Varied Fluency
Step 1: Describe Position

National Curriculum Objectives:

Mathematics Year 4: (4P3a) Describe positions on a 2-D grid as coordinates in the first quadrant.

Differentiation:

Developing Questions to support reading, writing and using simple coordinates in the first quadrant. Using up to 4 points, all points plotted on a 5 x 5 grid, using 1:1 scale.
Expected Questions to support reading, writing and using simple coordinates in the first quadrant. Using up to 6 points, all points plotted on a 10 x 10 grid, using 1:1 scale.
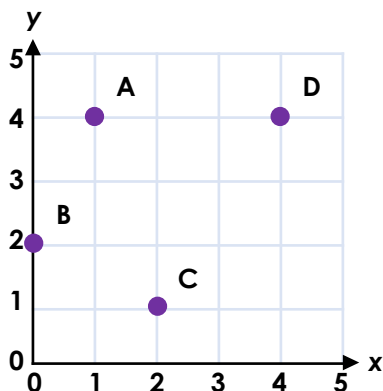**Greater Depth** Questions to support reading, writing and using simple coordinates in the first quadrant. Using up to 6 points, all points plotted on a 10 x 10 grid, using varying scales with some points plotted between increments.

More Year 4 Position and Direction resources.

Did you like this resource? Don't forget to review it on our website.

Describe Position
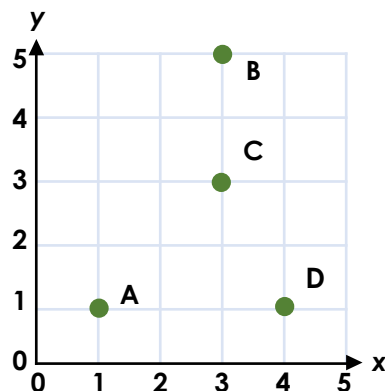
1a. Are the coordinates of each point correct?

A = (4, 1)   B = (0, 2)
C = (2, 1)   D = (4, 3)

VF

Describe Position

1b. Are the coordinates of each point correct?
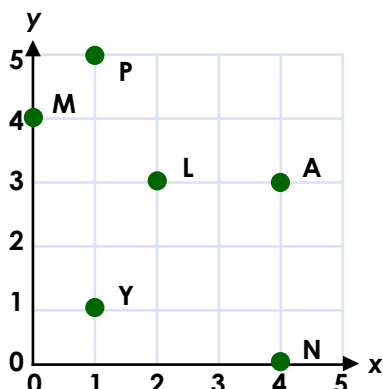

A = (1, 1)   B = (5, 3)
C = (3, 4)   D = (4, 1)

VF

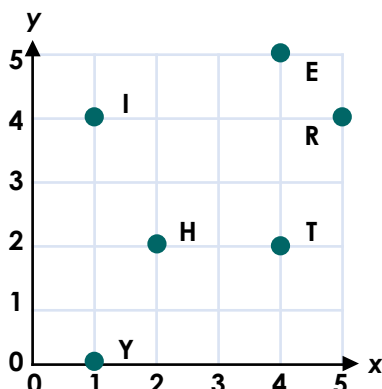**2a. Find the coordinates in order. What word do the letters spell?**

(0, 4)   (4, 3)   (4, 0)   (1, 1)

VF

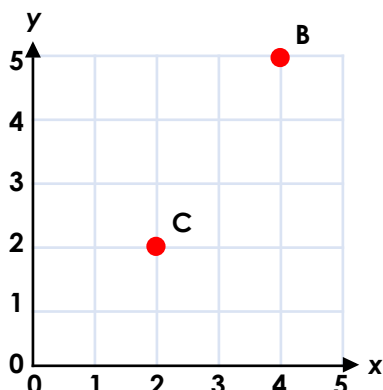**2b. Find the coordinates in order. What word do the letters spell?**

(4, 2)   (2, 2)   (4, 5)   (1, 0)

VF

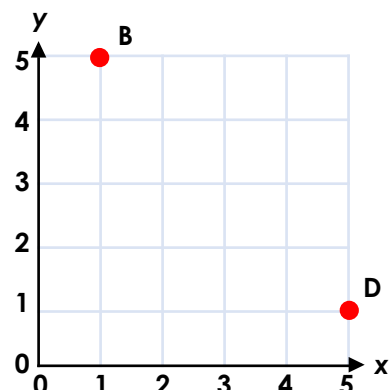**3a. Complete the coordinates below and plot any missing points on the grid.**

A = (1, 3)   B = (,)
C = (,)   D = (1, 4)

