Viridis Schools The Federation of Orchard Primary School Southwold Primary School Hoxton Garden Primary School

Year 4 : Numeracy Day 1 Week 2

Each day, complete your times table starter. Then watch the video lesson, clicking through each round tab then complete the related worksheet.

Times Tables Starter

X	1	2	3	4	5	6	7	8	9	10	11	12
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

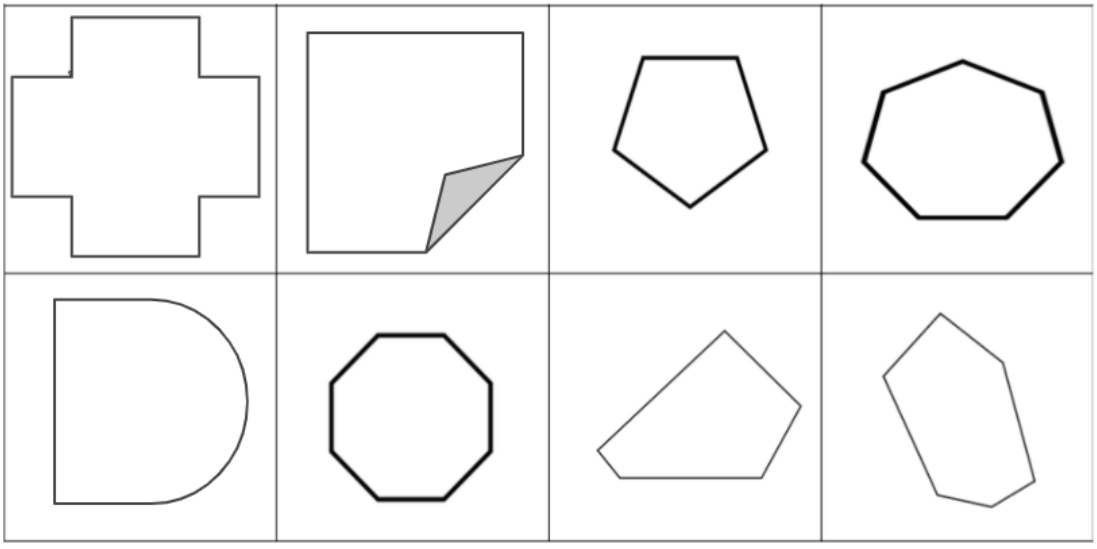
Time how quickly you can complete your times table grid!

To describe positions on a 2D Grid as coordinates

https://classroom.thenational.academy/lessons/to-describe-positions-on-a-2d-grid-as-coordinates-c4w66r

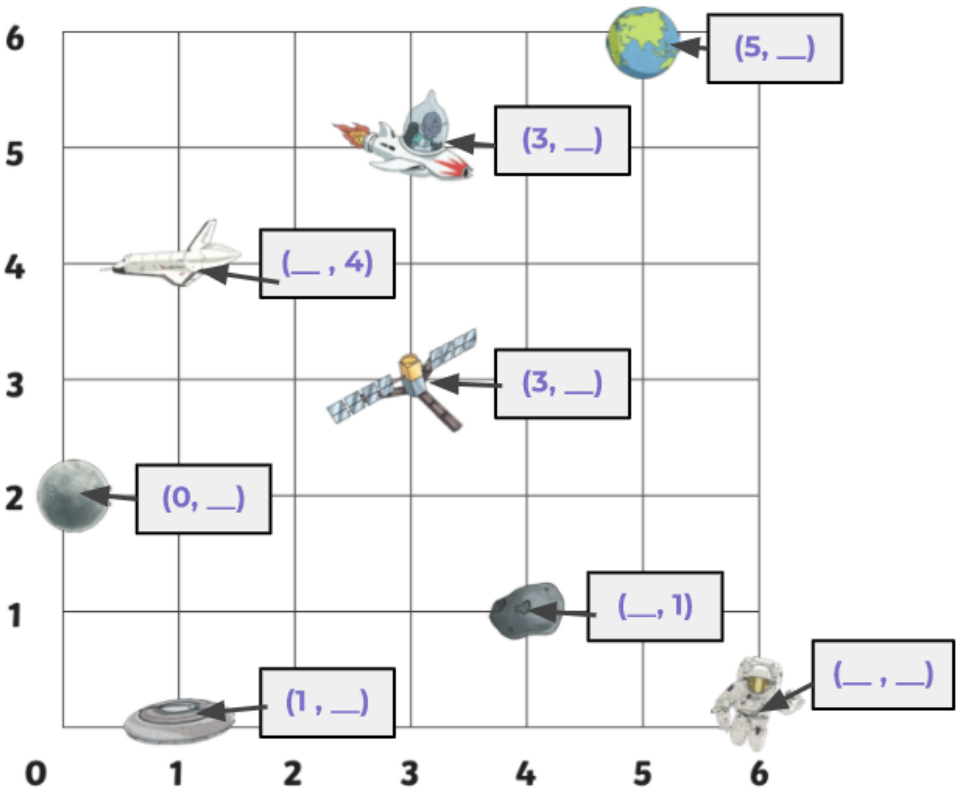
To start

How many lines of symmetry does each image have? Write the number for each.



