# Varied Fluency Step 4: Describe Movement

## National Curriculum Objectives:

Mathematics Year 4: (4P2) <u>Describe movements between positions as translations of a</u> <u>given unit to the left/right and up/down</u> Mathematics Year 4: (4P3a) <u>Describe positions on a 2-D grid as coordinates in the first</u> <u>quadrant</u>

## Differentiation:

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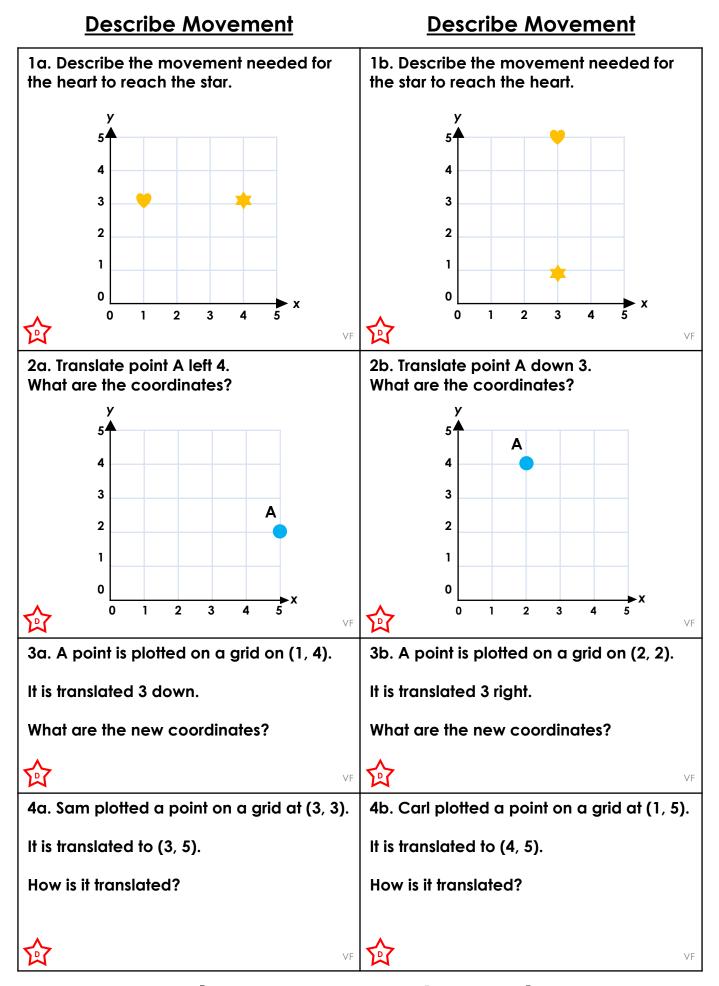
Developing Questions to support one-step translations (left, right, up or down) of singular points on a 2D grid. All points plotted on a 5x5 grid (using 1:1 scale) Expected Questions to support two-step translations of singular points on a 2D grid. All points plotted on a 10x10 grid (using 1:1 scale)

Greater Depth Questions to support two-step translations of singular points. All points plotted on a 10x10 grid (using varying scales) with some points plotted between increments.

More <u>Year 4 Position and Direction</u> resources.

