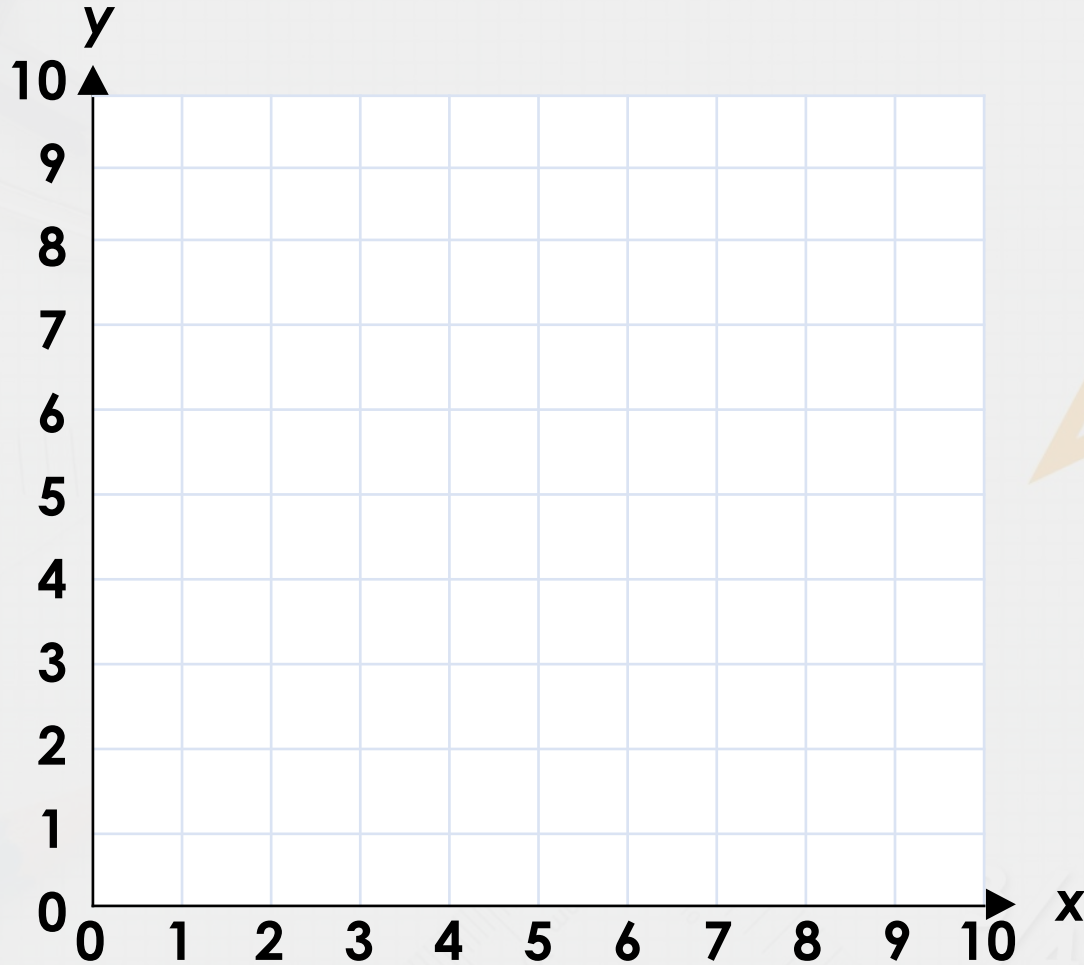


Step 9

Year 4: Describe Position

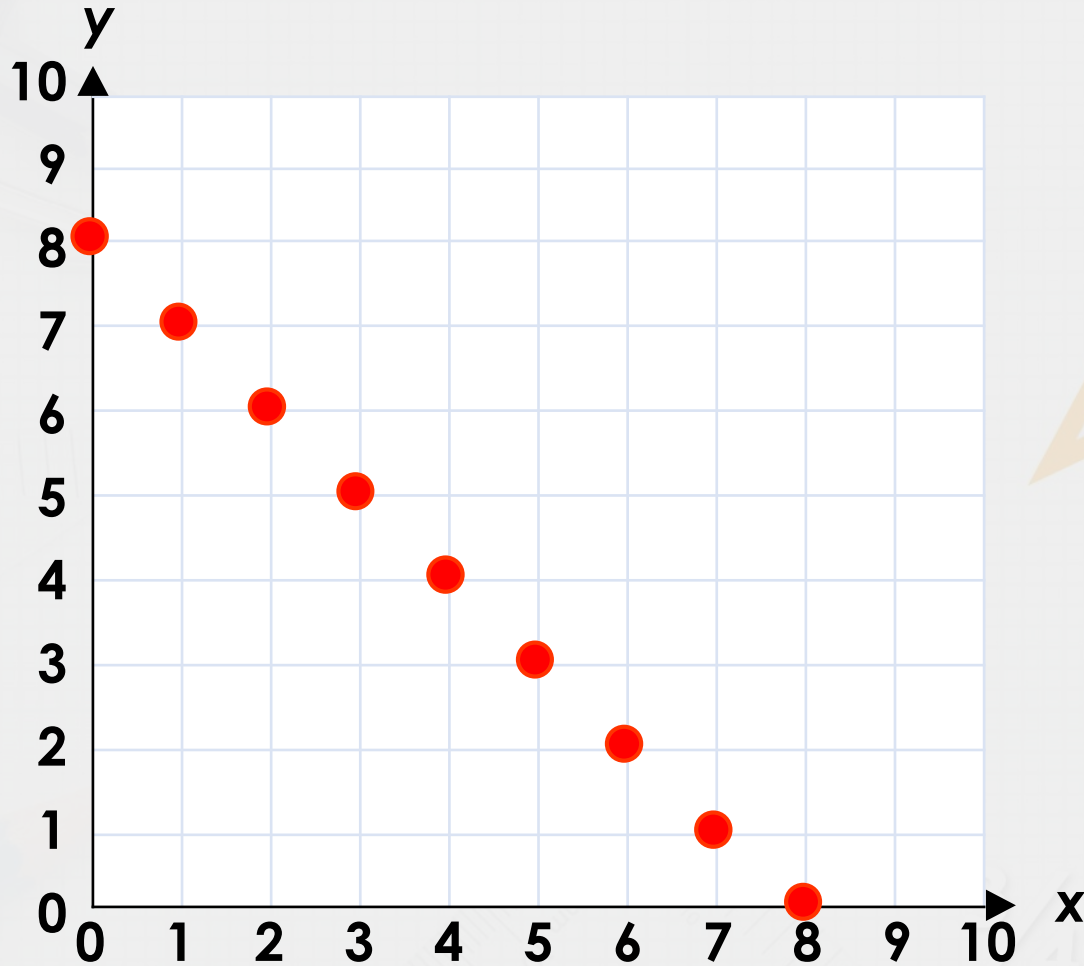
Introduction

The digits in a pair of coordinates add to make 8. What could the coordinates be? Plot them and record them.



Introduction

The digits in a pair of coordinates add to make 8. What could the coordinates be? Plot them and record them.



(0, 8)

(1, 7)

(2, 6)

(3, 5)

(4, 4)

(5, 3)

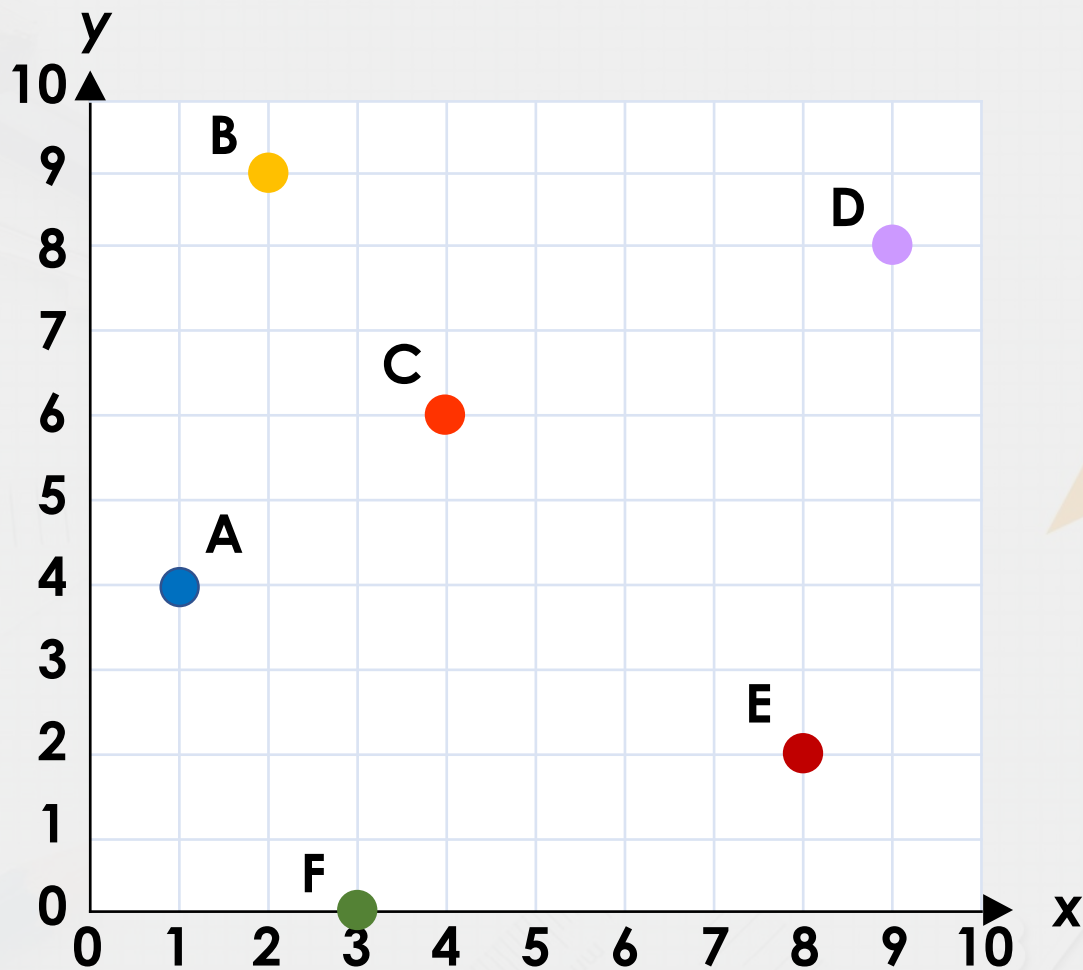
(6, 2)

(7, 1)

(8, 0)

Varied Fluency 1

Are the coordinates of each point correct?