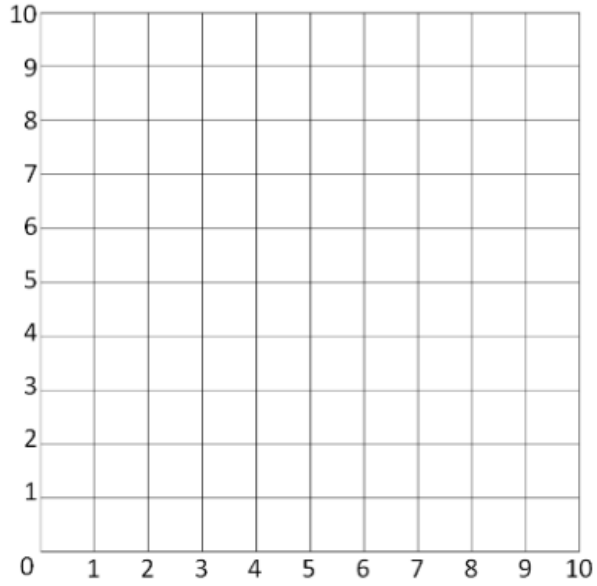
Moving on

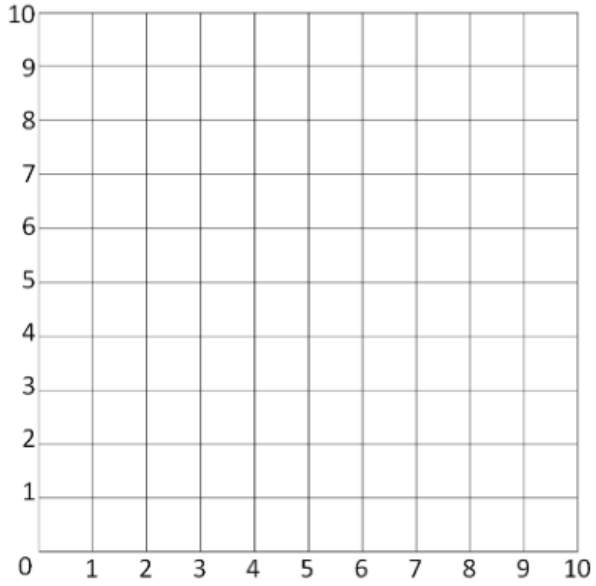
Can you complete the coordinates? Think: which axis do you read first?



Main Task

Draw 2 quadrilaterals on each grid. Write the coordinates next to each of the vertices.





Year 4 : Numeracy Day 2 Week 2

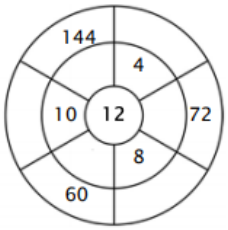
12 x Table Times Tables Starter

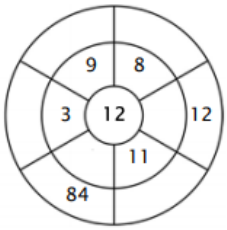
Color in all of the boxes that are the solutions of this time table.

65	110	72	132	48
86	12	74	84	108
48	144	99	120	84
33	96	24	108	60
112	56	36	120	11

Exercise 2:

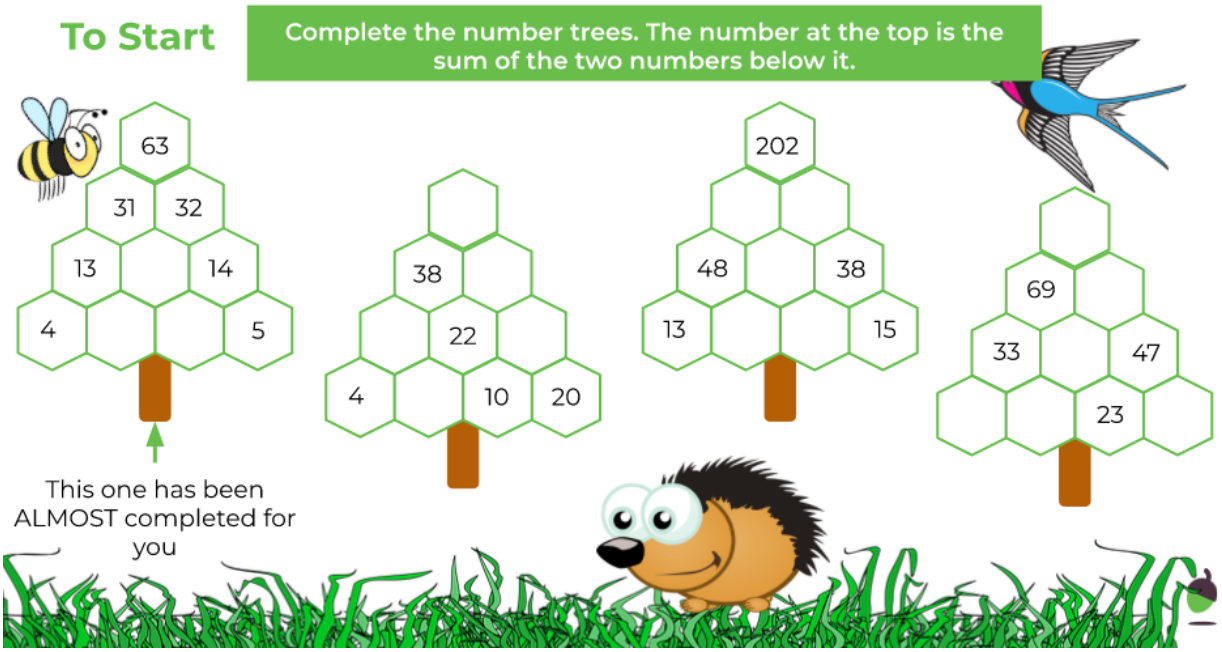
Complete the circle by multiplying the number in the center by the middle ring to get the outer numbers.





