

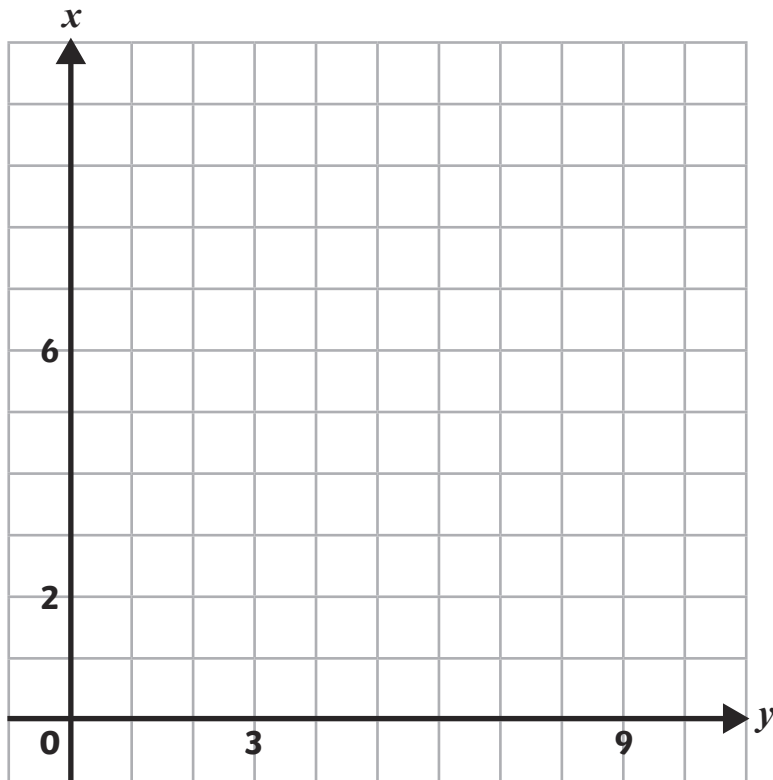
Position and Direction

Baseline Assessment

Name: _____ Date: _____

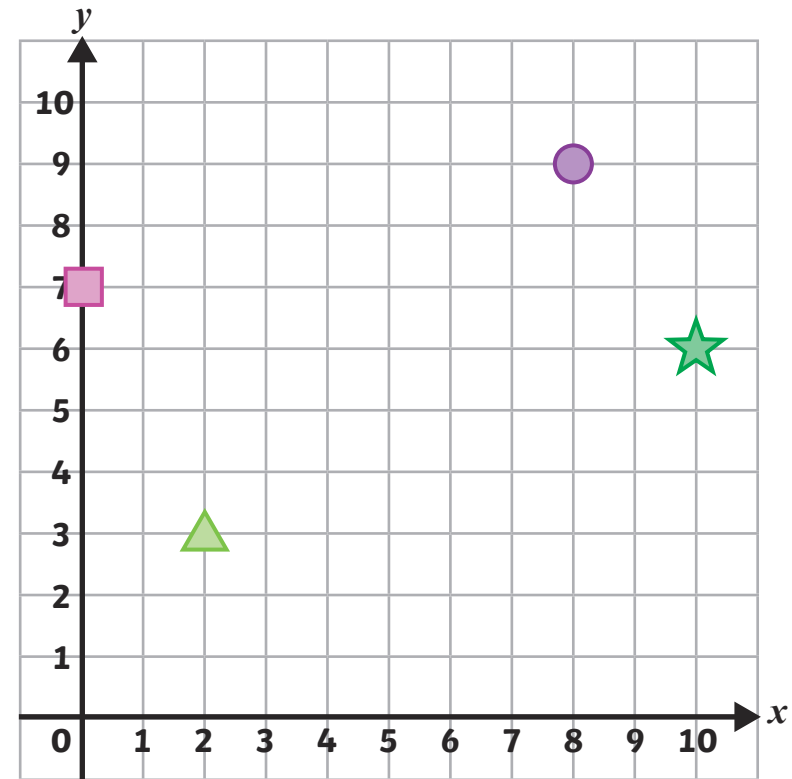
1. a) What error has been made with this coordinates grid?





b) Complete the numbers on each axis.



