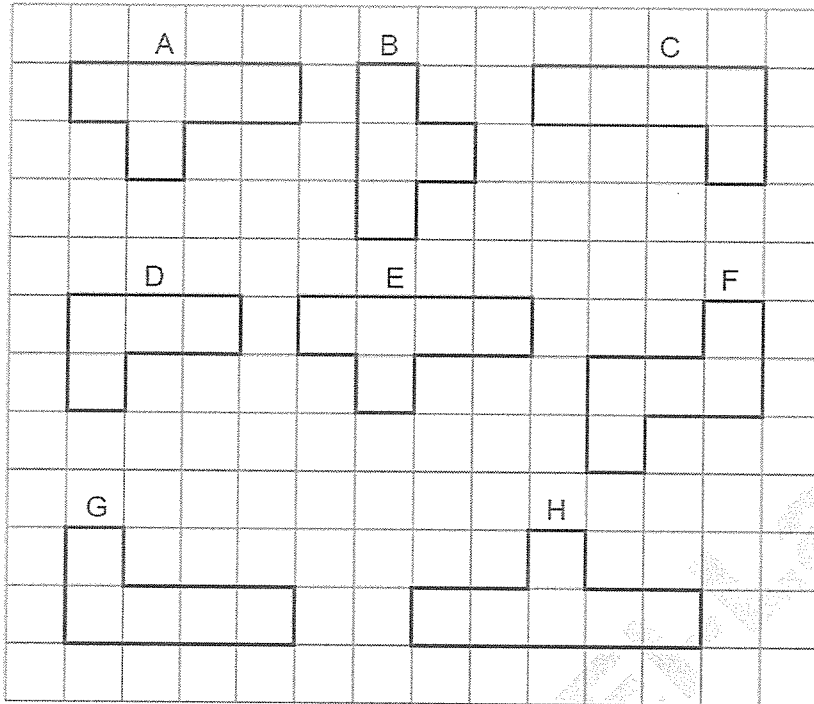
- (b) Write down the letters of these two triangles.
 and

4. Which shape is congruent to shape X?



.....

5. Here are 8 shapes.

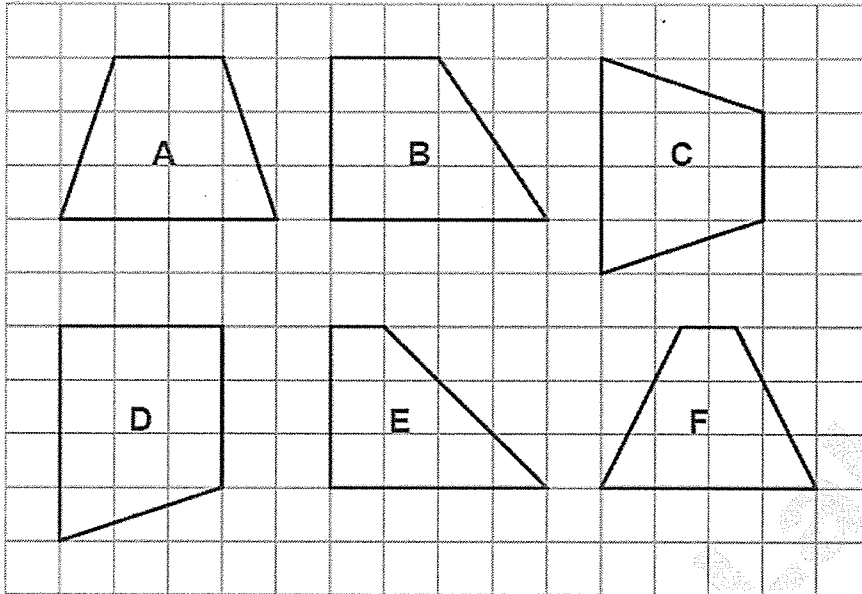


(a) Write down the letters of two **different** pairs of congruent shapes.