To investigate a problem, describing position on a 2-D grid as coordinates

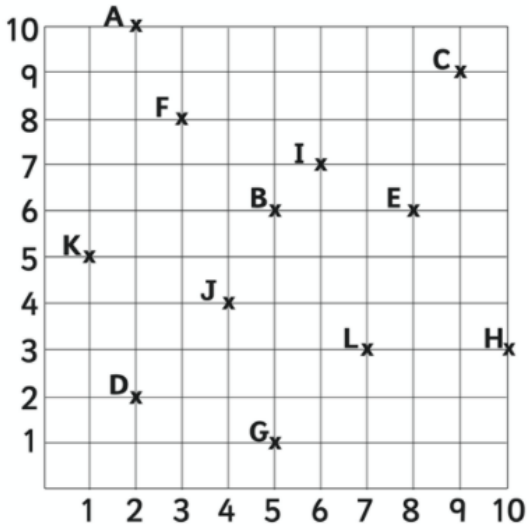
https://classroom.thenational.academy/lessons/to-investigate-a-problem-describing-position-on-a-2-d-grid-as-coordinates-6mv3cr



Moving on

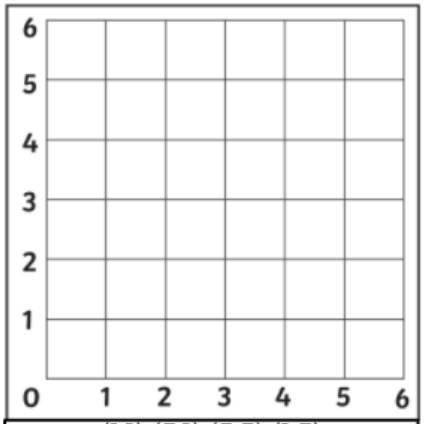
What are the coordinates for each of the letters?

Letter	Coordinate	Letter	Coordinate
A		G	
B		H	
C		I	
D		J	
E		K	
F		L	

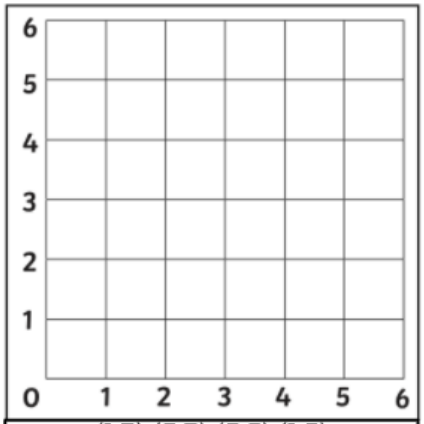


Moving on

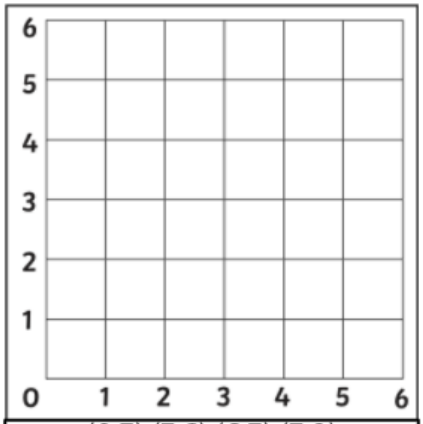
Plot to coordinates then name each shape.



(1,1) (5,1) (5,5) (1,5)
Shape:



(1,3) (5,3) (5,5) (1,5)
Shape:



(0,3) (3,6) (6,3) (3,0)
Shape:

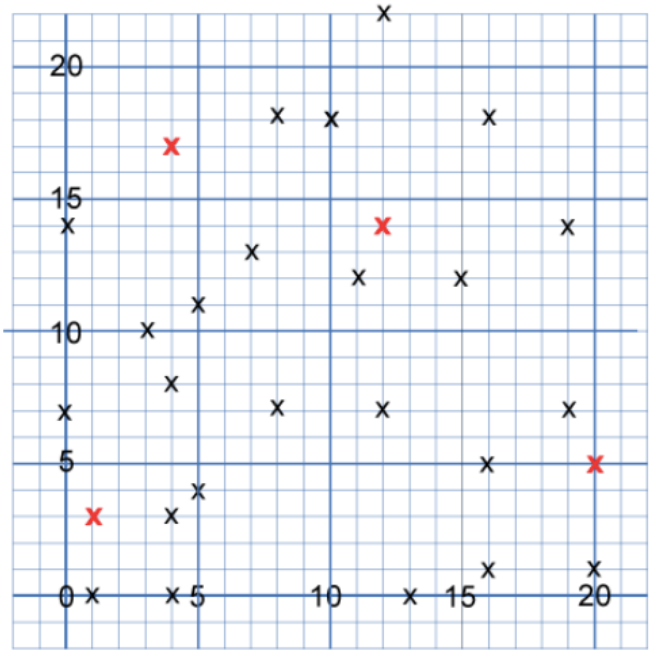
Main task

These points all mark the vertices (corners) of eight hidden squares.

Each of the 4 red points is a vertex shared by two squares.

The other 24 points are each a vertex of just one square.

