

# Varied Fluency

## Step 7: Number Line to 10,000

### National Curriculum Objectives:

Mathematics Year 4: (4N4a) [Identify, represent and estimate numbers using different representations](#)

### Differentiation:

**Developing** Questions to support placing 4-digit multiples of 100 on number lines. Start, end and some mid points labelled.

**Expected** Questions to support placing 4-digit multiples of 10 or 100 on number lines. Start and end points labelled.

**Greater Depth** Questions to support placing 4-digit numbers of multiples of 5 and 10 on number lines. Number lines with some points labelled at non-uniform intervals.

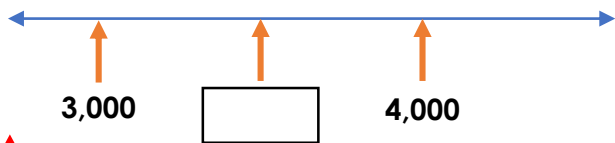
More [Year 4 Place Value](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

# Number Line to 10,000

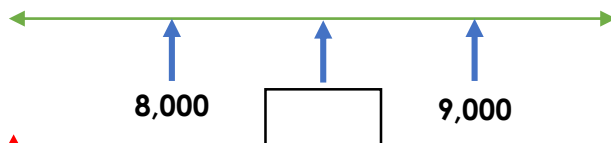
# Number Line to 10,000

1a. Label the midpoint of these numbers.



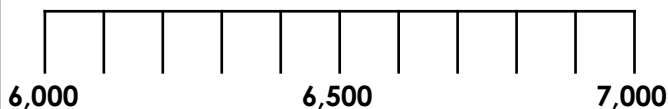
VF

1b. Label the midpoint of these numbers.



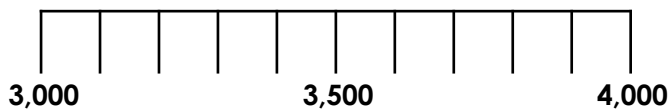
VF

2a. Draw a cross to represent the number 6,800 on this number line.



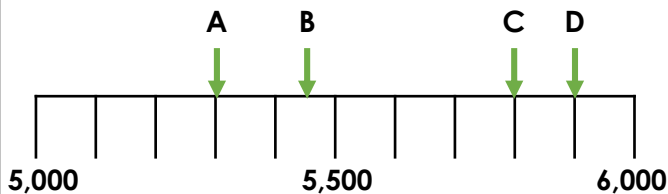
VF

2b. Draw a cross to represent the number 3,400 on this number line.



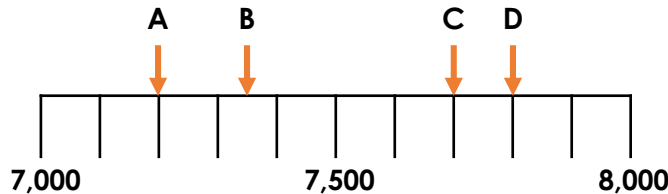
VF

3a. Circle the letter that represents 5,300.



VF

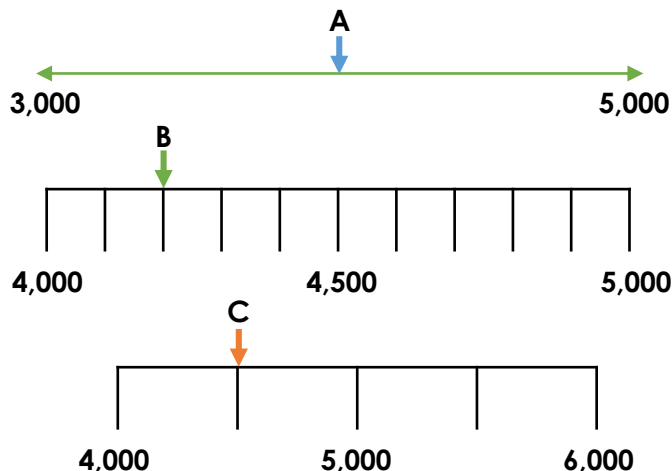
3b. Circle the letter that represents 7,800.



