



## Number Sense

### ● Check Understanding

No; Possible explanation:  $-132$  is to the left of  $-112$  on a horizontal number line, so  $-132 < -112$ .

#### RECORDING SHEET

Student numbers and comparisons will vary with the numbers rolled. Students should show an understanding of comparing negative numbers.

### ●● Check Understanding

No; Possible explanation:  $-13.25$  is to the left of  $-11.25$  on a horizontal number line, so  $-13.25 < -11.25$ .

#### RECORDING SHEET

Student numbers and comparisons will vary with the numbers rolled. Students should show an understanding of comparing negative numbers.

### ●●● Check Understanding

No; Possible explanation: On a horizontal number line,  $-130.7$  is farthest to the left,  $-130.17$  is farthest to the right, and  $-130.25$  is between the other two numbers. So, the correct order from least to greatest is  $-130.7, -130.25, -130.17$ .

#### RECORDING SHEET

Student numbers and comparisons will vary with the numbers rolled. Students should show an understanding of comparing negative numbers.



## Absolute Value Puzzler

### ● Check Understanding

$$|-8| > |-3|$$

#### RECORDING SHEET

Answers will vary with the numbers selected.

Possible answers:

Row 1:  $|-4| > |-3|$

Row 2:  $|-5| = |5|$

Row 3:  $|1| < |6|$

Row 4:  $|-2| < 3$

Row 5:  $4 < |-6|$

### ●● Check Understanding

$|-8| > |-3|$ ; Possible explanation:  $|-8|$  is greater than  $|-3|$  because the distance from 8 to 0 on a number line is greater than the distance from 3 to 0.

#### RECORDING SHEET

Answers will vary with the numbers selected.

Possible answers:

Row 1:  $|-4| > |-3|$

Row 2:  $|-5| = |5|$

Row 3:  $|1| < |6|$

Row 4:  $-6 < -1$  and  $|-6| > |-1|$

Row 5:  $4 > -5$  and  $|4| < |-5|$

Row 6:  $-2 < 3$  and  $|-2| < |3|$

### ●●● Check Understanding

$|8.2| < |-8.5|$ ; Possible explanation:  $|8.2|$  is less than  $|-8.5|$  because the distance from 8.2 to 0 on a number line is less than the distance from 8.5 to 0.

#### RECORDING SHEET

Answers will vary with the numbers selected.

Possible answers:

Row 1:  $|-4\frac{1}{3}| > |-3|$

Row 2:  $|-5| = |5|$

Row 3:  $|1| < |6|$

Row 4:  $-6 < -1$  and  $|-6| > |-1|$

Row 5:  $4 > -5.1$  and  $|4| < |-5.1|$

Row 6:  $-2.5 < 3$  and  $|-2.5| < |3|$