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.
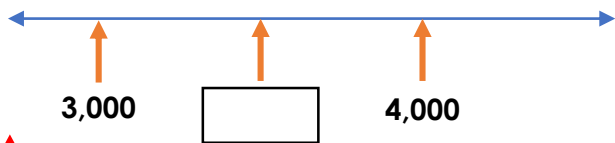
More Year 4 Place Value resources.

Did you like this resource? Don't forget to review it on our website.
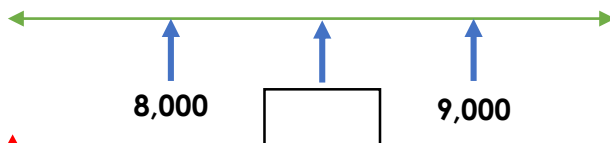
Number Line to 10,000

Number Line to 10,000

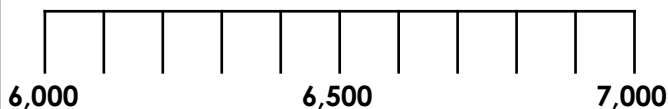**1a.** Label the midpoint of these numbers.

3,000 [ ] 4,000

VF

1b. Label the midpoint of these numbers.

8,000 [ ] 9,000
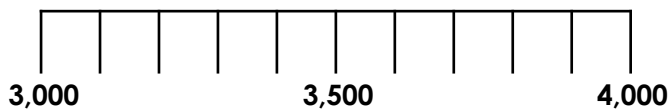
VF

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

6,000   6,500   7,000

VF

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

3,000   3,500   4,000

VF

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

A   B   C   D

5,000   5,500   6,000
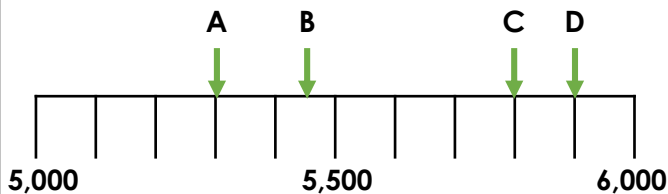
VF

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

A   B   C   D

7,000   7,500   8,000
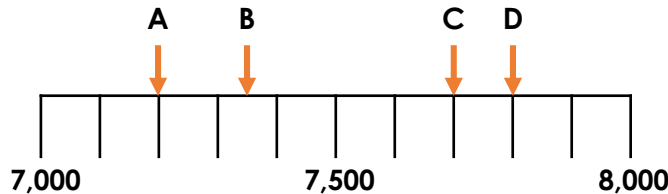
VF

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

| 4,200 is ___ | 4,500 is ___ | 4,000 is ___ |

A

3,000   5,000

B

4,000   4,500   5,000

C

4,000   5,000   6,000
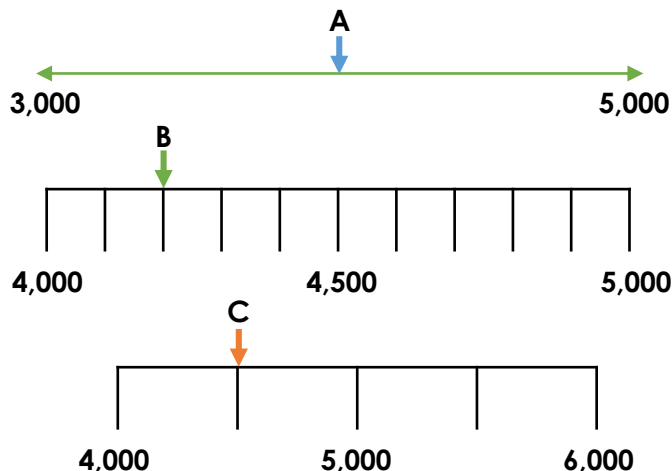
VF

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

| 9,900 is ___ | 9,800 is ___ | 9,500 is ___ |

A

9,000   9,500   10,000

B

8,000   9,000   10,000

C

9,800   10,000
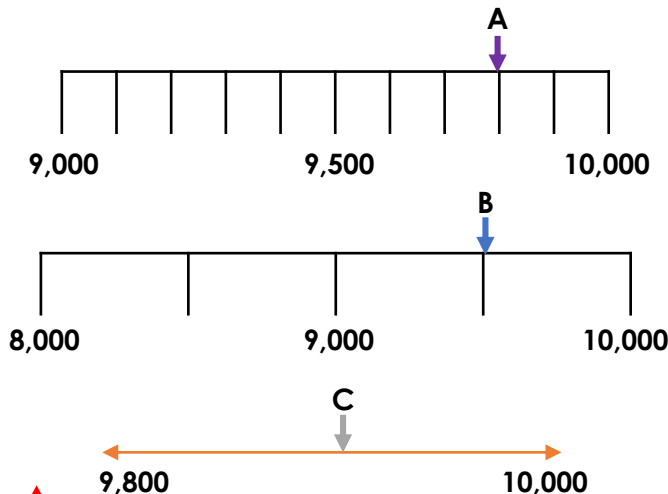
VF

Number Line to 10,000

5a. Label the midpoint of these numbers.