VF

4a. Which letter represents each number on the number lines below?

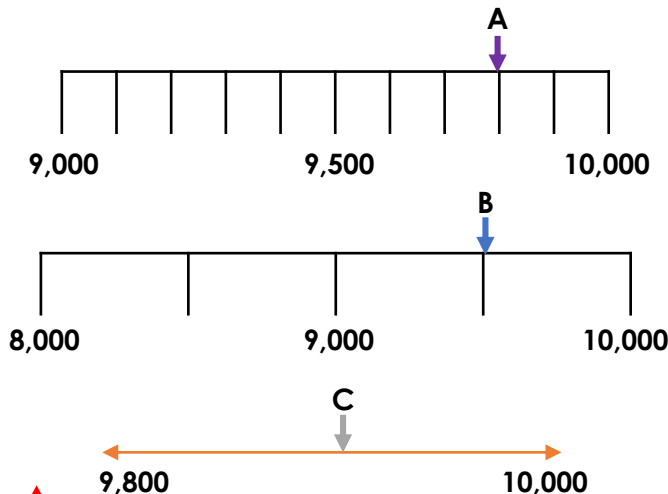
4,200 is ___	4,500 is ___	4,000 is ___
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VF

4b. Which letter represents each number on the number lines below?

9,900 is ___	9,800 is ___	9,500 is ___
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VF

# Number Line to 10,000

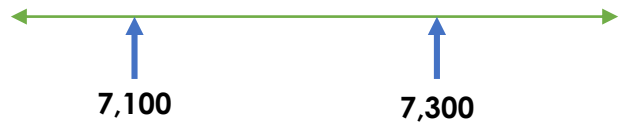
# Number Line to 10,000

5a. Label the midpoint of these numbers.



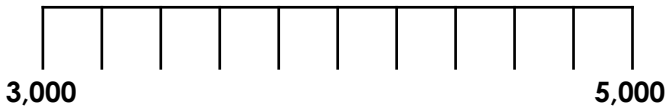
VF

5b. Label the midpoint of these numbers.



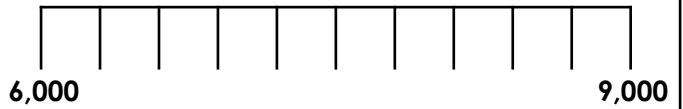
VF

6a. Draw a cross to represent the number 3,200 on this number line.



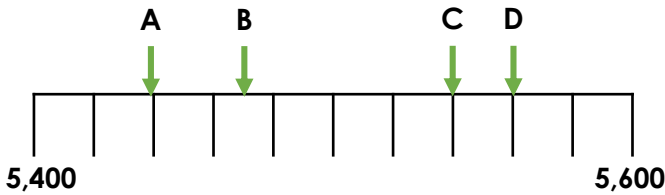
VF

6b. Draw a cross to represent the number 7,800 on this number line.



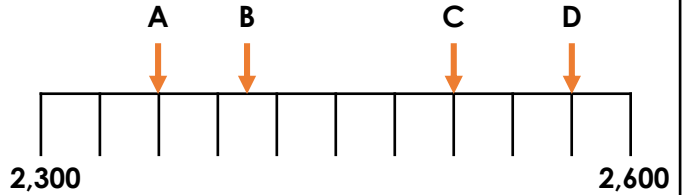
VF

7a. Circle the letter that represents 5,470.