$$A = (1, 4)$$

$$B = (9, 2)$$

$$C = (4, 6)$$

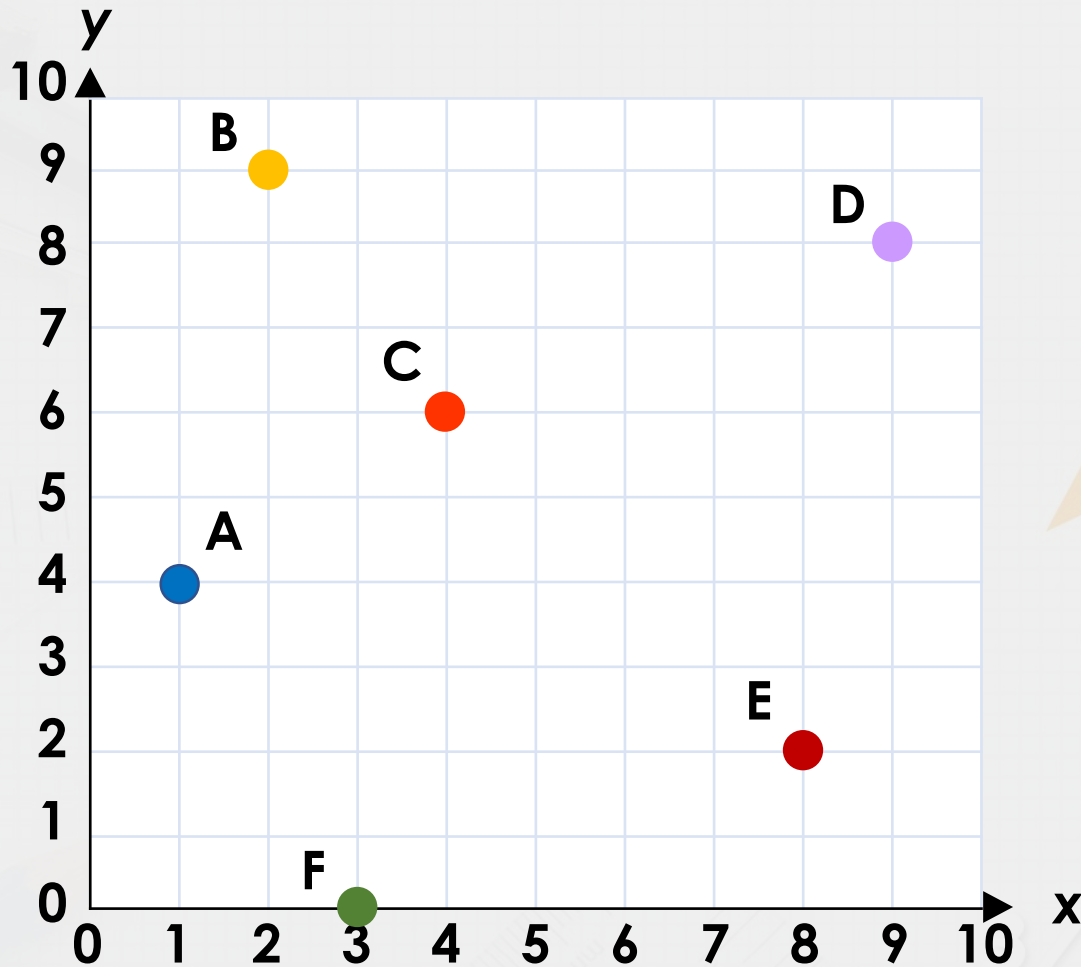
$$D = (8, 9)$$

$$E = (8, 2)$$

$$F = (3, 1)$$

Varied Fluency 1

Are the coordinates of each point correct?



$A = (1, 4)$ ✓

$B = (9, 2)$ ✗ $(2, 9)$

$C = (4, 6)$ ✓

$D = (8, 9)$ ✗ $(9, 8)$

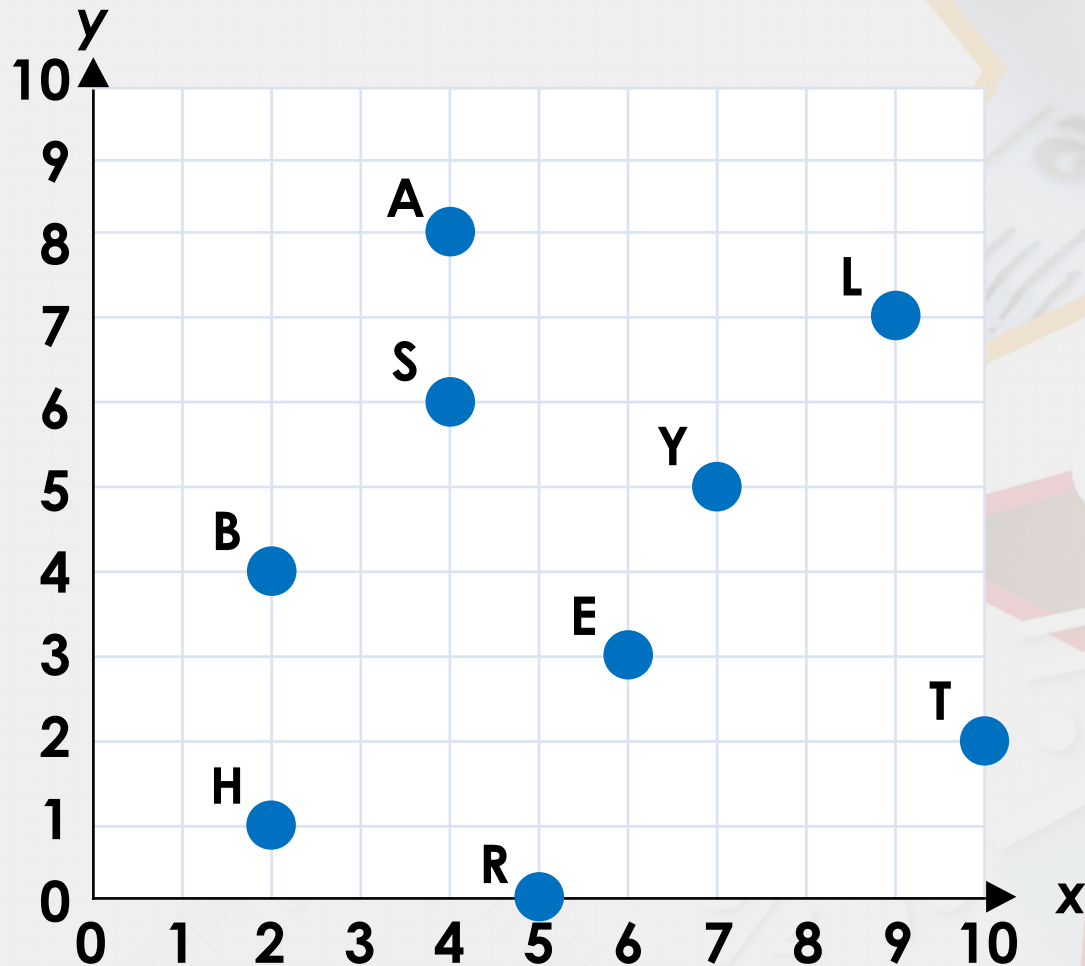
$E = (8, 2)$ ✓

$F = (3, 1)$ ✗ $(3, 0)$

Varied Fluency 2

Find these coordinates in order. What word do the letters spell?