3,500   3,600
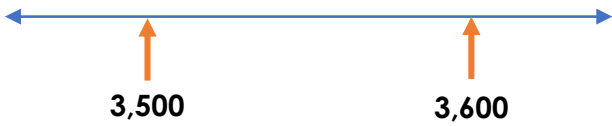
E   VF

5b. Label the midpoint of these numbers.

7,100   7,300
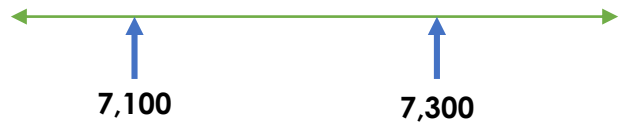
E   VF

6a. Draw a cross to represent the number 3,200 on this number line.
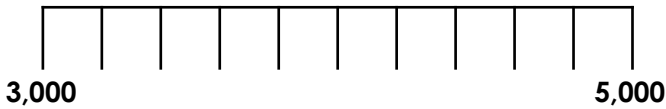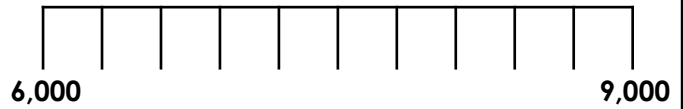
3,000   5,000

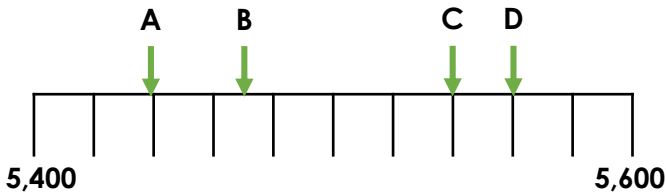E   VF

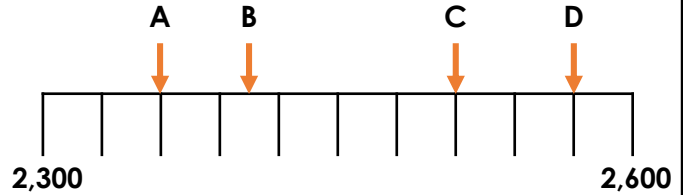## 6b. Draw a cross to represent the number 7,800 on this number line.

6,000   9,000

E   VF

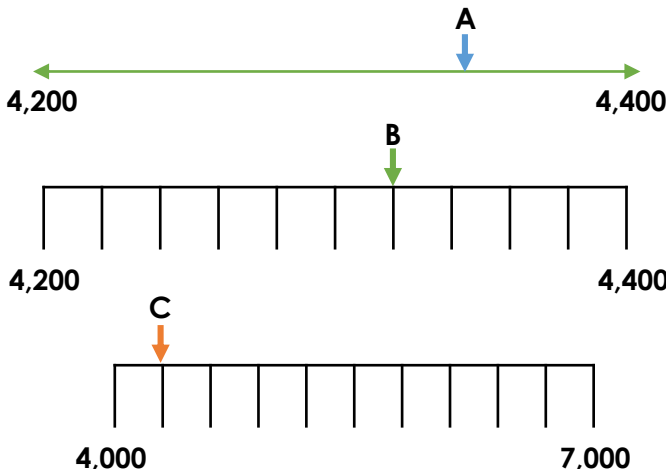## 7a. Circle the letter that represents 5,470.

A   B   C   D

5,400   5,600

E   VF

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

A   B   C   D

2,300   2,600

E   VF

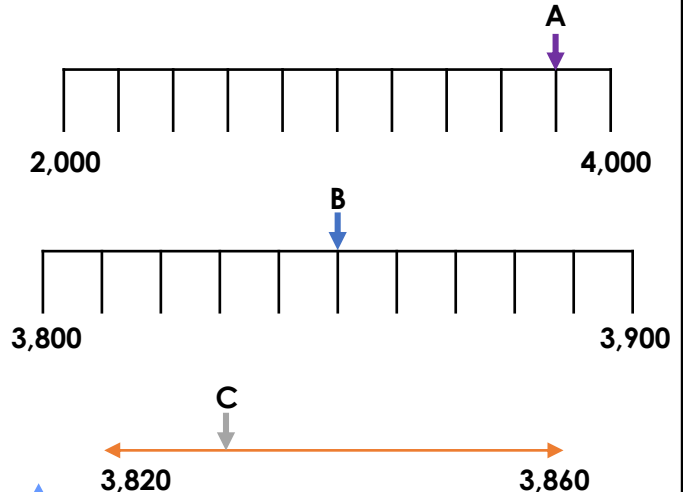## 8a. Which letter represents each number on the number lines below?

| 4,320 is ___ | 4,300 is ___ | 4,350 is ___ |

A

4,200   4,400

B

4,200   4,400

C

4,000   7,000

E   VF

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

| 3,800 is ___ | 3,830 is ___ | 3,850 is ___ |

A

2,000   4,000

B

3,800   3,900

C

3,820   3,860

E   VF

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Varied Fluency – Number Line to 10,000 – Year 4 Expected

Number Line to 10,000 | Number Line to 10,000

9a. Label the midpoint of these numbers.