VF

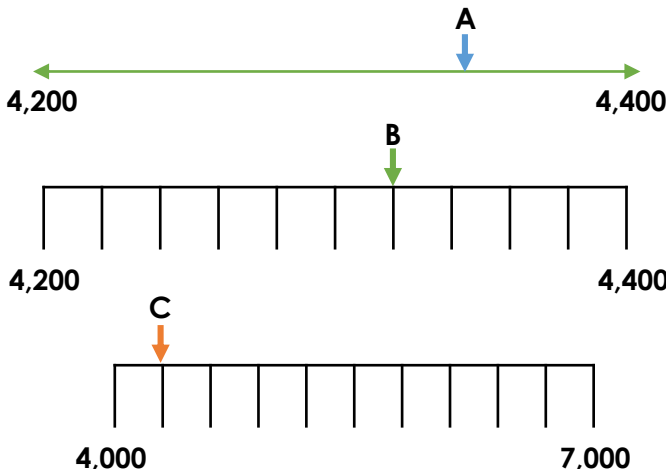
7b. Circle the letter that represents 2,510.



VF

8a. Which letter represents each number on the number lines below?

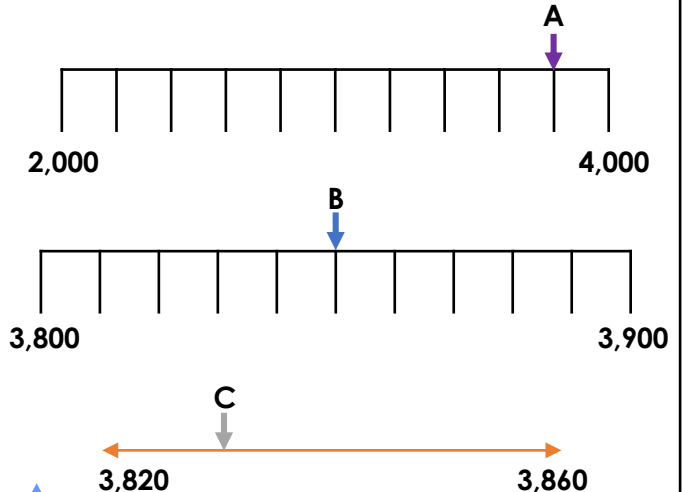
4,320 is ___	4,300 is ___	4,350 is ___
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VF

8b. Which letter represents each number on the number lines below?

3,800 is ___	3,830 is ___	3,850 is ___
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VF

# Number Line to 10,000

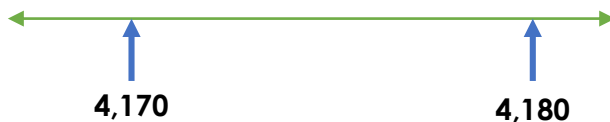
# Number Line to 10,000

9a. Label the midpoint of these numbers.



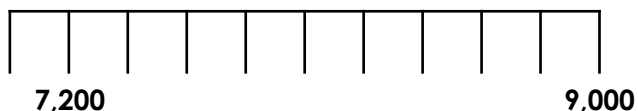
VF

9b. Label the midpoint of these numbers.



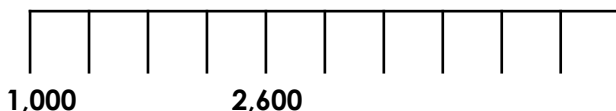
VF

10a. Draw a cross to represent the number 7,900 on this number line.



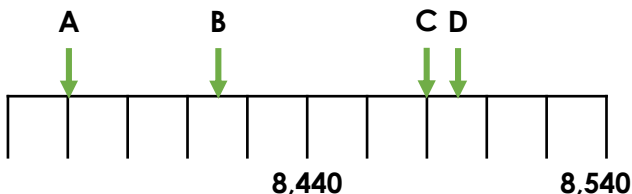
VF

10b. Draw a cross to represent the number 3,200 on this number line.