..... and

..... and

6. Here are 6 shapes drawn on a grid.

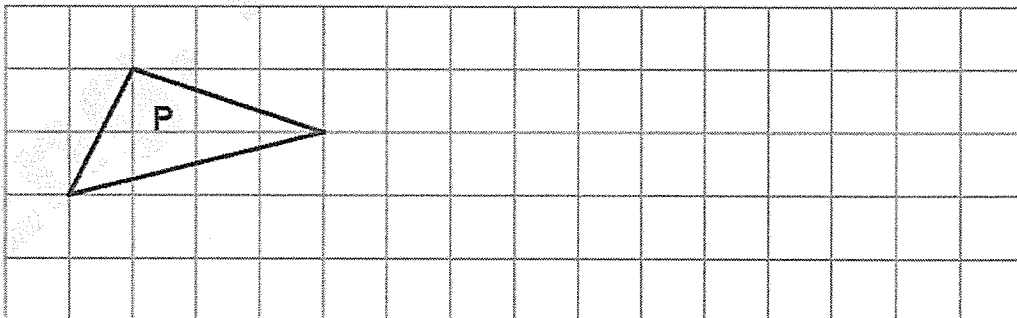


Two of these shapes are congruent.

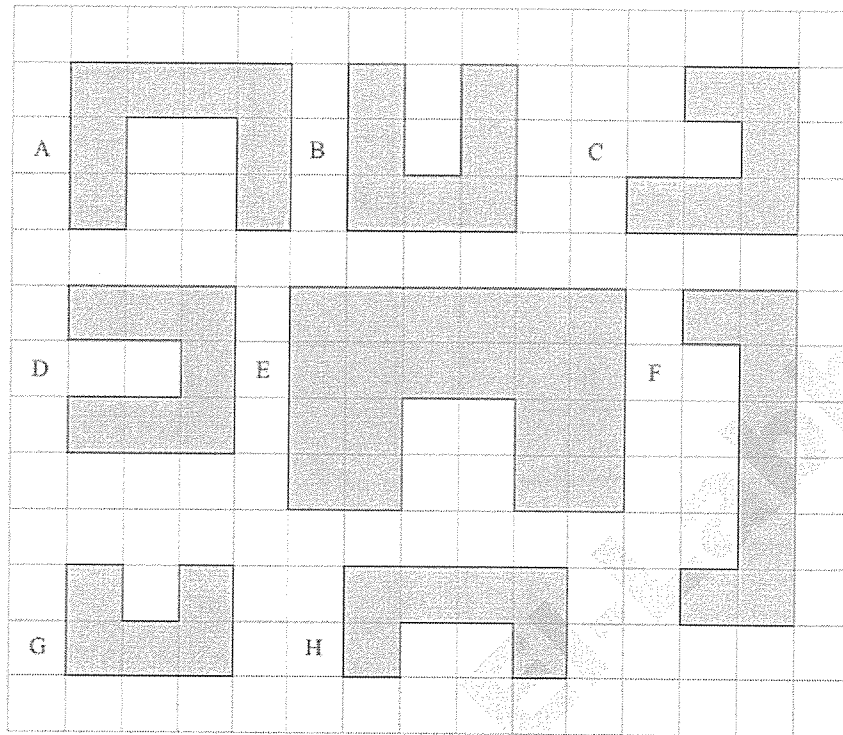
(a) Write down the letters of these two shapes.

..... and

(b) On the grid below, draw a shape that is congruent to shape **P**.