2 marks

2. Write the coordinates of each of these symbols.

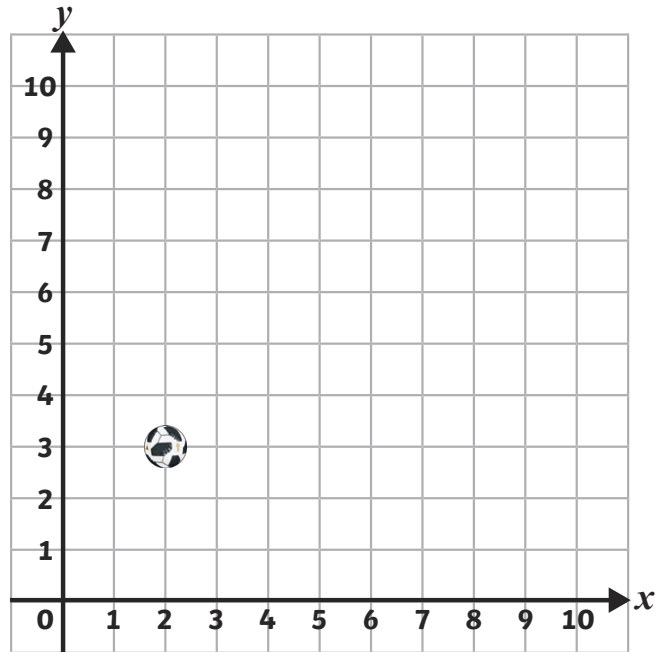


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2 marks

3. This football is translated in the following ways:

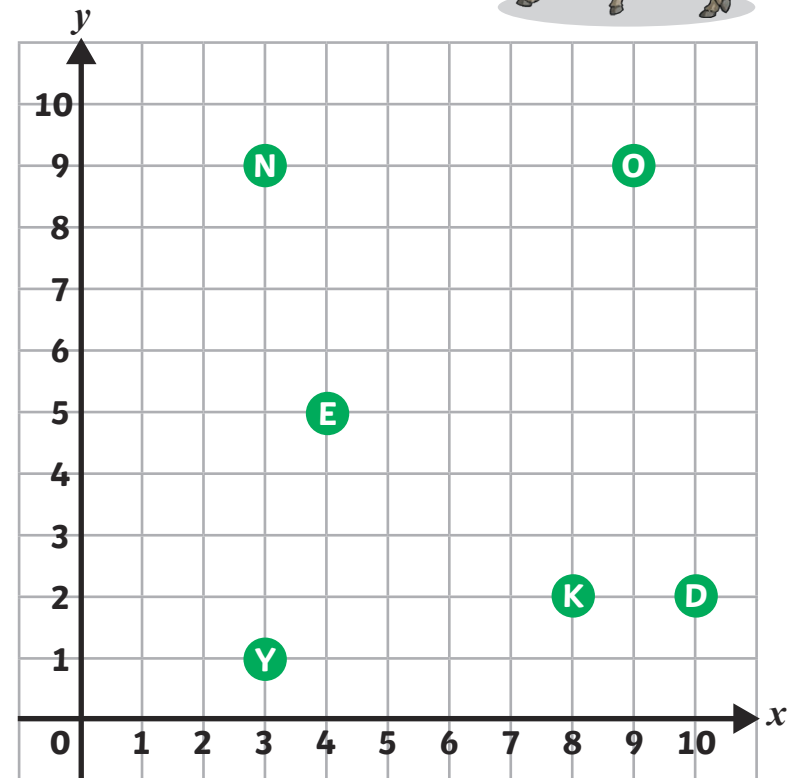
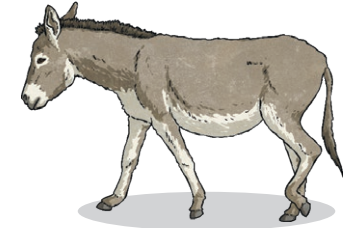
- 4 up
- 6 right



What are the coordinates of the football after the translations?

1 mark

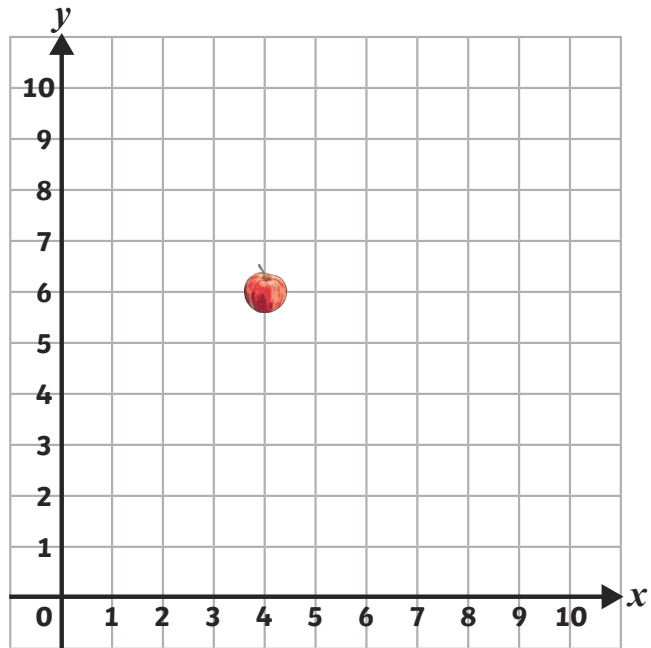
4. The letters that make the name of this animal have been scrambled up on the grid. Can you give the coordinates of each letter in the correct order to spell the animal's name?



