Homework/Extension
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:

Questions 1, 4 and 7 (Varied Fluency)
Developing State whether the coordinates given are true or false. Using up to 4 points, all points plotted on a 5x5 grid, using 1:1 scale.
Expected State whether the coordinates given are true or false. Using up to 6 points, all points plotted on a 10x10 grid, using 1:1 scale.
Greater Depth State whether the coordinates given are true or false. Using up to 6 points, all points plotted on a 10x10 grid, using varying scales with some points plotted between increments.

Questions 2, 5 and 8 (Varied Fluency)
Developing Identify symbols using given coordinates. Using up to 4 points, all points plotted on a 5x5 grid, using 1:1 scale.
Expected Identify symbols using given coordinates. Using up to 6 points, all points plotted on a 10x10 grid, using 1:1 scale.
Greater Depth Identify symbols using given coordinates. Using up to 6 points, all points plotted on a 10x10 grid, using varying scales with some points plotted between increments.

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Give the correct coordinates to make a given shape. Using up to 4 points, all points plotted on a 5x5 grid, using 1:1 scale.
Expected Give the correct coordinates to make a given shapes. Using up to 6 points, all points plotted on a 10x10 grid, using 1:1 scale.
Greater Depth Give the correct coordinates to make a given shapes. Using up to 6 points, all points plotted on a 10x10 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

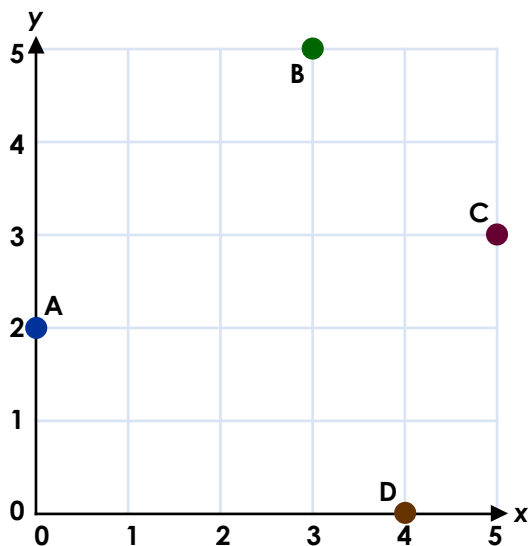## 1. True or false?

Point A = (2, 0)

Point B = (3, 5)

Point C = (3, 5)

Point D = (4, 1)

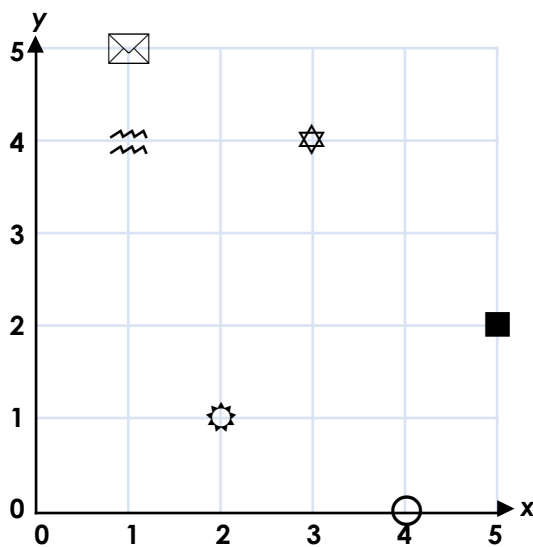## 2. Which symbols can be found at the following coordinates?
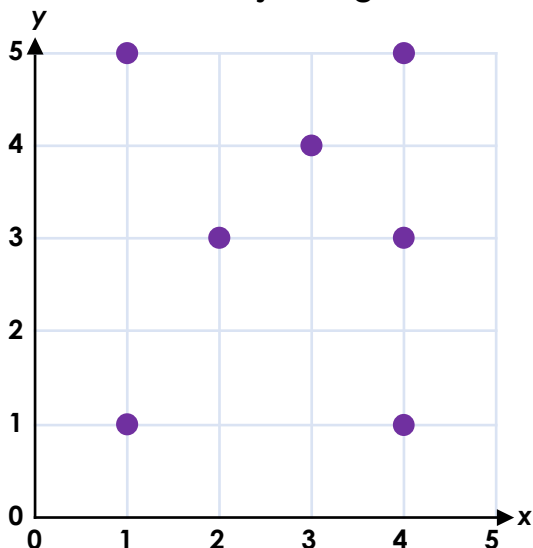
A = (2, 1) = _____

