## Smarter Balanced Assessment Consortium:

Mathematics Practice Test Scoring Guide Grade 7 Braille Version

08/14/2019

## Grade 7 Mathematics

## About the Practice Test Scoring Guides

The Smarter Balanced Mathematics Practice Test Scoring Guides provide details about the items, student response types, correct responses, and related scoring considerations for the Smarter Balanced Practice Test items. The items selected for the Practice Test are designed to reflect

- a broad coverage of claims and targets that closely mirror the summative blueprint.
- a range of student response types.
- a breadth of difficulty levels across the items, ranging from easier to more difficult items.

It is important to note that all student response types are not fully represented on every practice test, but a distribution can be observed across all the practice tests. The items presented are reflective of refinements and adjustments to language based on pilot test results and expert recommendations from both content and accessibility perspectives.
Within this guide, each item is presented with the following information ${ }^{1}$ :

- Claim: statement derived from evidence about college and career readiness
- Domain: a broad content area that contains related targets and standards (i.e., Geometry)
- Target: statement that bridges the content standards and the assessment evidence that supports the claim
- Depth of Knowledge (DOK): measure of complexity considering the student's cognitive process in response to an item. There are four DOK levels, a 4 being the highest level.
- Common Core State Standards for Mathematical Content (CCSS-MC)
- Common Core State Standards for Mathematical Practice (CCSS-MP)
- Static presentation of the item: static presentation of item from test administration system
- Static presentation of student response field(s): static presentation of response field from test administration system
- Answer key or exemplar: expected student response or example response from score point value
- Rubric and applicable score points for each item: score point representations for student responses

The following items are representative of the kinds of items that students can expect to experience when taking the Computer Adaptive Test (CAT) portion of the summative assessment for grade7. A separate document is available that provides a grade 7 sample performance task and scoring guide.

[^0]
## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | CCSS-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\# 1$ | 1 | SP | G | 1 | 7.SP.A.1 | N/A |

A principal wants to know if students at a particular high school are in favor of a new dress code at their school. The principal is not able to ask the opinion of every student at the school, so she needs to select an appropriate sample of the students to represent the high school.

Select which sample of students the principal should choose.
(A) Students randomly selected from a list of all students at the school.
(B) Students sitting at randomly selected tables in the library.
(C) Students she selects from the hallway between classes.
(D) Students selected by the teachers.

## Key: A

Rubric: (1 point) The student selects an appropriate sample.

| Item | Claim | Domain | Target | DOK | CCSS-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \#2 | 1 | EE | D | 1 | 7.EE.B.3 | N/A |

Enter the value of $5 \cdot(13.5-4.5)$.


Key: 45
Rubric: (1 point) The student enters the correct value.

| Item | Claim | Domain | Target | DOK | coss-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \#3 | 1 | NS | B | 1 | 7.NS.A.1d | N/A |

The number line shows record low temperatures for four states.


Enter the difference, in degrees, between the record low temperatures in Hawaii and South Dakota.
$\square$

Key: 70
Rubric: (1 point) The student enters the difference between the temperatures.

# Grade 7 Mathematics 

| Item | Claim | Domain | Target | DOK | CCSS-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\# 4$ | 1 | EE | C | 1 | 7.EE.A.1 | 7 |

Select the expression equivalent to $(4 x+3)+(-2 x+4)$.
(A) $-2 x+12$
(B) $-8 x+12$
(c) $6 x+7$
(D) $2 x+7$

Key: D
Rubric: (1 point) The student selects the equivalent expression.

# Grade 7 Mathematics 

| Item | Claim | Domain | Target | DOK | CCSS-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \#5 | 1 | EE | C | 2 | 7.EE.A.1 | 7 |

> Select all expressions that are equivalent to
> $-3.75+2(-4 x+6.1)-3.25 x$
$\square 7 x-2 x+8.1$
$\square 8.45-8 x-3.25 x$
$\square-1.75-7.25 x+6.1$
$\square-11.25 x+12.2-3.75$

Exemplar: (shown at right)
Rubric: (1 point) The student selects both equivalent expressions.

$$
\begin{aligned}
& \square 7 x-2 x+8.1 \\
& \nabla 8.45-8 x-3.25 x \\
& \square-1.75-7.25 x+6.1 \\
& \square-11.25 x+12.2-3.75
\end{aligned}
$$

| Item | Claim | Domain | Target | DOK | CCSS-MC | cCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \#6 | 1 | NS | B | 1 | 7.NS.A.2d | N/A |

## Enter the decimal equivalent of $\frac{11}{8}$.



Key: 1.375
Rubric: (1 point) The student enters the decimal equivalent.