7,370   7,400

GD   VF

9b. Label the midpoint of these numbers.

4,170   4,180
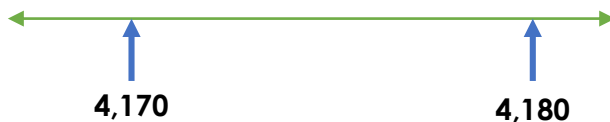
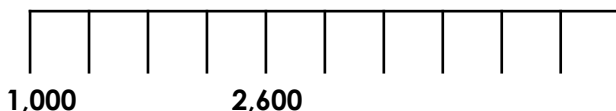GD   VF

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

7,200   9,000
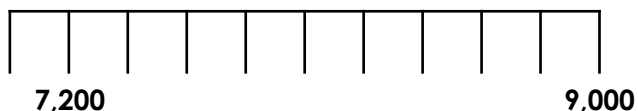
GD   VF

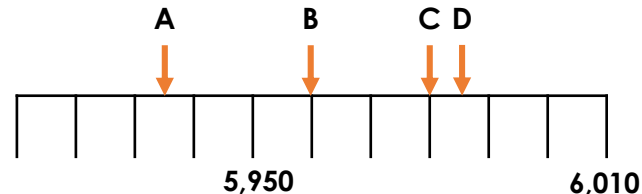**10b.** Draw a cross to represent the number 3,200 on this number line.

1,000   2,600

GD   VF

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

A   B   C D

8,440   8,540
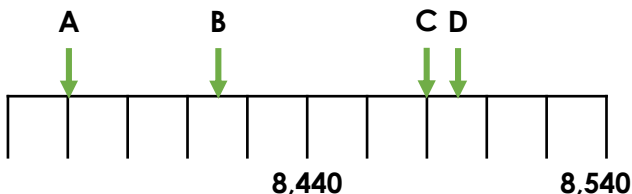
GD   VF

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

A   B   C D

5,950   6,010

GD   VF

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

| 3,265 is ___ | 3,180 is ___ | 3,200 is ___ |

A

3,120   3,200

B

2,000   5,200

C

3,415   3,455
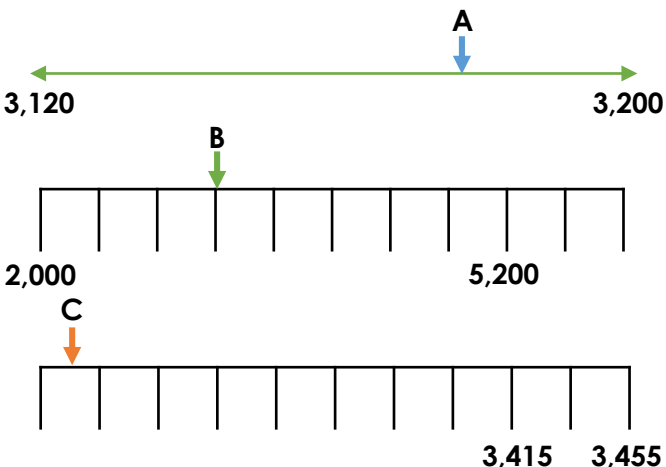
GD   VF

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

| 8,355 is ___ | 8,500 is ___ | 8,400 is ___ |

A

8,340   8,520

B

7,800   9,000

C

8,100   8,500

GD   VF

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Varied Fluency – Number Line to 10,000 – Year 4 Greater Depth
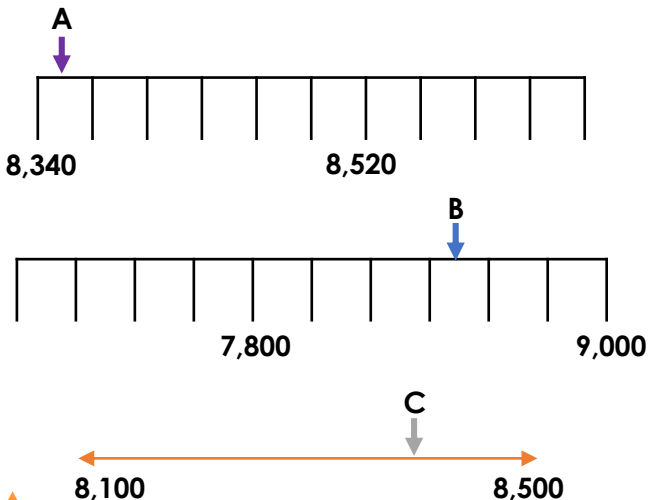
Varied Fluency
Number Line to 10,000

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 4th and 5th 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 5th and 6th interval)
11b. D
12b. 8,355 – A; 8,500 – B; 8,400 – C

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Varied Fluency – Number Line to 10,000 ANSWERS