VF

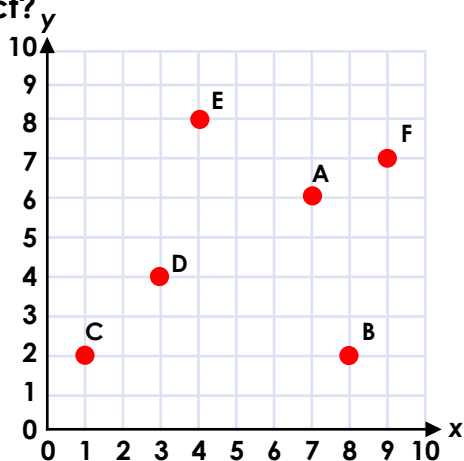**3b. Complete the coordinates below and plot any missing points on the grid.**

A = (5, 2)   B = (,)
C = (3, 3)   D = (,)

VF

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Varied Fluency – Describe Position – Year 4 Developing

Describe Position

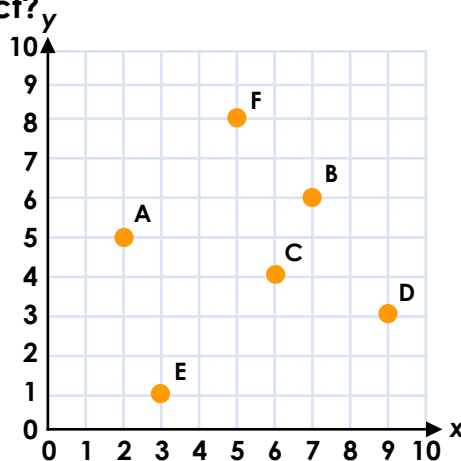### 4a. Are the coordinates of each point correct?

A = (6, 7)   B = (8, 2)   C = (2, 1)
D = (4, 3)   E = (4, 8)   F = (9, 6)

VF

4b. Are the coordinates of each point correct?
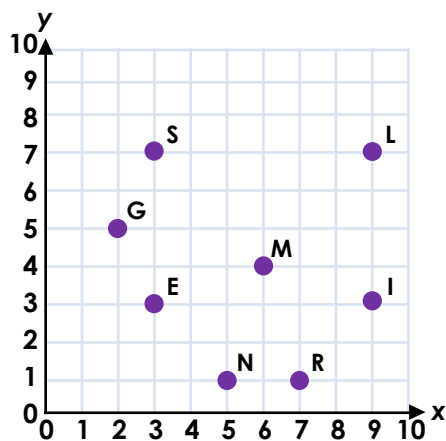

A = (2, 5)   B = (7, 6)   C = (4, 6)
D = (3, 9)   E = (3, 0)   F = (5, 8)

VF

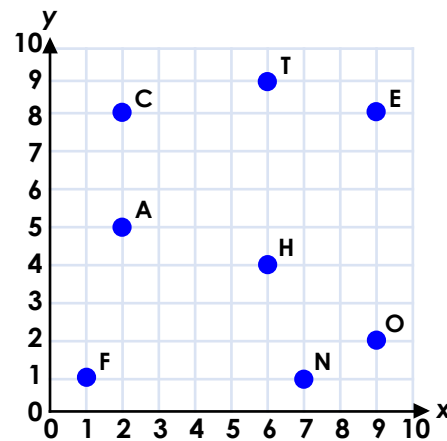### 5a. Find the coordinates in order. What word do the letters spell?

(7, 1)   (3, 3)   (9, 3)   (2, 5)   (5, 1)

VF

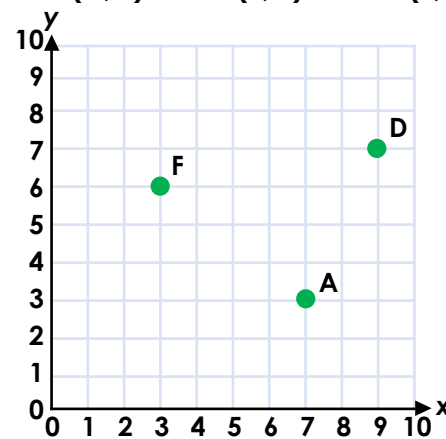### 5b. Find the coordinates in order. What word do the letters spell?

(9, 2)   (1, 1)   (6, 9)   (9, 8)   (7, 1)

VF

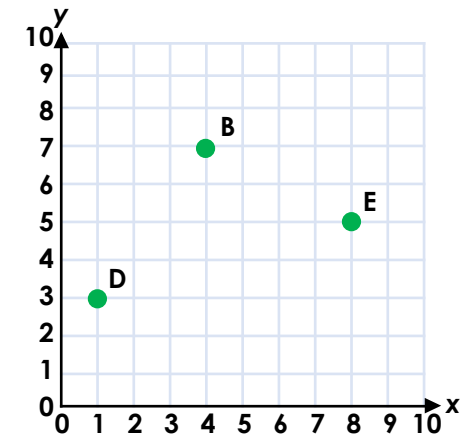### 6a. Complete the coordinates below and plot any missing points on the grid.