2 marks

5. This apple is translated in the following ways:

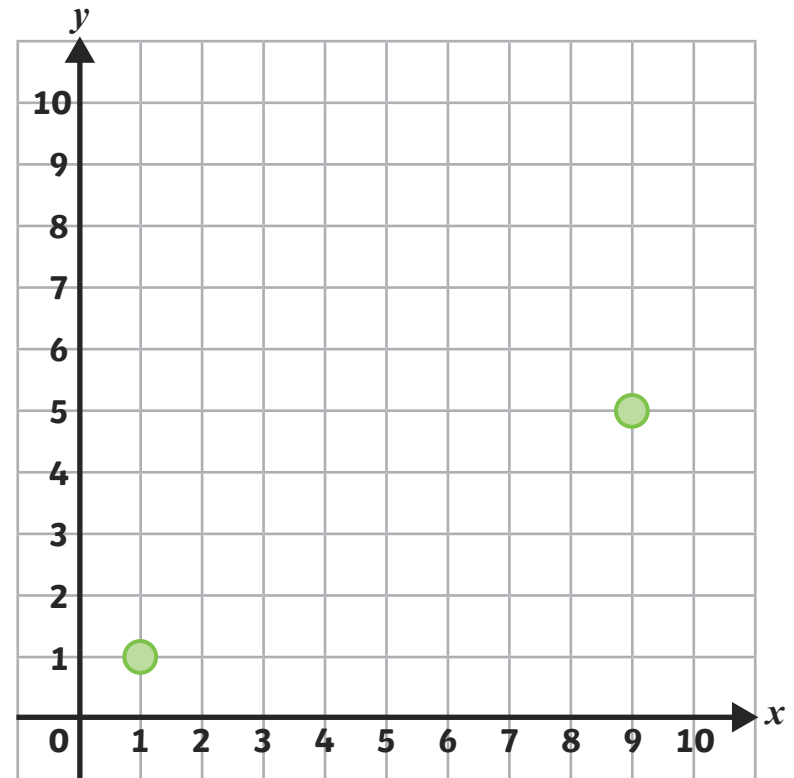
- 5 down
- 3 left



What are the coordinates of the apple after the translations?

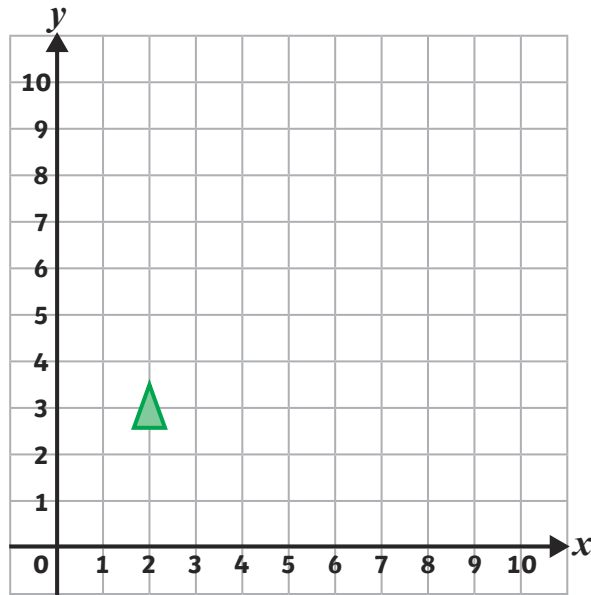
1 mark






6. Plot 2 more dots on the grid to create a rectangle and write the coordinates of these new dots.



1 mark

7. a) Draw these shapes on the grid using the given coordinates. One has been done for you.



-  (2, 3)
-  (9, 1)
-  (6, 0)
-  (2, 7)
-  (8, 4)

- b) Mark the the following coordinates on the grid:
 (1, 8) (2, 10) (7, 10) (8, 8)

When straight lines are drawn between the dots you have plotted, what shape will be made?

