

## California Content Standards — Grade 6

- 1.0 Students compare and order positive and negative fractions, decimals, and mixed numbers. Students solve problems involving fractions, ratios, proportions, and percentages:
- 1.1 Compare and order positive and negative fractions, decimals, and mixed numbers and place them on a number line.

### Making and Using a Number Line

On the next page is a blank number line, followed by many positive and negative values.

First, look at the values listed, and decide which values represent the largest negative value and the largest positive values.

Second, using the information about the largest positive and negative values, label your number line. Use whole numbers, including zero, and mark a point to represent every whole number between the two values you identified. You will also need to include the whole numbers above the values you identified. For example, if the list had as its largest values  $-4.3$  and  $5.2$ , you would need to label your number line with every whole number between and including  $-5$  and  $6$  (e.g.,  $-5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, 6$ ). Be sure that the intervals between your points are the same length.

Third, place all the values from the list in the correct place on your number line. They need to be in the correct order and in the correct place on your number line.

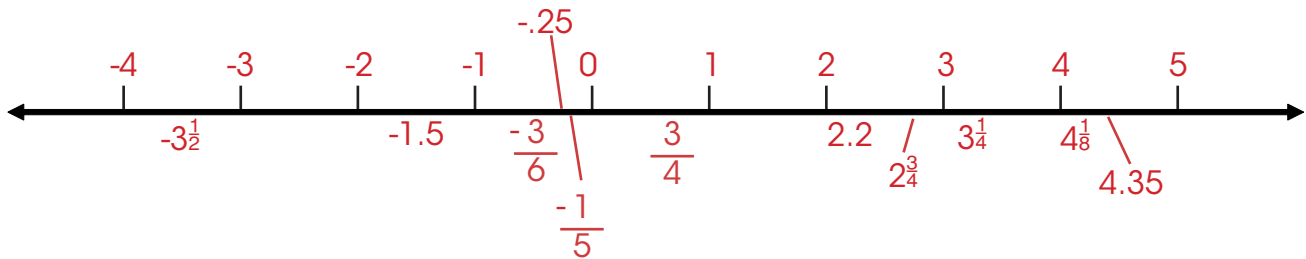
Fourth, compare your number line with a friend. Did you label the number line similarly? Did you place the values in the same place?

## California Content Standards — Grade 6

### Number Sense

- 1.0 Students compare and order positive and negative fractions, decimals, and mixed numbers. Students solve problems involving fractions, ratios, proportions, and percentages:
- 1.1 Compare and order positive and negative fractions, decimals, and mixed numbers and place them on a number line.

### Making and Using a Number Line



$-1.5$	$-3\frac{1}{2}$	$4.35$
$2\frac{3}{4}$	$-1$	$2.2$
$-\frac{1}{5}$	$-\frac{3}{6}$	$3\frac{1}{4}$
$\frac{3}{4}$	$4\frac{1}{8}$	$-0.25$