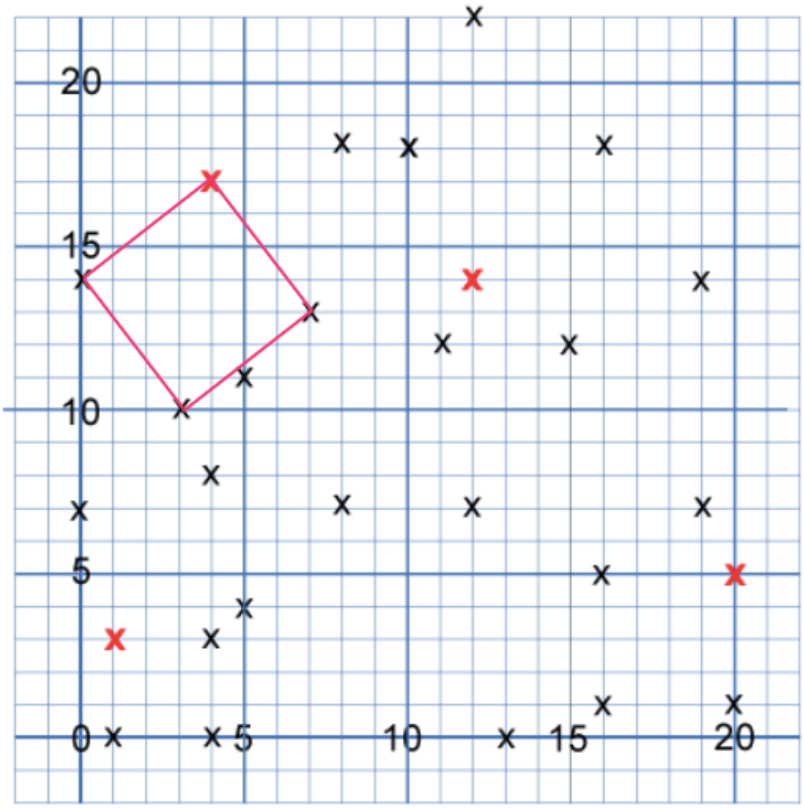
All the squares are different sizes.



Main task

Can you find all 8 of the squares and mark them off on the grid by joining their vertices up?
I'll give you the coordinates of one square for free!

(0,14) (3,10) (7,13) (4,17)



Year 4 : Numeracy Day 3 Week 2

12 x Times Tables Starter

Exercise 1:

Draw a line connecting the multiplcation expression with the correct product.

3 x 12	48	
10 x 12		120
4 x 12	84	
5 x 12		132
9 x 12	24	
11 x 12		36
7 x 12	72	
2 x 12		108
6 x 12	144	
12 x 12		60

Exercise 2:

Fill in the missing number.

a) ☐ x 12 = 96 b) ☐ x 12 = 12 c) ☐ x 12 = 36

To Plot Specified Points and Draw Sides to Complete a Given Triangle

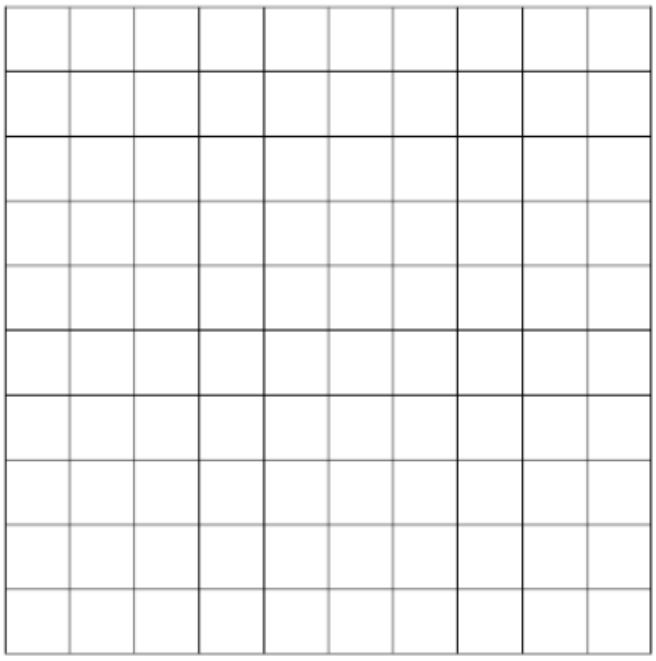
https://classroom.thenational.academy/lessons/to-plot-specified-points-and-draw-sides-to-complete-a-given-triangle-cgtker

To Start Times tables speed challenge

	8	4	3	2	5	6	9	10	7
4									
7									
8									
10									
11									
9									
6									
12									
5									

Main Task

What do you notice is missing from this grid?



Task 1

Label the x and the y axis from 0-10

Task 2

Draw the following triangles:

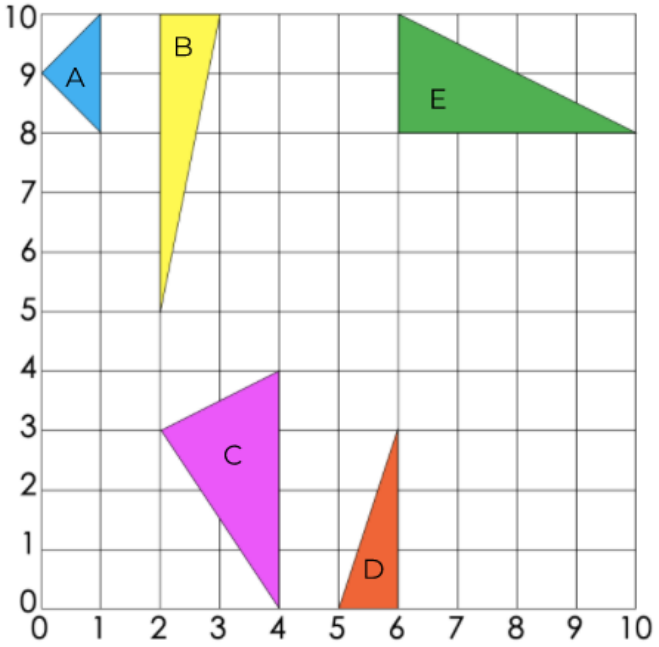
A. (0,4) (0,6) (3,5)
B. (3,6) (5,6) (3,9)
C. (2,0) (4,0) (1,3)
D. (7,0) (5,2) (10,3)
E. (5,4) (9,4) (7,5)
F. (8,9) (10,9) (9,5)

4

Moving on

Can you record the coordinates for each triangle?

Triangle	Coordinates
A	
B	
C	
D	
E	



3

Main Task

Task 3

Leave the equilateral triangles blank

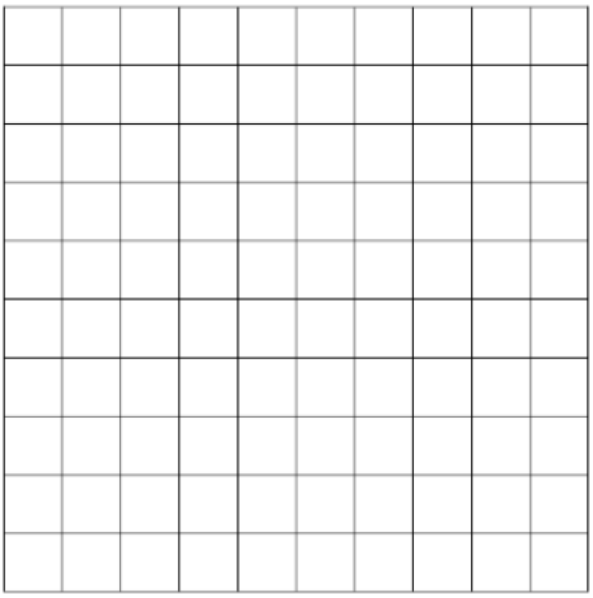
Make the isosceles triangles stripey

Make the scalene triangles spotty

Shade in the right angled triangles

Task

Mark any acute angles with the letter a
Mark any right angles with a square
Mark any obtuse angles with the letter o

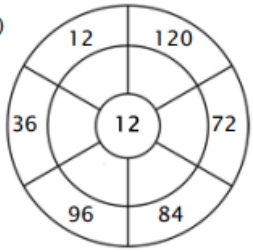


Year 4 : Numeracy Day 4 Week 2

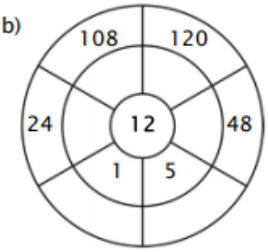
9 x Times Tables Starter

Complete the circle by multiplying the number in the center by the middle ring to get the outer numbers.

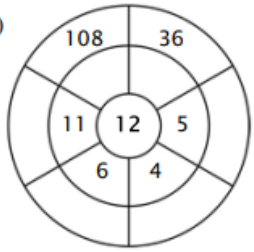
a)



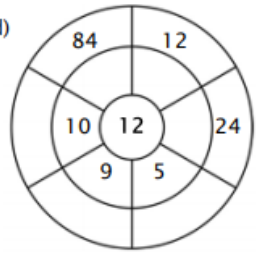
b)



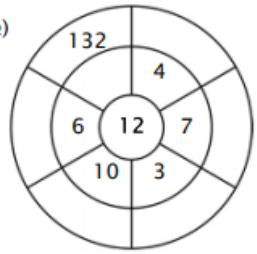
c)



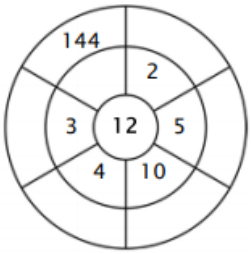
d)



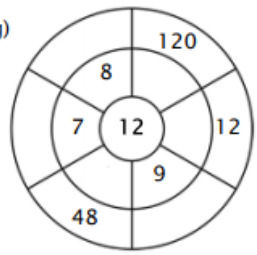
e)



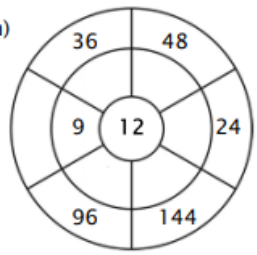
f)



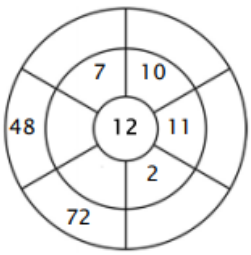
g)



h)



i)