(6, 3) (4, 8) (5, 0) (9, 7) (7, 5)

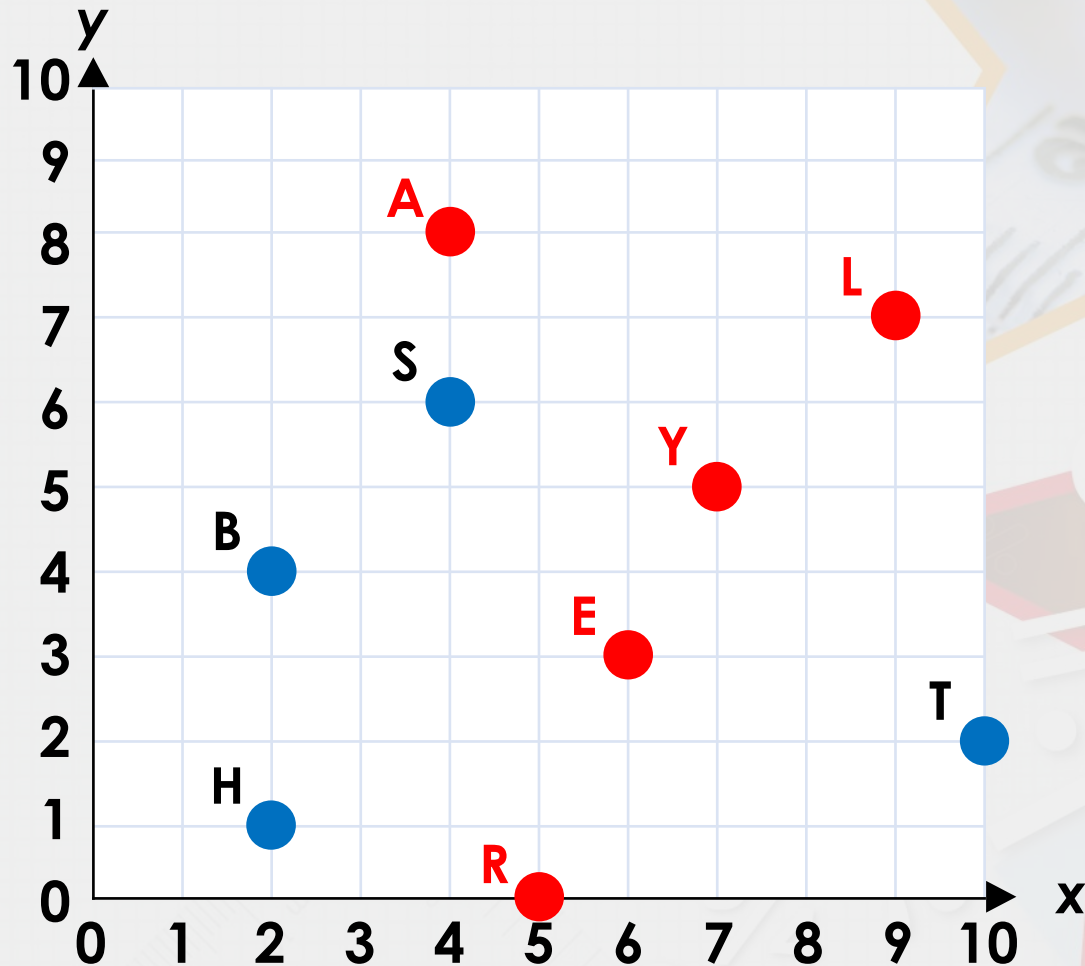


Varied Fluency 2

Find these coordinates in order. What word do the letters spell?

(6, 3) (4, 8) (5, 0) (9, 7) (7, 5)

These
coordinates
spell EARLY.



Varied Fluency 3

Complete the coordinates below and plot any missing points on the grid.