A = (,) B = (2, 9)   C = (0, 5)
D = (,) E = (1, 4)   F = (,)

VF

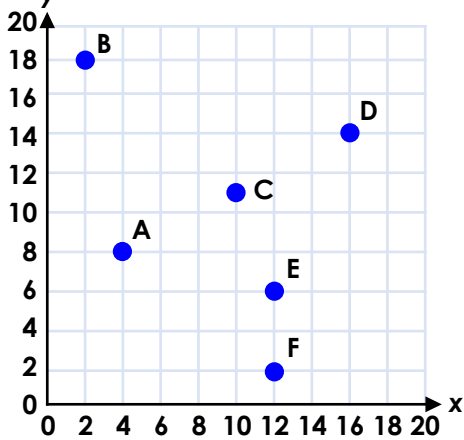### 6b. Complete the coordinates below and plot any missing points on the grid.

A = (5, 4)   B = (,)   C = (2, 7)
D = (,)   E = (,)   F = (9, 1)

VF

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Varied Fluency – Describe Position – Year 4 Expected

Describe Position

Describe Position
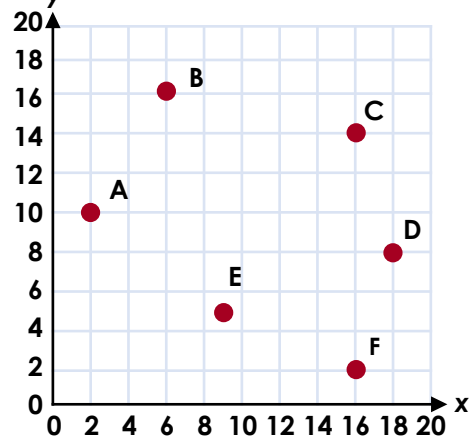
7a. Are the coordinates of each point correct?

A = (8, 4)   B = (2, 18)   C = (10, 12)

D = (15, 15)   E = (7, 12)   F = (12, 2)

VF

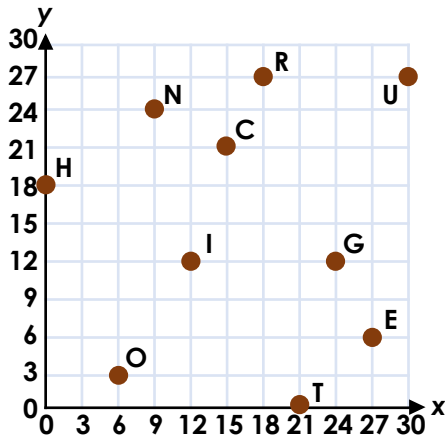**7b. Are the coordinates of each point correct?**

A = (2, 10)   B = (6, 16)   C = (16, 16)

D = (8, 18)   E = (9, 6)   F = (16, 2)

VF

8a. Find the coordinates in order. What word do the letters spell?
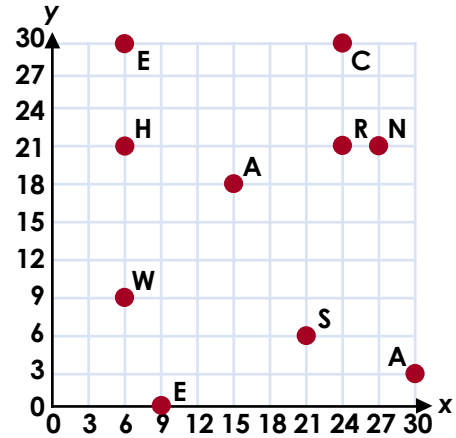
(27, 6)   (9, 24)   (6, 3)   (30, 27)   (24, 12)   (0, 18)

VF

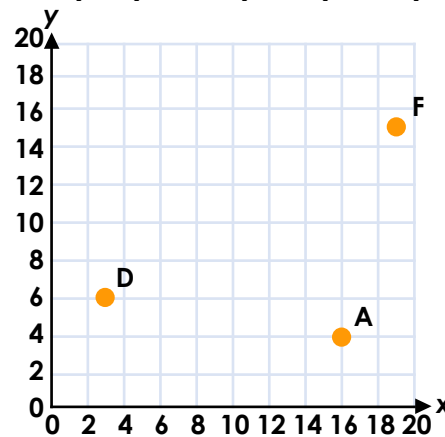**8b. Find the coordinates in order. What word do the letters spell?**