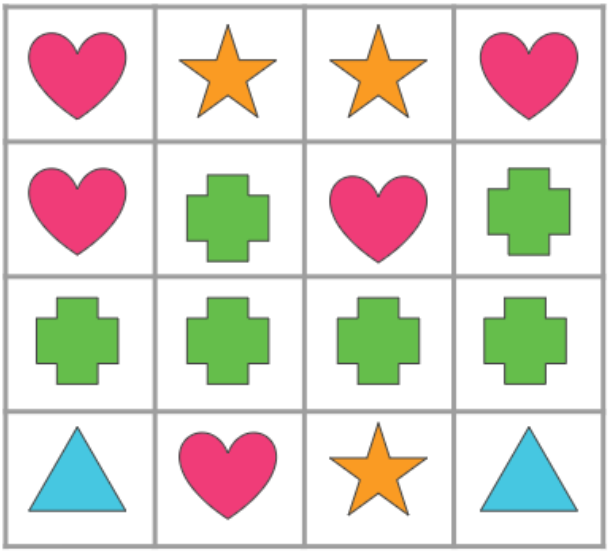


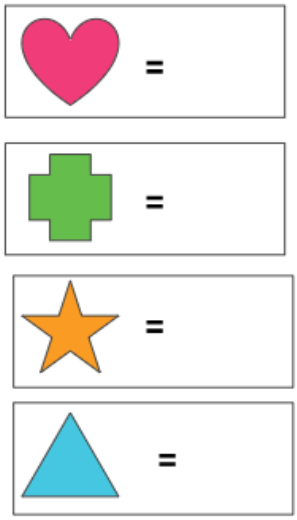
To Describe Movement Between Positions as Translations of a Given Unit Left/Right or Up/Down 1

https://classroom.thenational.academy/lessons/to-describe-movement-between-positions-as-translations-of-a-given-unit-leftright-or-updown-1-65h36t

To Start

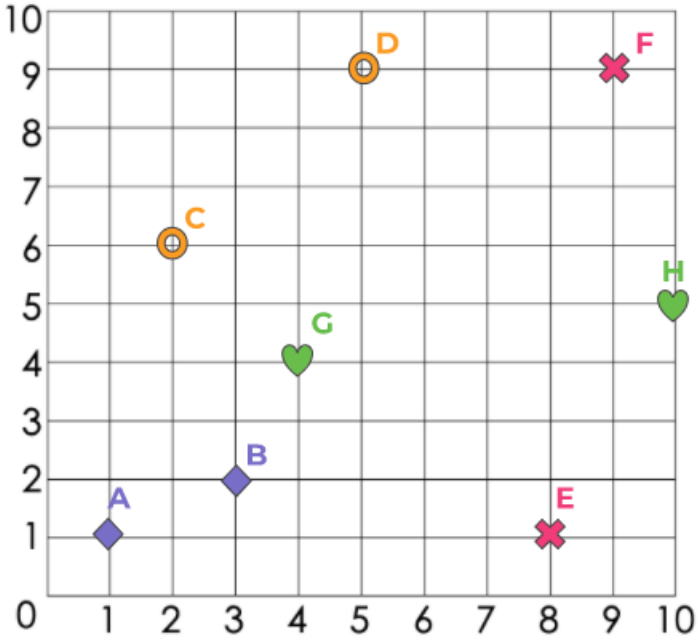
Can you work out what each symbol is worth in this maths square? Use the clues to help you.





Moving On

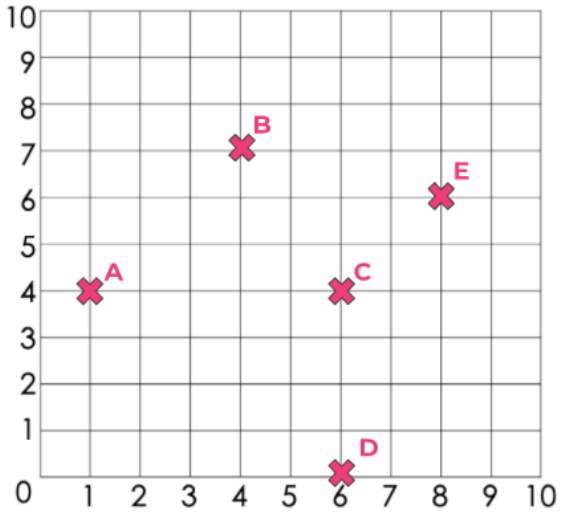
Write the translation for each of these points in the correct format.