B = (3, 4) = _____

C = (1, 5) = _____

D = (4, 0) = _____

3. Write the coordinates which join together to form a rectangle.

(,   )

(,   )

(,   )

(,   )

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Homework/Extension – Describe Position – Year 4 Developing
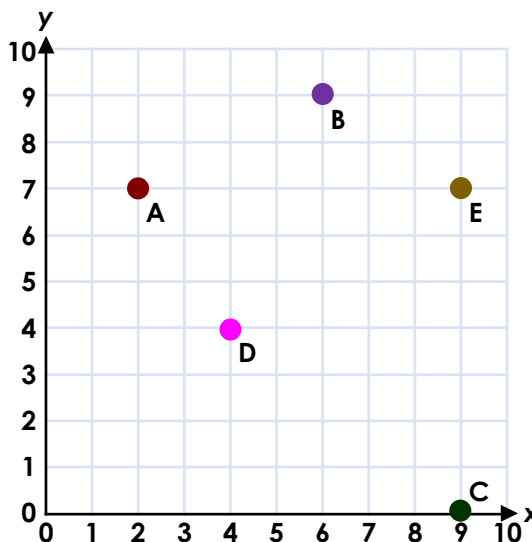
Describe Position

4. True or false?

Point A = (2,7)

Point B = (9,6)

Point C = (8,1)
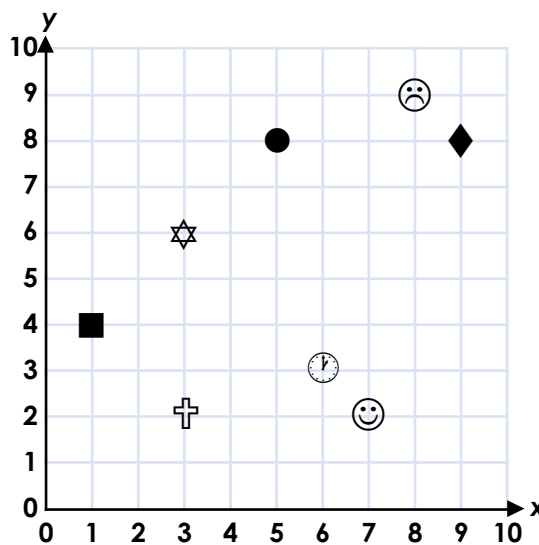
Point D = (4,4)

Point E = (9, 7)

5. Which symbols can be found at the following coordinates?

A = (3, 6) = _____

B = (7, 2) = _____

C = (9, 8) = _____

D = (1, 4) = _____

6. Find two sets of coordinates which join together to form a square.
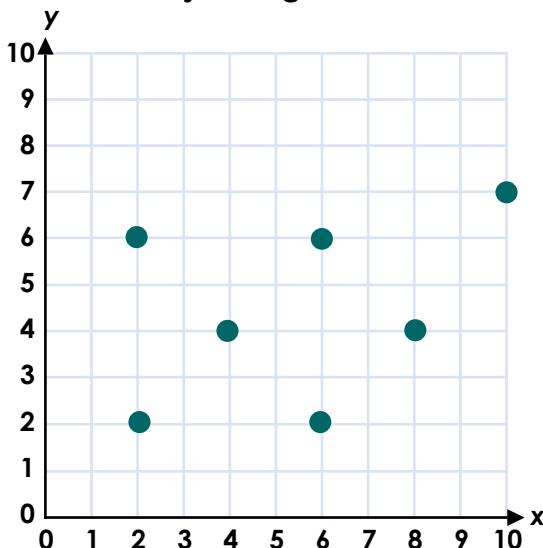
(,)   (,)

(,)   (,)

(,)   (,)

(,)   (,)

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Homework/Extension – Describe Position – Year 4 Expected