$$A = (5, 3)$$

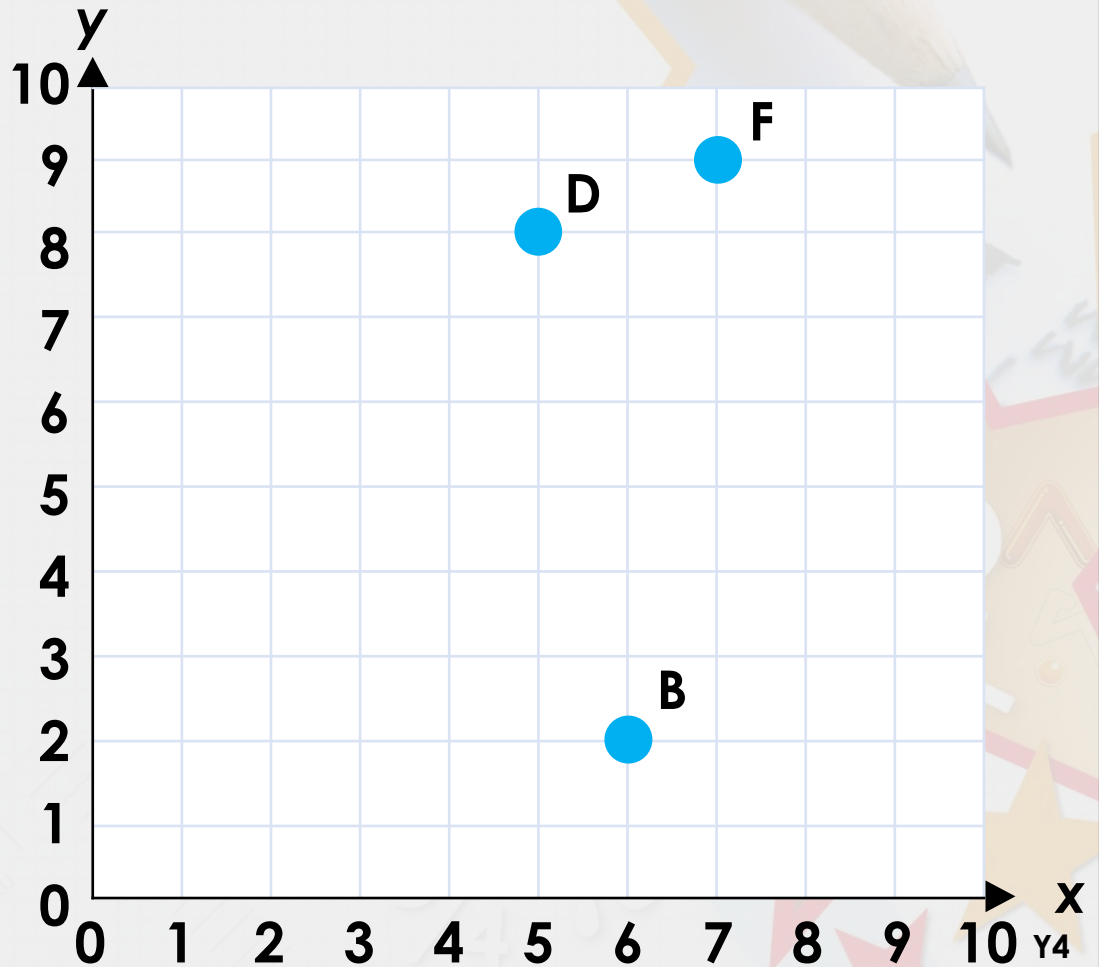
$$B = (,)$$

$$C = (1, 7)$$

$$D = (,)$$

$$E = (4, 6)$$

$$F = (,)$$



Varied Fluency 3

Complete the coordinates below and plot any missing points on the grid.