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | CCSS-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\# 7$ | 1 | EE | C | 1 | 7.EE.A.1 | N/A |

Enter the value of $c$ when the expression $21.2 x+c$ is equivalent to $5.3(4 x-2.6)$.


Key: -13.78
Rubric: (1 point) The student enters the correct value.

| Item | Claim | Domain | Target | DOK | CCSS-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \#8 | 1 | NS | B | 1 | 7.NS.A.2 | N/A |

Select all values equivalent to $-\frac{10}{7}$.

$$
\begin{array}{r}
\square \\
-3 \frac{-10}{-7} \\
\square \\
-1 \frac{3}{7} \\
-\frac{-10}{-7} \\
\square
\end{array}
$$

Exemplar: (shown at right)
Rubric: (1 point) The student selects the equivalent values.
$\square \frac{-10}{-7}$
$\square \quad-3 \frac{1}{7}$
$\square \quad 1 \frac{3}{7}$
v $-\frac{-10}{-7}$
$\nabla$
$-1 \frac{3}{7}$

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | CCSS-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \#9 | 1 | EE | D | 2 | 7.EE.B.4 | N/A |

Jenny has $\$ 25$ and she earns $\$ 10$ for each lawn that she mows. Jenny wants to buy a concert ticket that costs $\$ 65$.

Enter the minimum number of lawns Jenny needs to mow to be able to buy the concert ticket.


Key: 4
Rubric: (1 point) The student enters the minimum number of lawns.

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | cCSS-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\# 10$ | 1 | RP | A | 2 | 7.RP.A.1 | N/A |

This table shows a proportional relationship between the grams of peanuts and raisins in a bag of trail mix.

| Grams of <br> Peanuts | Grams of <br> Raisins |
| :---: | :---: |
| 14 | 4 |
| 21 | 6 |
| 35 | 10 |

Enter the number of grams of peanuts in a bag for every 1 gram of raisins.


Key: 3.5 or equivalent
Rubric: (1 point) The student enters the number of grams of peanuts.

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | CcsS-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \#11 | 1 | SP | I | 1 | 7.SP.C.5 | N/A |

A bag contains 16 marbles. There are 5 blue, 9 yellow, and 2 red marbles. One marble is selected at random.

Determine whether each statement correctly describes the likelihood of an event based on the given bag of marbles. Select True or False for each statement.

| It is impossible that a green marble will be selected. | True | False |
| :--- | :---: | :---: |
| It is unlikely that a yellow marble will be selected. | $\square$ | $\square$ |
| It is certain that a blue marble will be selected. | $\square$ | $\square$ |
| It is unlikely that a red marble will be selected. | $\square$ | $\square$ |

Key: T, F, F, T
Rubric: (1 point) The student correctly identifies the statements as true or false.

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | CCSS-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\# 12$ | 2 | EE | C | 2 | 7.EE.B. 4 | 2 |

David goes into a candy store with $\$ 5.00$. He buys 9 peppermints for $\$ 0.15$ each, and some sour candies. Each sour candy costs $\$ 0.25$.

Enter the maximum number of sour candies David can buy.


Key: 14
Rubric: (1 point) The student enters the maximum number of candies David can buy.

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | CcSS-MC | Ccss-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \#13 | 1 | RP | A | 2 | 7.RP.A.3 | N/A |

Sara buys a sweater at a department store. The sweater costs \$30. The store is having a $25 \%$ off sale on everything in the store.

Enter the amount of money, in dollars, Sara saves from the sale. Do not consider the sales tax.
$\square$

Key: 7.50 or equivalent
Rubric: (1 point) The student enters the correct number of dollars.