Describe Position

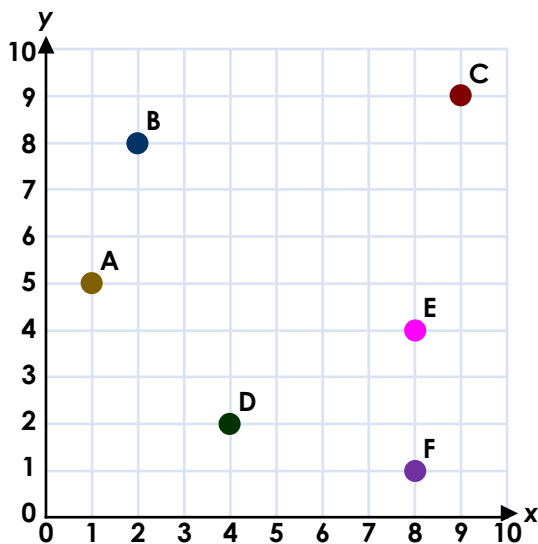**7. True or false?**

Point A = (1, 6)

Point B = (2, 8)

Point C = (9, 9)

Point D = (5, 2)

Point E = (8, 4)

Point F = (1, 8)

VF
HW/Ext

8. Which symbols can be found at the following coordinates?
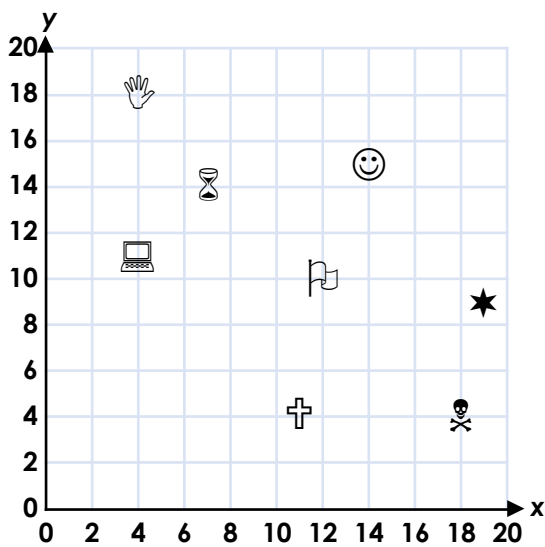
A = (11, 4) = _____

B = (19, 9) = _____

C = (4, 18) = _____

D = (14, 15) = _____

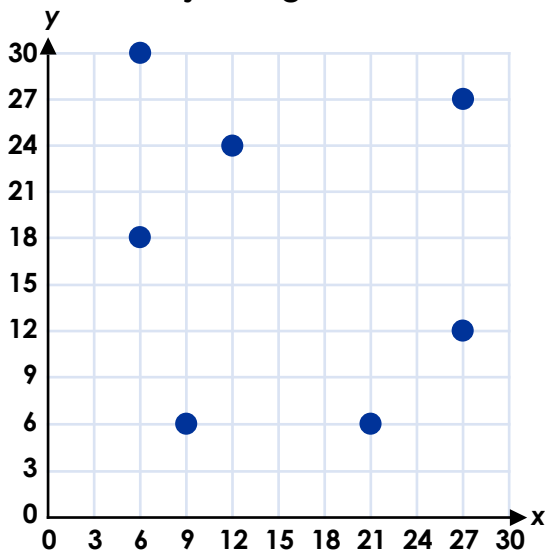E = (12, 10) = _____

F = (7, 14) = _____

VF
HW/Ext

9. Find two sets of coordinates which join together to form a trapezium.

(,   )   (,   )

(,   )   (,   )

(,   )   (,   )

(,   )   (,   )

RPS
HW/Ext

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Homework/Extension – Describe Position – Year 4 Greater Depth

Developing
1. **True – point B**
False – point A = (0,2); point C = (5,3) and point D = (4,0)
2. **A. sun; B. star; C. envelope and D. circle**
3. **When joined, (1, 5), (4, 5), (4, 1) and (1, 1) form a rectangle.**

Expected
4. **True – points A, D and E**
False – point B = (6,9); point C = (9,0)
5. **A. star; B. smiley face; C. rhombus and D. square**
6. **When joined, (2,2), (6, 2), (6, 6) and (2, 6) make a square. When (4,4), (6,2), (6,6) and (8,4) are joined, they also form a square.**

Greater Depth
7. **True – points B, C and E**
False – point A = (1,5); point D = (4,2) and point F (8,1)
8. **A. cross; B. star; C. hand; D. smiley face; E. flag and F. timer**
9. **When joined, (6, 18), (12, 24), (9, 6) and (27, 27) make a trapezium. When (9, 6), (27, 27), (21, 6) and (27, 12) are joined, they also form a trapezium.**