$$A = (5, 3)$$

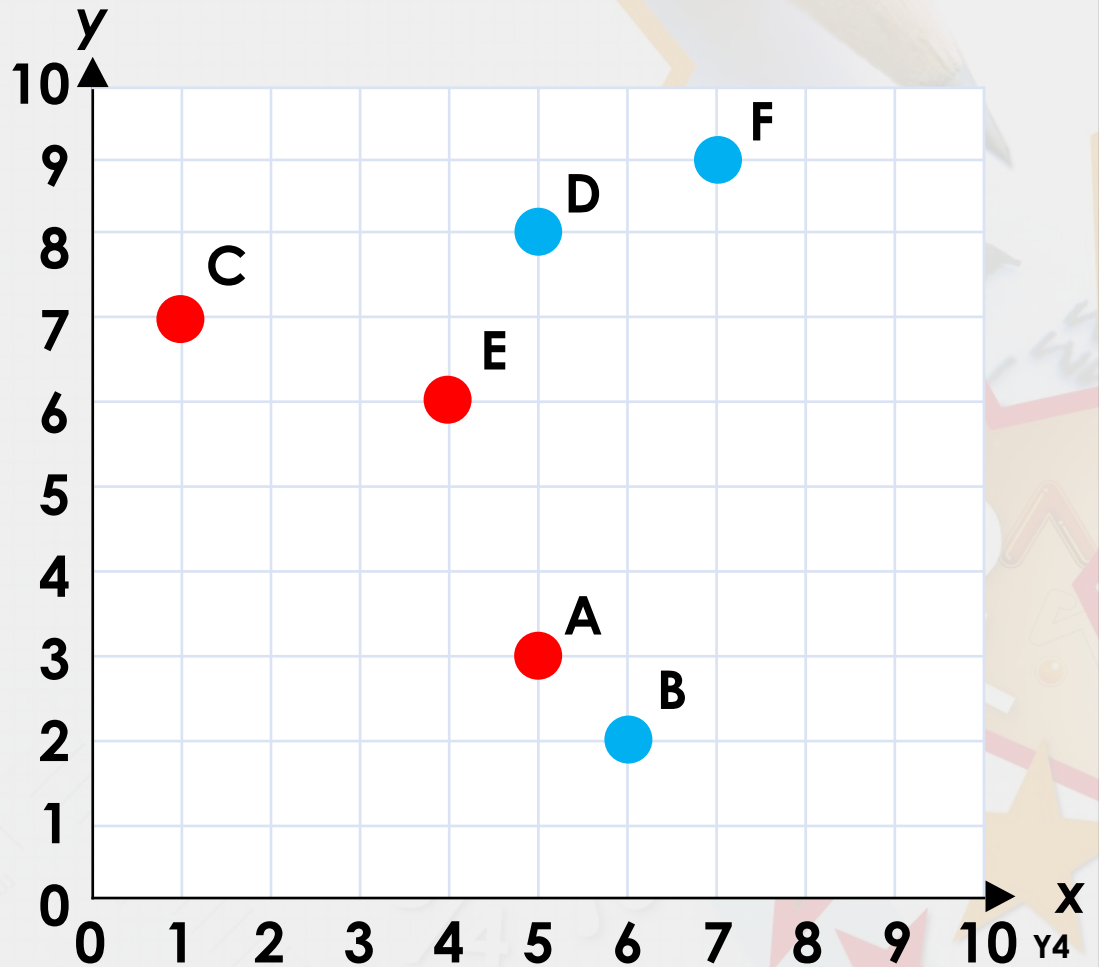
$$B = (6, 2)$$

$$C = (1, 7)$$

$$D = (5, 8)$$

$$E = (4, 6)$$

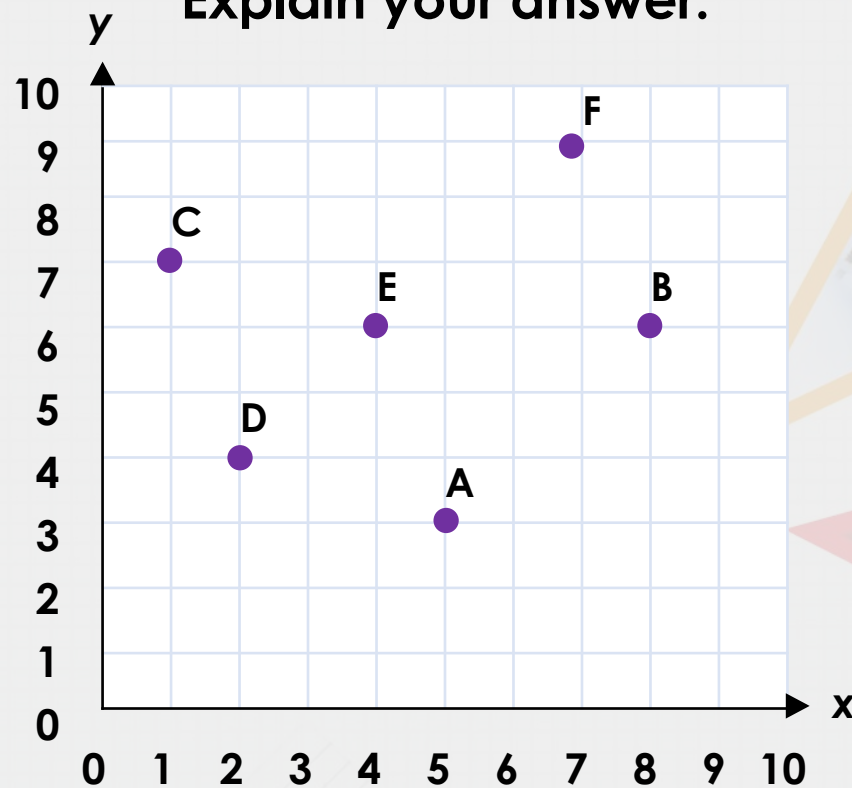
$$F = (7, 9)$$



Reasoning 1

I'm thinking of a coordinate. The value of x is between 3 and 6 and the value of y is between 2 and 5. Which coordinate could it be?