(30, 3)   (27, 21)   (21, 6)   (6, 9)   (6, 30)   (24, 21)

VF

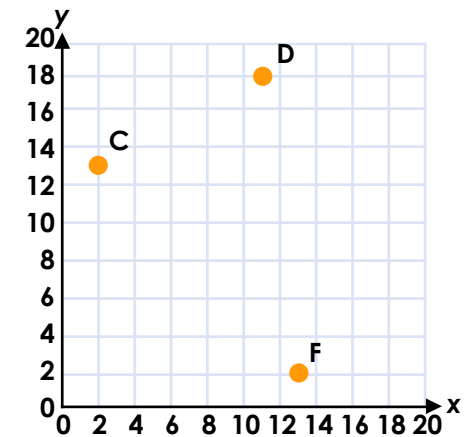**9a. Complete the coordinates below and plot any missing points on the grid.**

A = (,)   B = (8, 13)   C = (2, 19)

D = (,)   E = (17, 16)   F = (,)

VF

9b. Complete the coordinates below and plot any missing points on the grid.

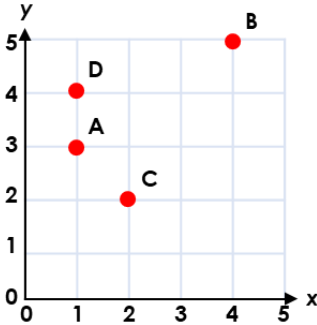A = (17, 14)   B = (19, 5)   C = (,)

D = (,)   E = (3, 11)   F = (,)

VF

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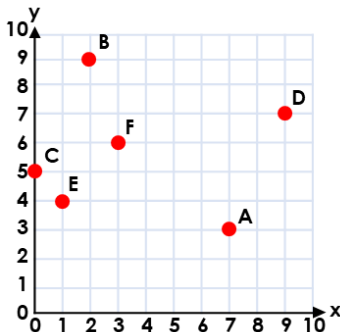**Varied Fluency – Describe Position – Year 4 Greater Depth**

Developing

1a. B and C are correct. A = (1, 4);
D = (4, 4)

2a. These coordinates spell MANY.

3a. B = (4, 5) and C = (2, 2)
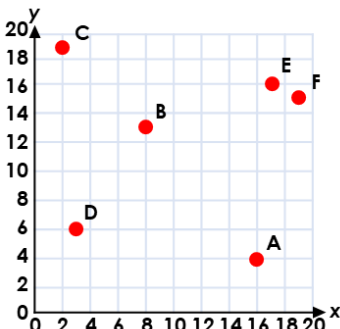
The completed grid should look like this:

Developing

1b. A and D are correct. B = (3, 5);
C = (3, 3)

2b. These coordinates spell THEY.

3b. B = (1, 5) and D = (5, 1)

The completed grid should look like this:

Expected

4a. B and E are correct. A = (7, 6);
C = (1, 2); D = (3, 4); F = (9, 7)

5a. These coordinates spell REIGN.

6a. A = (7, 3), D = (9, 7) and F = (3, 6)

The completed grid should look like this:

Expected

4b. A, B and F are correct. C = (6, 4);
D = (9, 3); E = (3, 1)

5b. These coordinate spell OFTEN.

6b. B = (4, 7), D = (1, 3) and E = (8, 5)

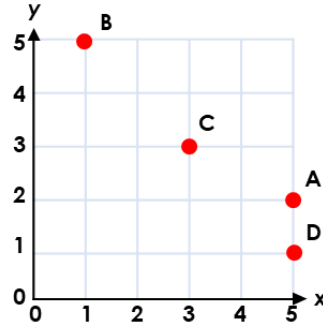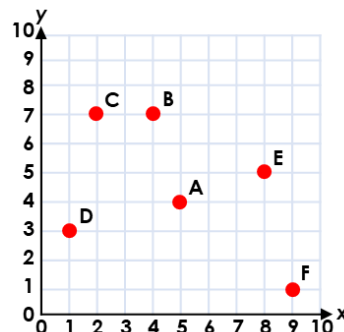The completed grid should look like this:

Greater Depth

7a. B and F are correct. A = (4, 8);
C = (10, 11); D = (16, 14); E = (12, 6)

8a. These coordinates spell ENOUGH.

9a. A = (16, 4), D = (3, 6) and F = (19, 15)

The completed grid should look like this:

Greater Depth

7b. A, B and F are correct. C = (16, 14);
D = (18, 8); E = (9, 5)

8b. These coordinates spell ANSWER.

9b. C = (2, 13), D = (11, 18) and F = (13, 2)

The completed grid should look like this:

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Varied Fluency – Describe Position ANSWERS