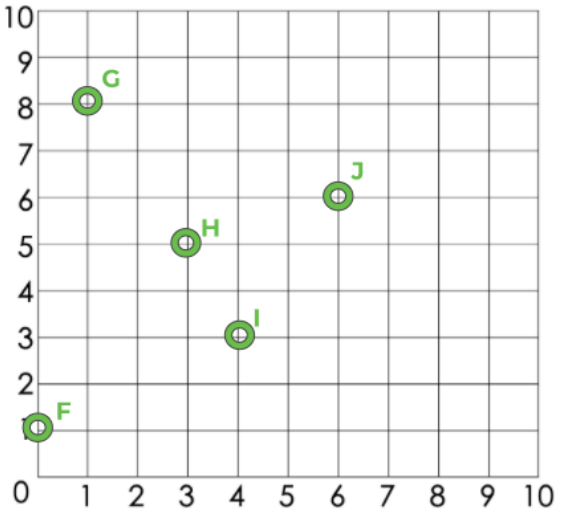


symbol	points	translation
◆	A to B	
◎	C to D	
✖	E to F	
♥	G to H	

Main Task

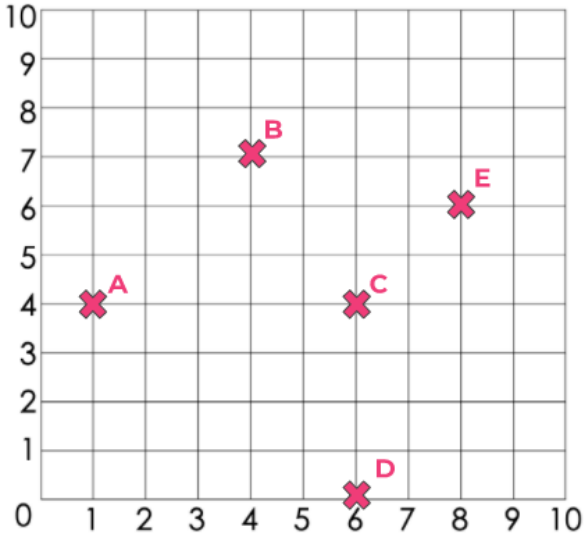
If each of **X** points is translated (2 right , 3 up), what will all the new positions be?
If each of the **O** points are translated (4 right , 1 up) what will the new positions be?
Write the final coordinates for each.





Main Task

If each of **X** points is translated (2 right , 3 up), what will all the new positions be?
If each of the **O** points are translated (4 right , 1 up) what will the new positions be?
Write the final coordinates for each.

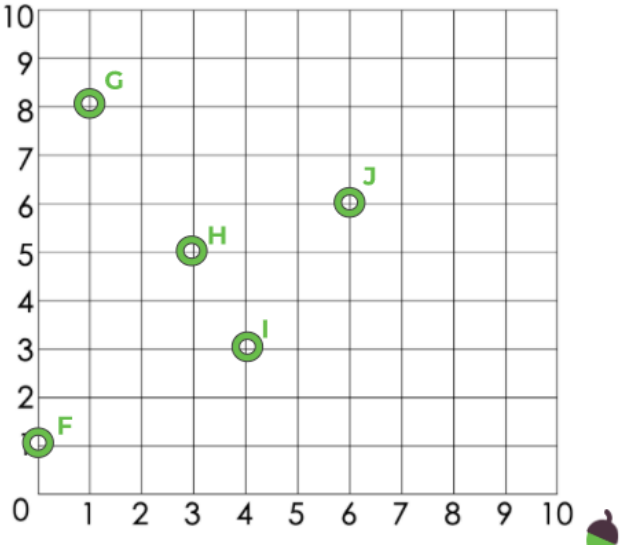


Point	Final coordinate after translation
A	
B	
C	
D	
E	

Main Task

If each of **X** points is translated (2 right , 3 up), what will all the new positions be?
If each of the **O** points are translated (4 right , 1 up) what will the new positions be?
Write the final coordinates for each.

Point	Final coordinate after translation
F	
G	
H	
I	
J	



Year 4 : Numeracy Day 5 Week 2

12 x Division Fact Starter

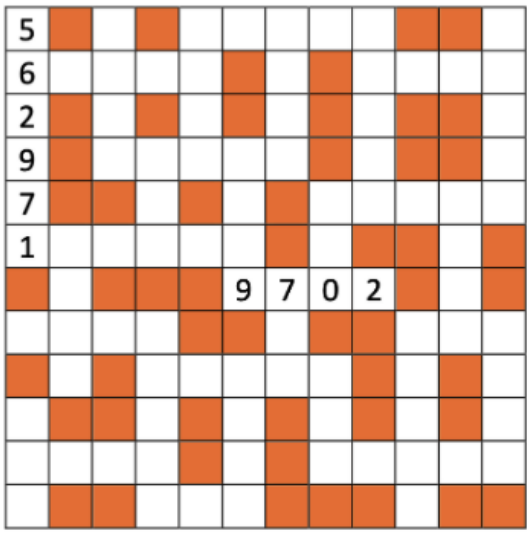
12 ÷ 12 = ____ (1)	24 ÷ 12 = ____ (11)	108 ÷ 12 = ____ (21)
36 ÷ 12 = ____ (2)	60 ÷ 12 = ____ (12)	72 ÷ 12 = ____ (22)
48 ÷ 12 = ____ (3)	108 ÷ 12 = ____ (13)	84 ÷ 12 = ____ (23)
48 ÷ 12 = ____ (4)	60 ÷ 12 = ____ (14)	12 ÷ 12 = ____ (24)
72 ÷ 12 = ____ (5)	24 ÷ 12 = ____ (15)	120 ÷ 12 = ____ (25)

To Describe Movement Between Positions as Translations of a Given Unit Left/Right or Up/Down 2

https://classroom.thenational.academy/lessons/to-describe-movement-between-positions-as-translations-of-a-given-unit-leftright-or-updown-2-64w3ec

To Start

Can you complete the number grid by putting the numbers into the correct places? It's like a crossword but with numbers not letters.