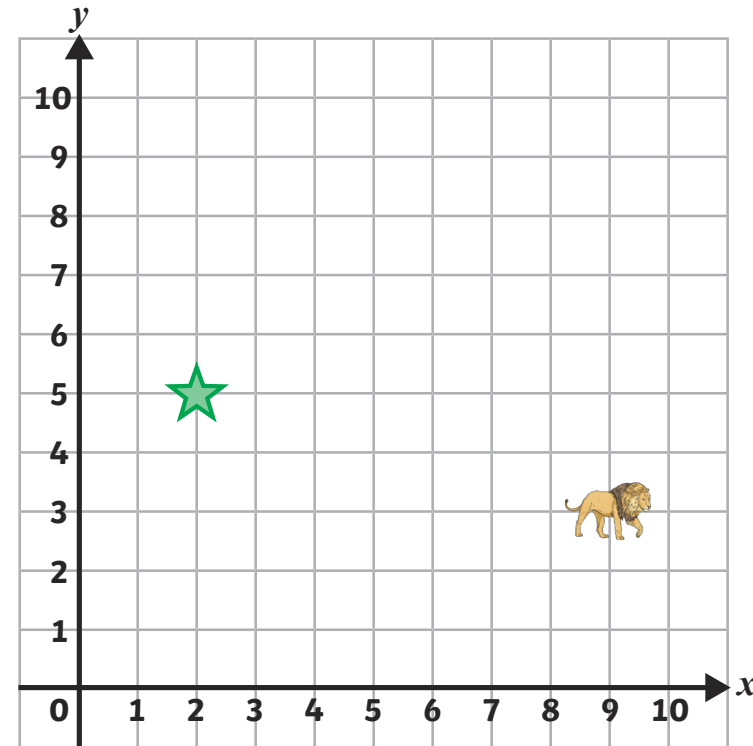
2 marks

8. a) Write true or false next to these statements.

The star is at (5, 2). _____

The lion is at (9, 3). _____

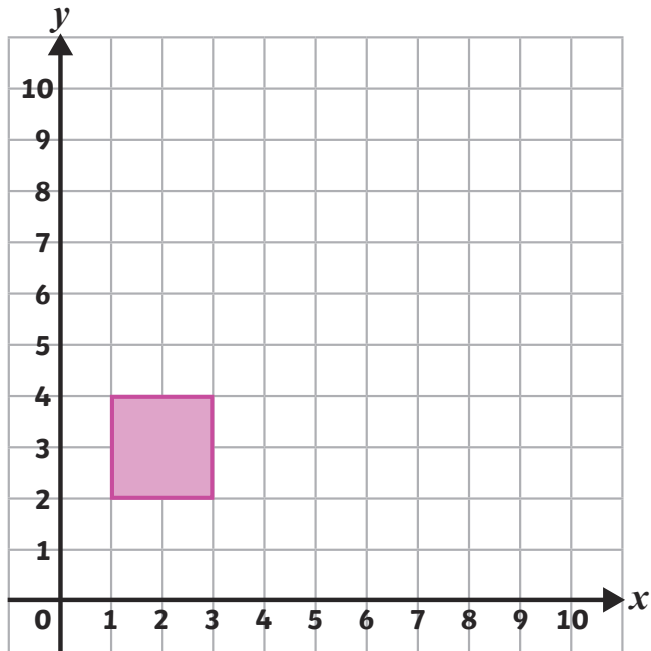
- b) When the coordinates (4, 5), (6, 10) and (8, 5) are joined, they will make an isosceles triangle.



2 marks

9. This square is translated in the following ways:

- 2 up
- 7 right



What are the new coordinates of the vertices of the square after it has been translated?

2 marks

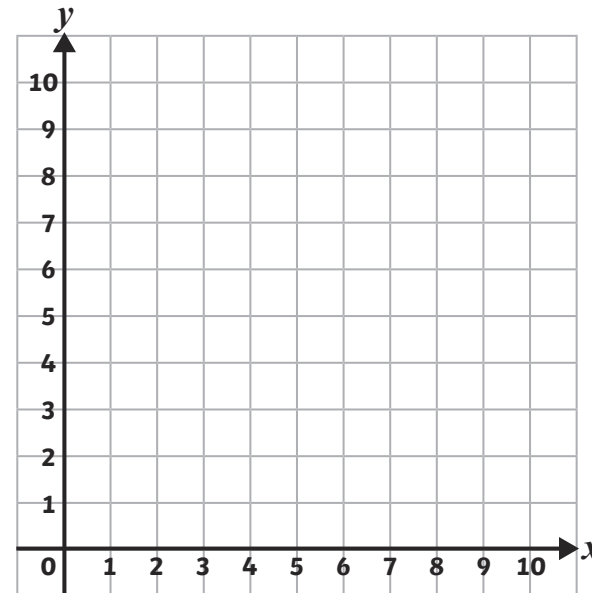
10. a) Plot the coordinates of the letters on the grid and use a ruler to join each of them in the order shown. For the second and third letters, the last coordinate should be joined to the first.