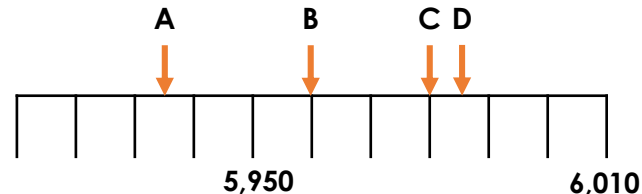
VF

11a. Circle the letter that represents 8,480.



VF

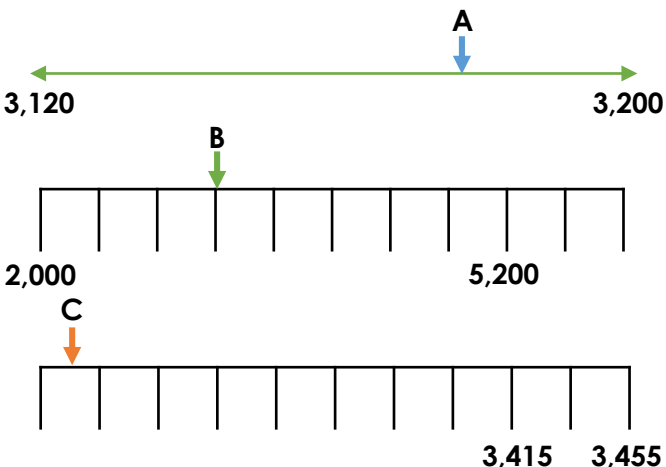
11b. Circle the letter that represents 5,985.



VF

12a. Which letter represents each number on the number lines below?

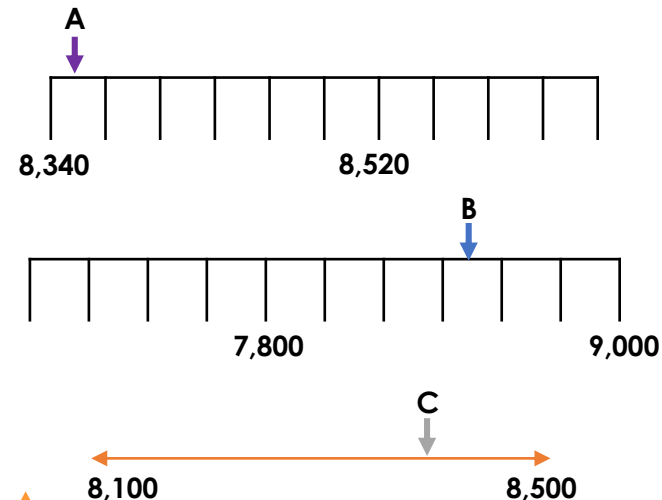
3,265 is ___	3,180 is ___	3,200 is ___
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VF

12b. Which letter represents each number on the number lines below?

8,355 is ___	8,500 is ___	8,400 is ___
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VF

Varied Fluency  
Number Line to 10,000

Developing

- 1a. 3,500  
2a. Cross on line (8th interval)  
3a. A  
4a. 4,200 – B; 4,500 – C; 4,000 – A

Expected

- 5a. 3,550  
6a. Cross on line (1st interval)  
7a. B  
8a. 4,320 – B; 4,300 – C; 4,350 – A

Greater Depth

- 9a. 7,385  
10a. Cross on line (half way between 4<sup>th</sup> and 5<sup>th</sup> interval)  
11a. C  
12a. 3,265 – C; 3,180 – A; 3,200 – B

Varied Fluency  
Number Line to 10,000

Developing

- 1b. 8,500  
2b. Cross on line (4th interval)  
3b. D  
4b. 9,900 – C; 9,800 – A; 9,500 – B

Expected

- 5b. 7,200  
6b. Cross on line (6th interval)  
7b. C  
8b. 3,800 – A; 3,830 – C; 3,850 – B

Greater Depth

- 9b. 4,175  
10b. Cross on line (half way between 5<sup>th</sup> and 6<sup>th</sup> interval)  
11b. D  
12b. 8,355 – A; 8,500 – B; 8,400 – C