7. These shapes have been drawn on a grid of centimetre squares.



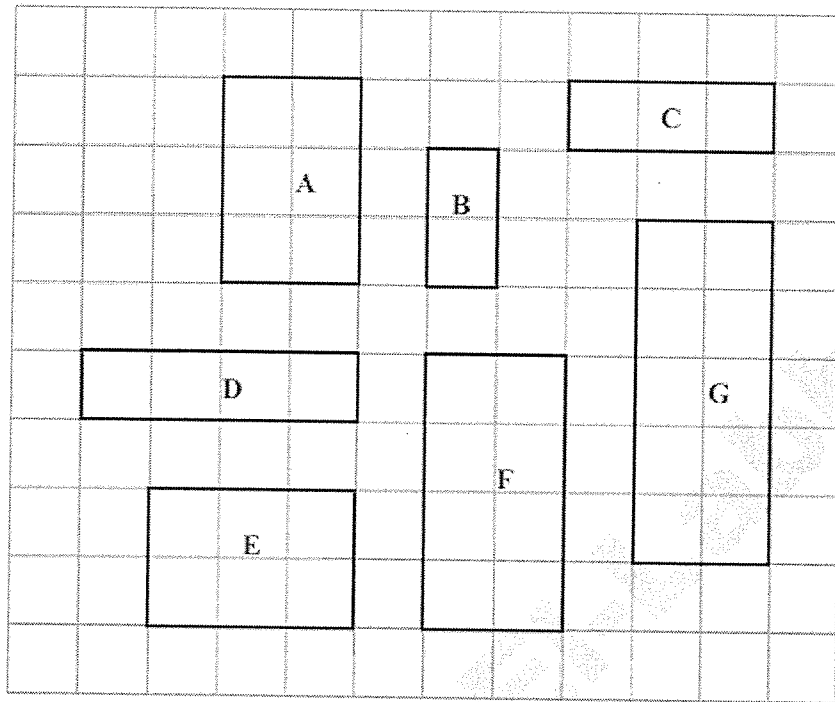
(a) (i) Write down the letters of a pair of shapes that are congruent.

..... and

(b) Find the perimeter of shape D.

..... cm

8. Here are some rectangles on a grid of centimetre squares.



(a) Find the area of rectangle **G**.

.....cm²

(b) Find the perimeter of rectangle **B**.

.....cm

Two of the rectangles are congruent.

(c) Write down the letters of these two rectangles.

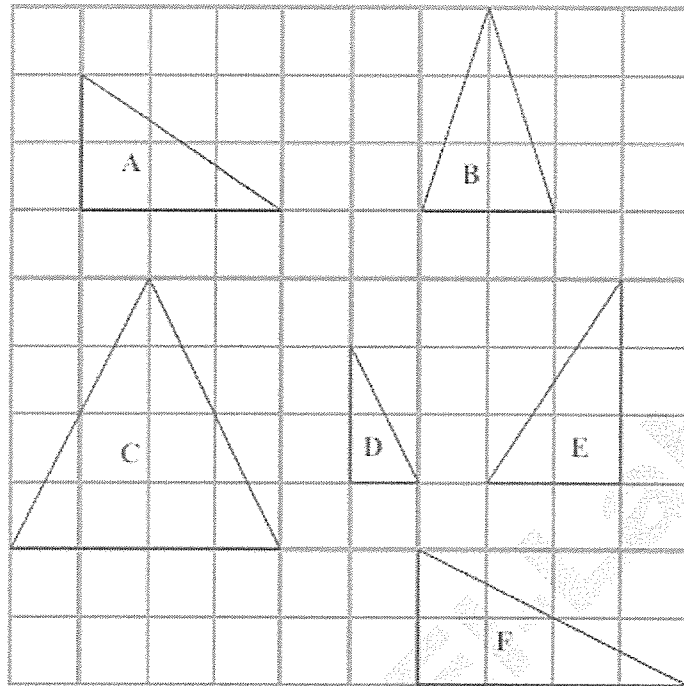
..... and

Rectangle **F** is an enlargement of rectangle **B**.

(d) Write down the scale factor of the enlargement.

.....

9. Here are some triangles drawn on a square grid.



Two of the triangles are congruent.

(a) Write down the letters of these two triangles.