first letter: (3, 10) (1, 10) (1, 8) (3, 8)

second letter: (2, 7) (2, 5) (4, 5) (4, 7)

third letter: (5, 5) (5, 3) (7, 3) (7, 5)

fourth letter: (8, 3) (8, 1) (10, 1)

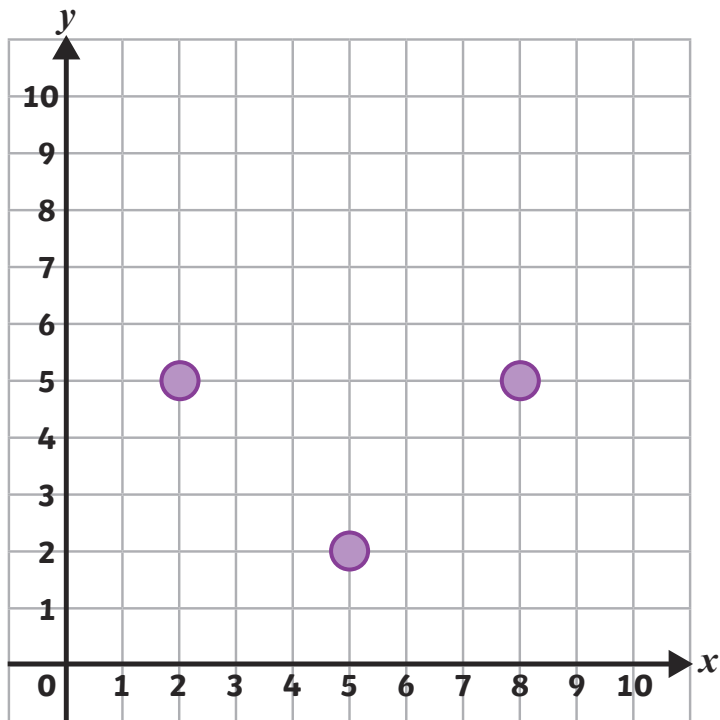


b) What word does it spell?

2 marks

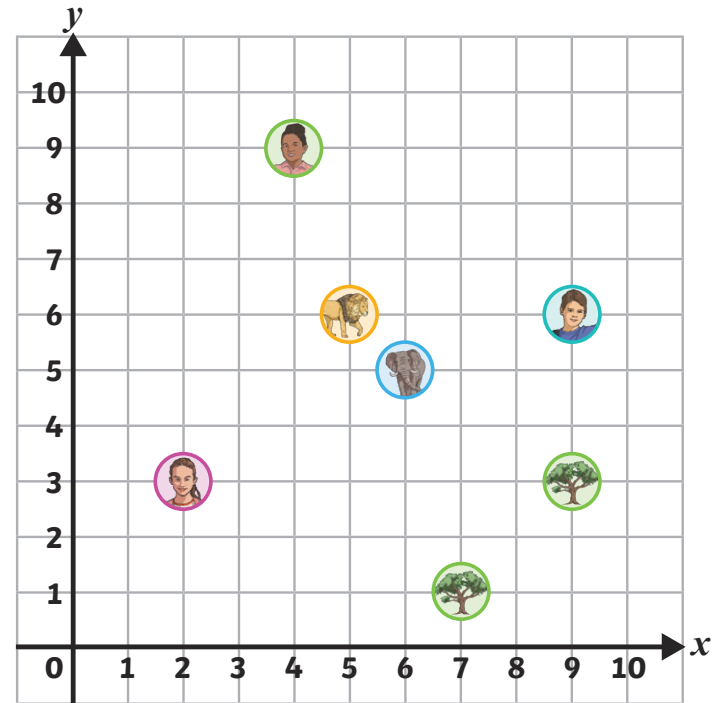
11. The 3 dots are 3 vertices of a square. Plot the dot needed to complete the square and then draw lines to show the shape.

What are the coordinates of the dot you used to complete the square?



1 mark

12. a) You have 3 snowballs to throw. What coordinates do you need to aim for to splat each of the children?



- b. If you threw a snowball at (6, 5), what would you splat? _____

If you aimed for the trees and your snowball landed exactly halfway between them, what coordinate did it land on? _____

2 marks

Total
20 marks