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

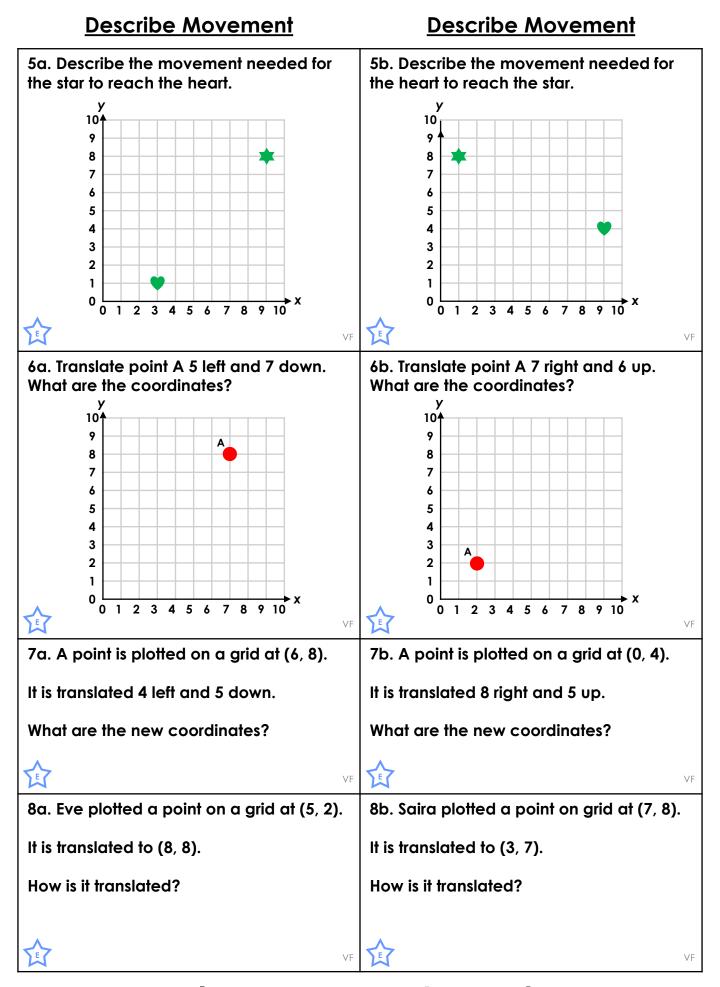
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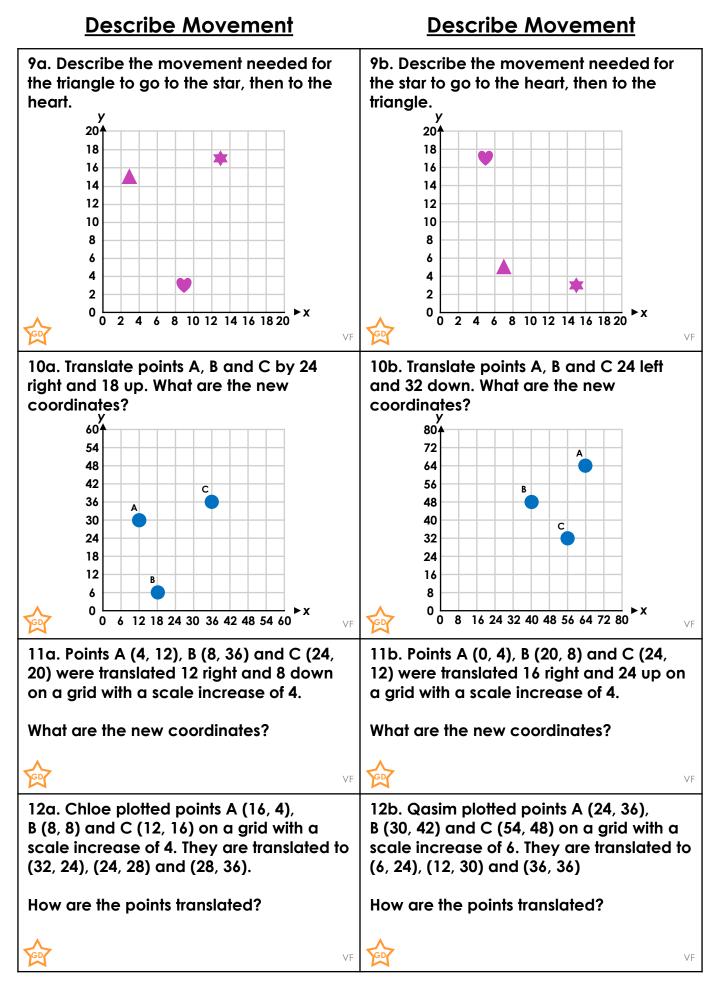
Varied Fluency - Describe Movement - Year 4 Developing



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Varied Fluency - Describe Movement - Year 4 Expected



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Varied Fluency - Describe Movement - Year 4 Greater Depth

## Varied Fluency Describe Movement

#### **Developing**

1a. 3 right 2a. (1, 2) 3a. (1, 1) 4a. 2 up

#### **Expected**

5a. 6 left and 7 down 6a. (2, 1) 7a. (2, 3) 8a. 3 right and 6 up

#### **Greater Depth**

9a. 10 right and 2 up; 14 down and 4 left
10a. A. (36, 48); B. (42, 24); C. (60, 54)
11a. A. (16, 4); B. (20, 28); C. (36, 12)
12a. 16 right and 20 up

## Varied Fluency Describe Movement

## Developing

1b. 4 up 2b. (2, 1) 3b. (5, 2) 4b. 3 right

#### **Expected**

5b. 8 left and 4 up 6b. (9, 8) 7b. (8, 9) 8b. 4 left and 1 down

#### Greater Depth

9b. 10 left and 14 up; 2 right and 12 down 10b. A. (40, 32); B. (16, 16); C. (32, 0) 11b. A. (16, 28); B. (36, 32); C. (40, 36) 12b. 18 left and 12 down



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Varied Fluency – Describe Movement ANSWERS