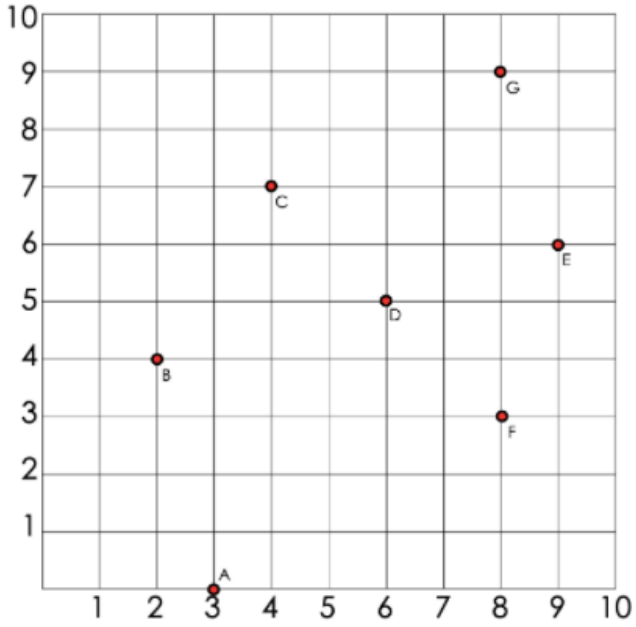


3 DIGITS	4 DIGITS	
187	1098	6279
260	1947	7386
365	3265	7649
705	4671	8063
729	5069	~~9702~~
963	5934	9746
973		

5 DIGITS		6 DIGITS
18091	53784	159304
23765	67037	~~562971~~
25971	87197	
35876	94102	
39678	95471	

To start

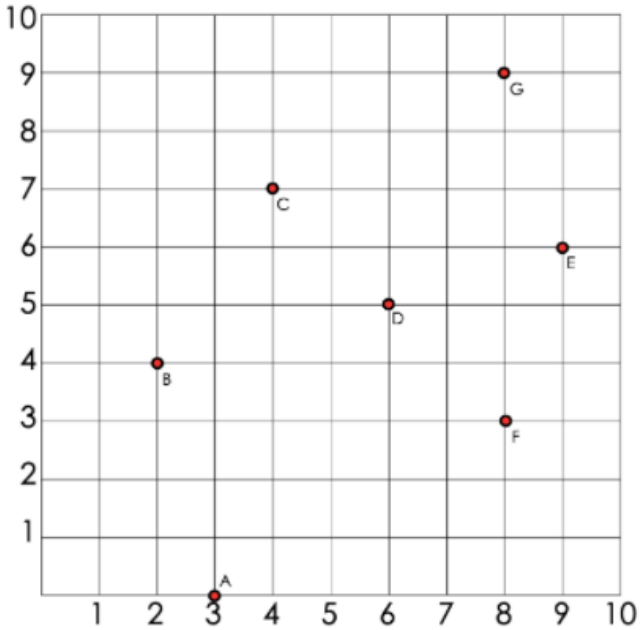
Can you work out the coordinates for each of the points on this grid?



Point	Coordinates
A	
B	
C	
D	
E	
F	
G	

Moving on

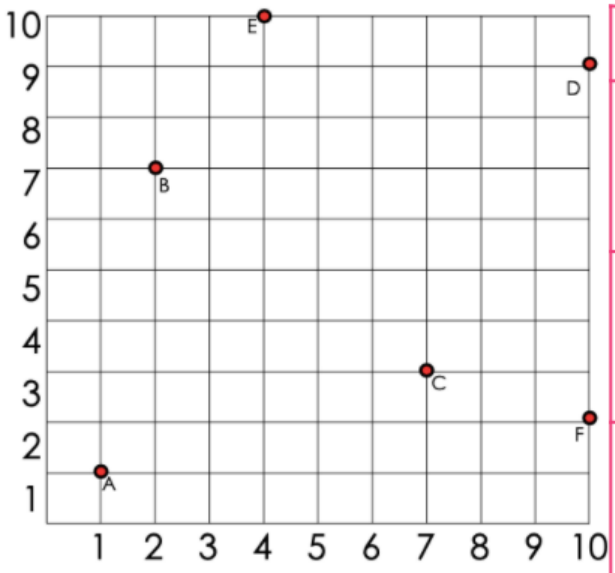
Can you figure out how the points have been translated? The first has been done for you.



Point	Translation
A to B	**1 left , 4 up**
B to C	
C to D	
D to E	
E to F	
F to G	
G to A	

Challenge

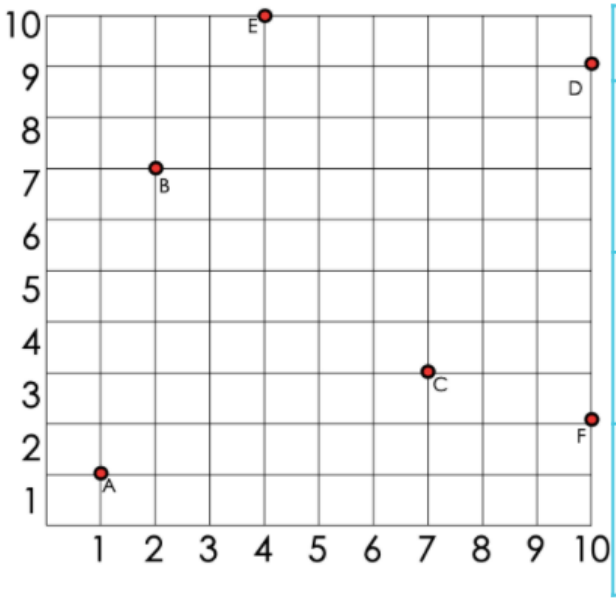
These are the final translations of some points. Can you work out where each point started?



Clue	Start
Point A moves 2 spaces left and 2 down. What were the original coordinates?	
Point B moved 3 spaces left and 2 up. What were the original coordinates?	
Point C moved 1 space right and 3 up. What were the original coordinates?	

Challenge

These are the final translations of some points can you work out where each point started?



Clue	Start
Point D moved 3 spaces right and 0 up. What were the original coordinates?	
Point E moved 1 space right and 9 spaces up. What were the original coordinates?	
Point F moved 8 right and 4 spaces down. What were the original coordinates?	