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | CCSS-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \#14 | 3 | RP | A | 2 | 7.RP.A.2 | 3 |

An electrician is hired to install outdoor lighting. The electrician claims that the relationship between the number of hours worked and the total work fee is proportional. The fee for 5 hours of work is $\$ 225$.

Select all combinations of values for the electrician's work hours and total work fee that support the claim that the relationship between the two values is proportional.6 hours and \$2706.5 hours and $\$ 315$8 hours and \$3608.75 hours and $\$ 380$9.5 hours and $\$ 427.50$

Exemplar: (shown below)

- 6 hours and $\$ 270$6.5 hours and $\$ 315$
$\square$
8 hours and \$3608.75 hours and $\$ 380$9.5 hours and $\$ 427.50$

Rubric: (1 point) The student selects all three correct combinations.

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | Ccss-MC | Ccss-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \#15 | 1 | G | E | 2 | 7.G.A.1 | N/A |

Figure $A$ is a scale image of Figure $B$, as shown.


Figure A
The scale that maps Figure $A$ onto Figure $B$ is $1: 7 \frac{1}{4}$.
Enter the value of $x$.


Exemplar: 21.75 or $213 / 4$
Rubric: (1 point) The student enters the value of $x$.

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | CCSS-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \#16 | 3 | EE | E | 2 | 7.EE.A.1 | 3,7 |

Lisa wrote the expression $(3+6 x)-2(x+1)+5$. She simplified the expression using the following steps:

Step 1: $3(1+x)-2(x+1)+5$
Step 2: $3(x+1)-2(x+1)+5$
Step 3: $(x+1)+5$
Step 4: $x+6$
Lisa says that $(3+6 x)-2(x+1)+5=x+6$. Lisa's statement is incorrect.
In which step did Lisa first make a mistake, and what is a correct expression for that step?
(A) Step 1; $3(1+3 x)-2(x+1)+5$
(B) Step 1; $3(1+2 x)-2(x+1)+5$
(c) Step 3; $5(x+1)+5$
(D) Step 3; $6(x+1)+5$

Key: B
Rubric: (1 point) The student selects the correct step and expression.

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | ccss-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\# 17$ | 1 | RP | A | 2 | 7.RP.A.2 | N/A |

This graph shows a proportional relationship between the number of hours a factory is in operation and the number of gallons of water used.

Factory Water Use


Select True or False for each statement about the graph.

| The factory uses 4 gallons of water when it is in operation <br> for 4000 hours. | $\square$ | True |
| :--- | :---: | :---: |
| Point $W$ represents the number of gallons of water used <br> when the factory is in operation for 7 hours. | $\square$ | $\square$ |
| The factory uses 9000 gallons of water when it is in <br> operation for 9 hours. | $\square$ | $\square$ |

Key: F, T, T
Rubric: (1 point) The student correctly identifies the statements as true and false.

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | ccss-MC | Ccss-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\# 18$ | 1 | G | F | 2 | 7.G.B.6 | N/A |

The figure shown is created by joining two rectangles.


Enter the area, in square inches, of the figure.


Key: 1375
Rubric: (1 point) The student enters the area of the figure.

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | CCSS-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \#19 | 3 | RP | C | 2 | 7.RP.A.3, <br> 6.RP.A.3 | 1,2 |

Alfonso went to Famous Sam's Appliance Store and purchased a refrigerator and a stove. The sale price of the refrigerator was $40 \%$ off the original price and the sale price of the stove was $20 \%$ off the original price.

Which statement must be true to conclude that Alfonso received a $30 \%$ overall discount on the refrigerator and the stove together?
(A) The sale prices of the refrigerator and the stove were the same.
(B) The original prices of the refrigerator and the stove were the same.
(c) The sale price of the refrigerator was twice the sale price of the stove.
(D) The original price of the refrigerator was twice the original price of the stove.