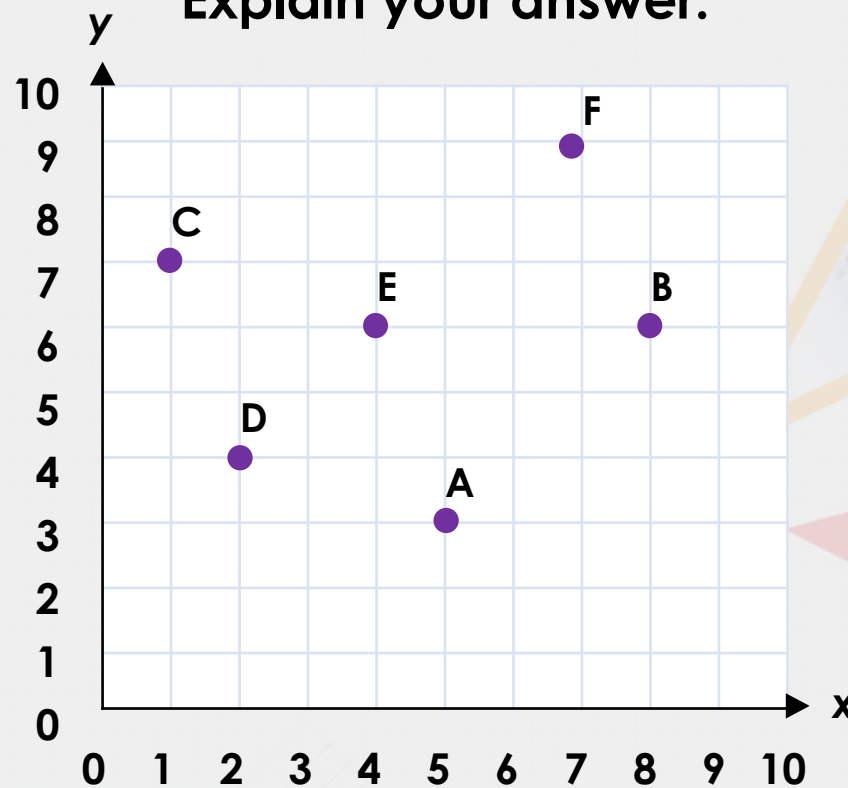
Explain your answer.



Reasoning 1

I'm thinking of a coordinate. The value of x is between 3 and 6 and the value of y is between 2 and 5. Which coordinate could it be?

Explain your answer.

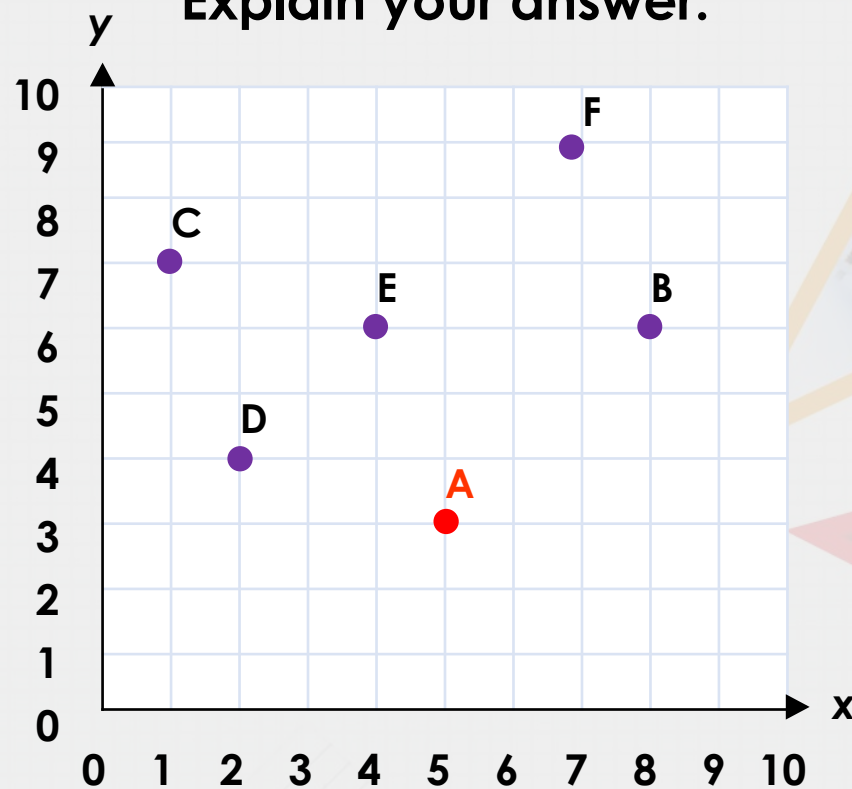


Coordinate A because...

