

## PARCC Assessment Sample Problem

### Grade 6 (Part one of four)

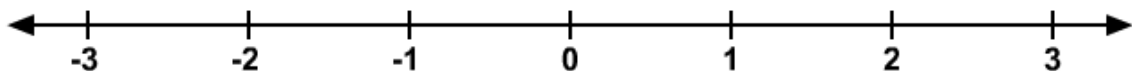
The Tasty Treats Cake Factory bakes cakes to sell for a grocery chain. Each cake is weighed to see how close it is to the factory's target weight of 30 ounces. The scale shows how close the cake's weight is to the target. The scale will display:

- A positive number if the cake's weight is over 30 ounces.
- A negative number if the weight is less than 30 ounces.



On Monday, 3 cakes are weighed. The readings for the cakes are -2.1 ounces, -2.9 ounces, and 1.2 ounces.

Drag the numbered dots to record the location of the readings on the number line. Once you have placed the dots, click Submit Answer.



Submit Answer

## PARCC Assessment Sample Problem

### Grade 6 (Part two of four)

The Tasty Treats Cake Factory bakes cakes to sell for a grocery chain. Each cake is weighed to see how close it is to the factory's target weight of 30 ounces. The scale shows how close the cake's weight is to the target. The scale will display:

- A positive number if the cake's weight is over 30 ounces.
- A negative number if the weight is less than 30 ounces.



The table shows two readings from the scale on Tuesday.

Cake	Reading
F	-5 oz.
G	-3 oz.

Which of the following statements is true?

- Cake F weighs less than Cake G because  $-5 < -3$ .
- Cake F weighs more than Cake G because  $-5 < -3$ .
- Cake F weighs less than Cake G because  $-3 < -5$ .
- Cake F weighs more than Cake G because  $-3 < -5$ .

Submit Answer

## PARCC Assessment Sample Problem

### Grade 6 (Part three of four)

The Tasty Treats Cake Factory bakes cakes to sell for a grocery chain. Each cake is weighed to see how close it is to the factory's target weight of 30 ounces. The scale shows how close the cake's weight is to the target. The scale will display:

- A positive number if the cake's weight is over 30 ounces.
- A negative number if the weight is less than 30 ounces.



On Wednesday, the factory records the weights of 5 cakes. The reading with the largest absolute value belongs to:

- The cake that weighs the least.
- The cake that weighs the most.
- The cake that is closest to the target weight.
- The cake that is furthest from the target weight.

Submit Answer

## PARCC Assessment Sample Problem

### Grade 6 (Part four of four)

The Tasty Treats Cake Factory bakes cakes to sell for a grocery chain. Each cake is weighed to see how close it is to the factory's target weight of 30 ounces. The scale shows how close the cake's weight is to the target. The scale will display:

- A positive number if the cake's weight is over 30 ounces.
- A negative number if the weight is less than 30 ounces.



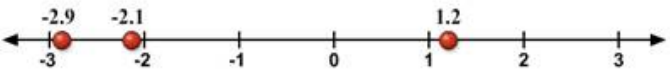
The scale is set to reject any cake that is more than 3 ounces from the target weight of 30 ounces. Which of the cakes would be rejected? Select all that apply.

- |  |  |
|--|--|
| <input type="checkbox"/> A cake with a reading of -1.2 oz. | <input type="checkbox"/> A cake with a reading of -5.3 oz. |
| <input type="checkbox"/> A cake with a reading of 2.7 oz.  | <input type="checkbox"/> A cake with a reading of 3.1 oz.  |

Submit Answer

## Cake weighing (grade 6)

◀ About the task CCSSM Alignment Part a Part b Part c Part d Scoring ▶

Part	Solution	Points	Maximum points possible
a	<p>Student drags <i>all three</i> numbers to the number line correctly.</p> 	1	1
b	<p>Student selects the correct answer:</p> <ul style="list-style-type: none"> <li>• Cake F weighs less than Cake G because <math>-5 &lt; -3</math>.</li> </ul>	1	1
c	<p>Student selects the correct answer:</p> <ul style="list-style-type: none"> <li>• The cake that is furthest from the target weight.</li> </ul>	1	1
d	<p>Student selects the two correct answer choices and does not select any incorrect answer choices:</p> <ul style="list-style-type: none"> <li>• A cake with a reading of <math>-5.3</math> oz.</li> <li>• A cake with a reading of <math>3.1</math> oz</li> </ul>	1	1
	<b>Total points possible</b>		<b>4</b>