..... and

One of the triangles is an enlargement of another of the triangles.

(b) Write down the letters of these two triangles.

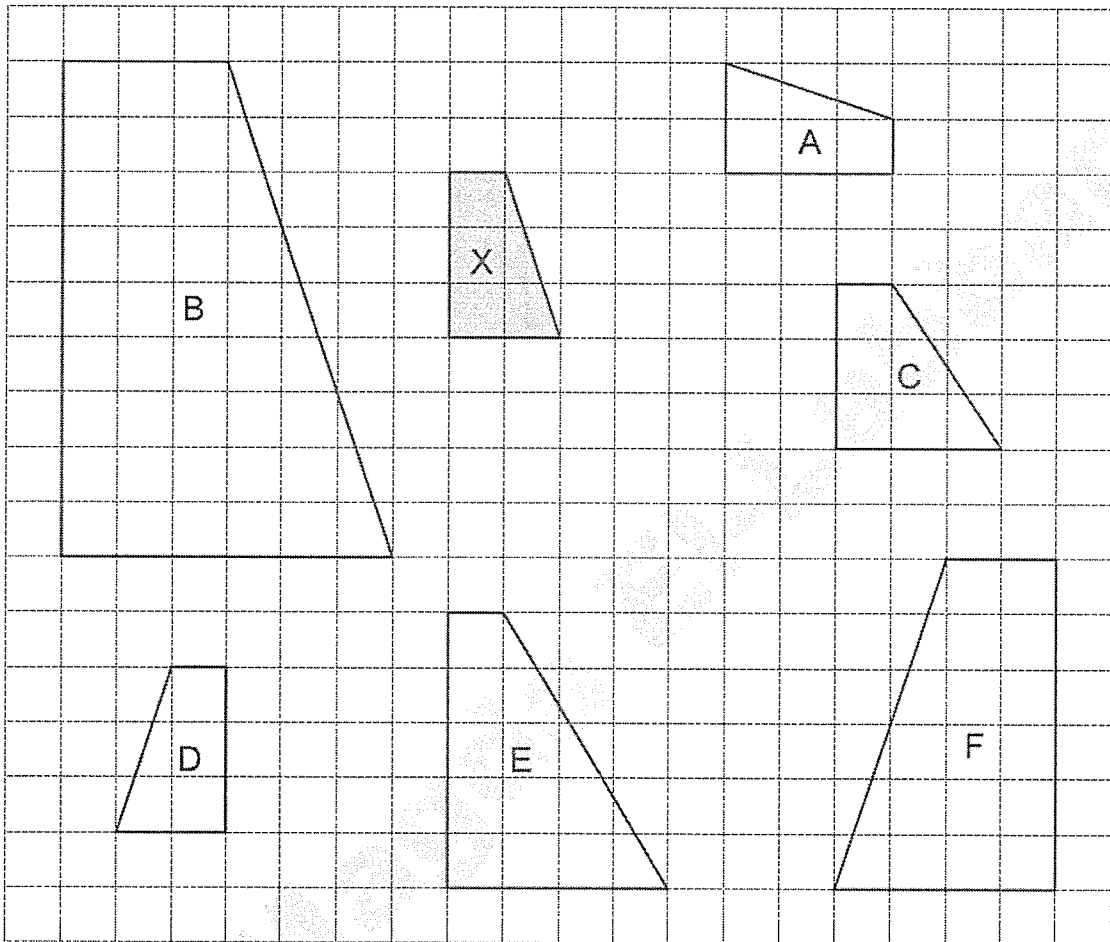
..... and

Two of the triangles each have one line of symmetry.

(c) Write down the letters of these two triangles.

..... and

10 . Here are some shapes on a grid.



Write the letter A to F for each of the shapes in the correct part of the Carroll diagram.
Shape A has been done for you.

	Congruent to shape X	Not congruent to shape X
Similar to shape X	A	
Not similar to shape X		