Reasoning 1

I'm thinking of a coordinate. The value of x is between 3 and 6 and the value of y is between 2 and 5. Which coordinate could it be?

Explain your answer.



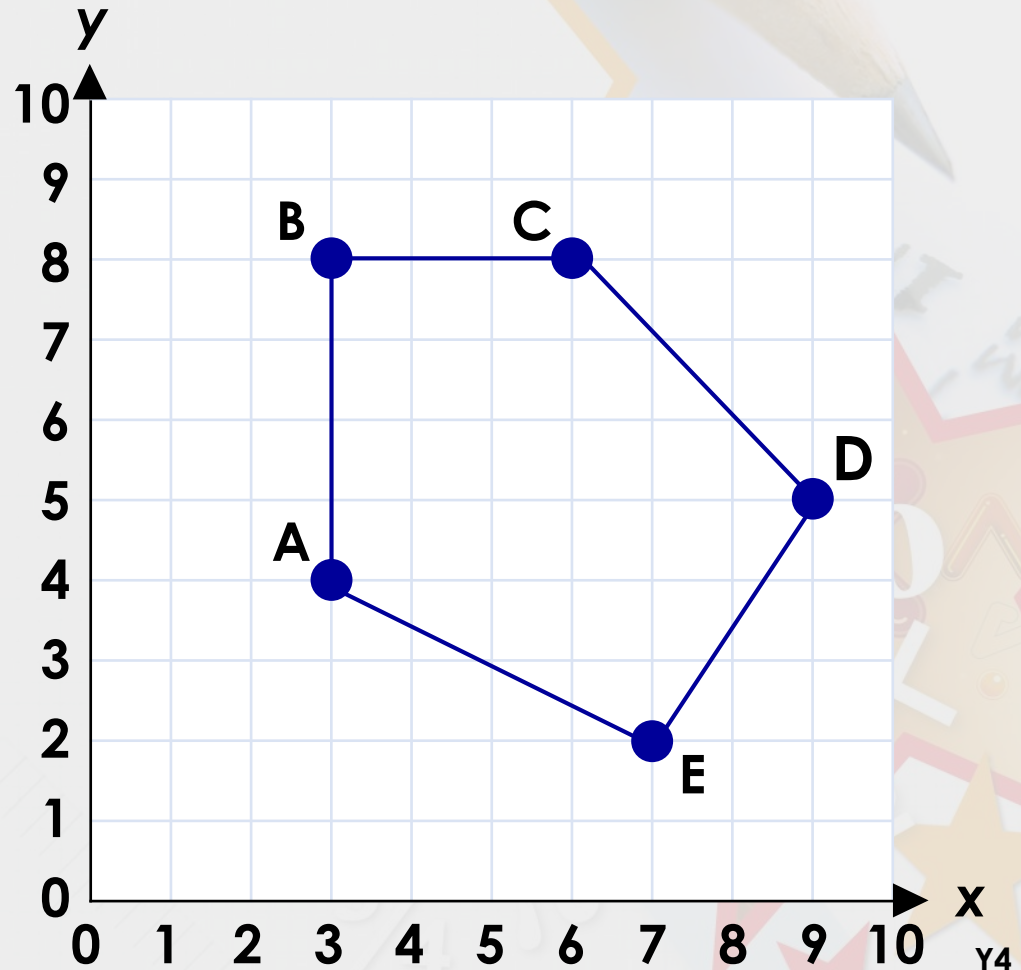
Coordinate A because it is the only point with an x coordinate between 3 and 6 and a y coordinate between 2 and 5.

Problem Solving 1

Billy has written the coordinates for a pentagon. Correct any mistakes he has made.



- Point A = (4, 3)
- Point B = (3, 8)
- Point C = (6, 8)
- Point D = (9, 5)
- Point E = (2, 7)



Problem Solving 1

Billy has written the coordinates for a pentagon. Correct any mistakes he has made.

Billy read the y axis before the x axis for Points A and E, which should have been $(3, 4)$ and $(7, 2)$.