Key: B
Rubric: (1 point) The student selects the correct statement.

| Item | Claim | Domain | Target | DOK | CCSS-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \#20 | 1 | RP | A | 2 | 7.RP.A.2 | N/A |

Select all tables that represent a proportional relationship between $x$ and $y$.
$\square$

| $\boldsymbol{x}$ | 0 | $\frac{1}{5}$ | $\frac{2}{5}$ | $\frac{3}{5}$ |
| :---: | :---: | :---: | :---: | :---: |
| $\boldsymbol{y}$ | 0 | $\frac{1}{10}$ | $\frac{2}{10}$ | $\frac{3}{10}$ |


| $\boldsymbol{x}$ | 0 | $\frac{1}{2}$ | $\frac{1}{3}$ | $\frac{1}{4}$ |
| :---: | :---: | :---: | :---: | :---: |
| $\boldsymbol{y}$ | 0 | $\frac{1}{3}$ | $\frac{1}{4}$ | $\frac{1}{5}$ |

$\square$

| $x$ | 0 | 1 | 3 | 5 |
| :---: | :---: | :---: | :---: | :---: |
| $y$ | 0 | 1 | 9 | 25 |


| $x$ | 0 | 1 | 3 | 4 |
| :---: | :---: | :---: | :---: | :---: |
| $y$ | 0 | 5 | 15 | 20 |

Exemplar: (shown at right)
Rubric: (1 point) The student selects the tables that represent the given relationship.
$\nabla$

| $x$ | 0 | $\frac{1}{5}$ | $\frac{2}{5}$ | $\frac{3}{5}$ |
| :---: | :---: | :---: | :---: | :---: |
| $\boldsymbol{y}$ | 0 | $\frac{1}{10}$ | $\frac{2}{10}$ | $\frac{3}{10}$ |

$\square$

| $\boldsymbol{x}$ | 0 | $\frac{1}{2}$ | $\frac{1}{3}$ | $\frac{1}{4}$ |
| :---: | :---: | :---: | :---: | :---: |
| $\boldsymbol{y}$ | 0 | $\frac{1}{3}$ | $\frac{1}{4}$ | $\frac{1}{5}$ |

$\square$

| $\boldsymbol{x}$ | 0 | 1 | 3 | 5 |
| :---: | :---: | :---: | :---: | :---: |
| $\boldsymbol{y}$ | 0 | 1 | 9 | 25 |

■

| $\boldsymbol{x}$ | 0 | 1 | 3 | 4 |
| :---: | :---: | :---: | :---: | :---: |
| $\boldsymbol{y}$ | 0 | 5 | 15 | 20 |

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | CCSS-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \#21 | 1 | G | F | 2 | 7.G.B.4 | N/A |

The circumference of a circle is approximately 37.7 centimeters.
Enter the radius of the circle, in centimeters. Round your answer to the nearest whole number.


Key: 6
Rubric: (1 point) The student enters the radius of the circle.

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | CCSS-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \#22 | 3 | NS | A | 2 | 6.NS.C.7 | 2,3 |

Maria claims that any fraction located between $\frac{1}{5}$ and $\frac{1}{7}$ on a number line must have a denominator of 6 .

Enter a fraction that shows Maria's claim is incorrect.


Key: $6 / 35,13 / 70$, or any fraction between $1 / 7$ and $1 / 5$
Rubric: (1 point) The student enters a fraction between $1 / 5$ and $1 / 7$ that does not have a denominator of 6 .

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | ccss-MC | ccsS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\# 23$ | 4 | $G$ | D | 2 | $7 . G . B .6$ | $1,4,7$ |

A company makes two sizes of boxes shaped like rectangular prisms. The large box is 16 inches tall, 10 inches wide, and 10 inches long. The drawing shows the dimensions of the small box.


## Part A

What is the maximum number of small boxes that can fit inside the large box?

## Part B

The company plans to increase the width and length of the large box by 4 inches each to create a new larger box. How many more of the small boxes will be able to fit inside this new larger box compared to the original large box?

## Grade 7 Mathematics



Key: Part A: 100
Part B: 96
Rubric: (2 points) The student enters the correct value for Part A AND Part B.
(1 point) The student enters the correct value for Part A OR Part B.

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | ccss-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\# 24$ | 2 | RP | A | 2 | 7.RP.A.3 | 1,7 |

Lenny bought a motorcycle. He paid $12.5 \%$ in tax. The tax added $\$ 1437.50$ to the price of the motorcycle.

