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.

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Describe Position

1a. Are the coordinates of each point correct?

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

VF

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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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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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)

GD 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)

GD 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)

GD 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)

GD 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 = (,)

GD 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 = (,)

GD VF

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Varied Fluency
Describe Position

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:

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:

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:

Varied Fluency
Describe Position

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

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

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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