Billy

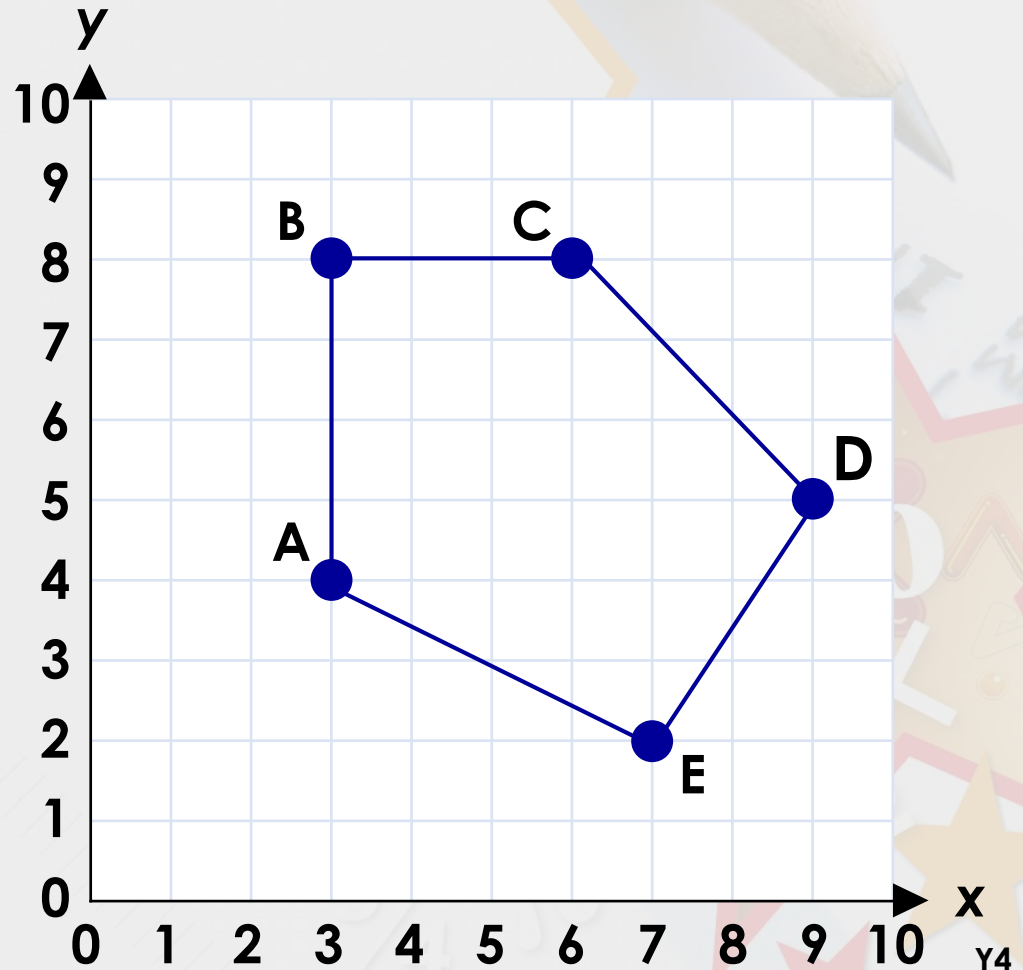
Point A = $(3, 4)$

Point B = $(3, 8)$

Point C = $(6, 8)$

Point D = $(9, 5)$

Point E = $(7, 2)$



Problem Solving 2

$A = (3, 5)$, $C = (8, 3)$. Use this information to work out the coordinates of points B, D, E and F.

Point A = (3, 5)

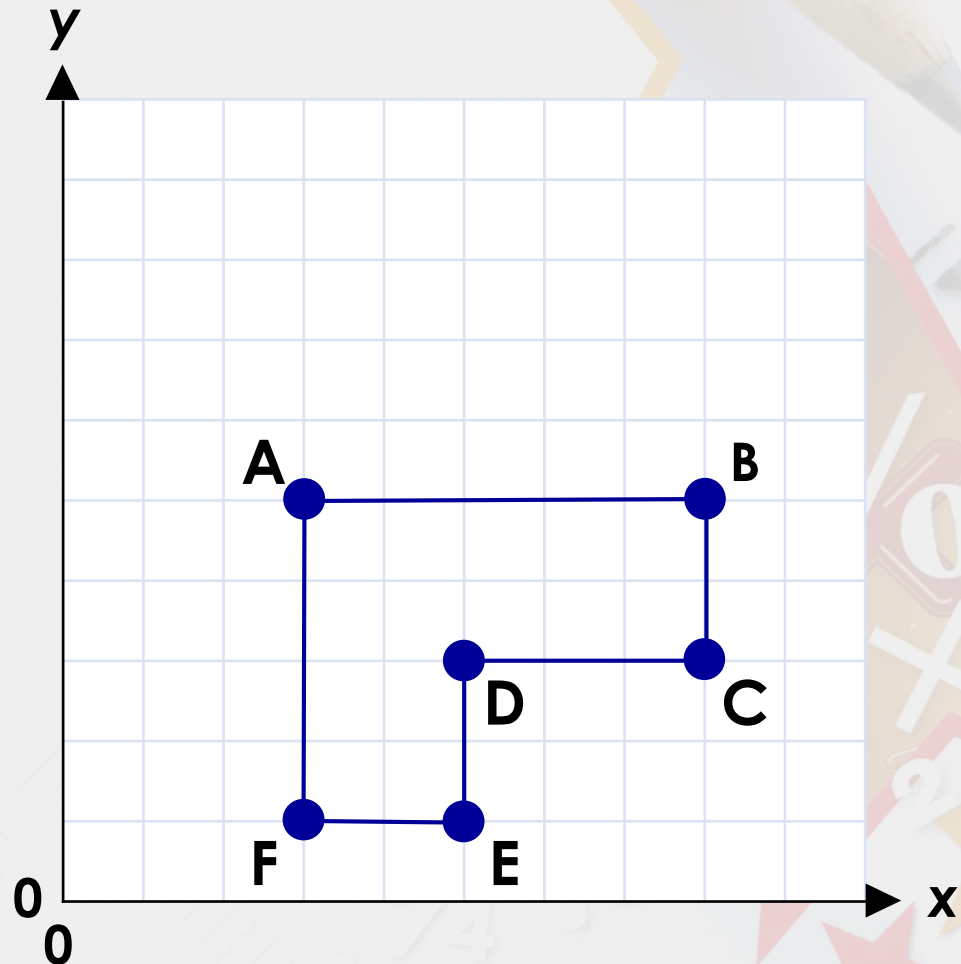
Point B = (,)

Point C = (8, 3)

Point D = (,)

Point E = (,)

Point F = (,)



Problem Solving 2

$A = (3, 5)$, $C = (8, 3)$. Use this information to work out the coordinates of points B, D, E and F.

Point A = $(3, 5)$

Point B = $(8, 5)$

Point C = $(8, 3)$

Point D = $(5, 3)$

Point E = $(5, 1)$

Point F = $(3, 1)$