What was the price of the motorcycle, not including the tax?
$\square$

Key: 11,500
Rubric: (1 point) The student enters the correct price.

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | CCSS-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\# 25$ | 4 | RP | F | 3 | 7.RP.A. 3 | $2,5,7$ |

These two maps show the same area at two different scales.

- Columbus is not on Map A.
- Map B does not have a scale written on it.
- Riverside and Gladville are 6.8 cm apart on Map A.
- Riverside and Gladville are 3.4 cm apart on Map B.
- Gladville and Columbus are 1.8 cm apart on Map B.


Determine the straight line distance, in miles, from Gladville to Columbus.


Key: 144
Rubric: (1 point) The student enters the correct distance.

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | CCSS-MC | Ccss-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \#26 | 2 | G | A | 2 | 7.G.B.6 | 1,7 |

Johnny uses a wheelbarrow to move planting soil to a delivery truck. The volume of planting soil that fits in the wheelbarrow measures 2 feet by 3 feet by 1.5 feet. The delivery truck measures 11 feet by 8 feet and is 6 feet tall. Johnny puts planting soil in the delivery truck until the truck is $70 \%$ full.

What is the minimum number of times Johnny needs to use the wheelbarrow until the delivery truck is $70 \%$ full?
$\square$

Key: 42
Rubric: (1 point) The student enters the minimum number of times Johnny needs to use the wheelbarrow.

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | cCSS-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\# 27$ | 1 | RP | A | 2 | 7.RP.A.2 | N/A |

This graph shows a proportional relationship between the number of gallons of gasoline used $(g)$ and the total cost of gasoline $(c)$.


Find the constant of proportionality ( $r$ ). Using the value for $r$, enter an equation in the form of $c=r g$ that represents the relationship between the number of gallons of gasoline used $(g)$ and the total cost $(c)$.

|  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 2 |  |  | c | $g$ |  |  |  |  |
| 4 | 5 |  |  | + | - | * | $\div$ |  |  |
| 7 | 8 |  |  |  | $\leq$ | $=$ | $\geq$ | $>$ |  |
| 0 |  |  |  | 吅 | $\square$ |  |  |  | $\pi$ |

Key: $c=(10 / 3)$ g or equivalent
Rubric: (1 point) The student enters a correct equation.

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | ccss-MC | ccss-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \#28 | 3 | RP | D | 3 | 6. RP.A.3 | 7 |

When playing basketball, Jan makes 4 out of every 10 shots she takes.
Select all the statements that describe Jan's situation.

The ratio of the number of shots Jan makes to the number of shots she takes is 2:5.
$\square$ The ratio of the number of shots Jan makes to the number of shots she does not make is $2: 3$.
$\square$ The equation $4 x=10 y$ shows the relationship between $x$, the number of shots Jan makes, and $y$, the number of shots she takes.
$\square$ The equation $6 x=4 z$ shows the relationship between $x$, the number of shots Jan makes, and $z$, the number of shots she does not make.

Exemplar: (shown below)
$\downarrow$ The ratio of the number of shots Jan makes to the number of shots she takes is 2:5.
$\downarrow$ The ratio of the number of shots Jan makes to the number of shots she does not make is $2: 3$.
$\square$ The equation $4 x=10 y$ shows the relationship between $x$, the number of shots Jan makes, and $y_{r}$ the number of shots she takes.
$\nabla$ The equation $6 x=4 z$ shows the relationship between $x_{1}$ the number of shots Jan makes, and $z_{r}$ the number of shots she does not make.

Rubric: (1 point) The student selects all three statements that describe the situation.

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | CCSS-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \#29 | 4 | EE | E | 3 | 7.EE.B.4 | 1,4 |

Mary and Jerry are exercising on a track.

- Mary is walking at a rate of 3 miles per hour.
- Jerry starts jogging at a rate of 4 miles per hour after Mary has been walking for 15 minutes.
- Jerry jogs 2 miles as Mary continues walking, and they both stop at the same time.

Enter the total distance, in miles, that Mary walks around the track.

|  |  |  |
| :--- | :--- | :--- |
|  | $\rightarrow$ | $\bullet$ |
| 1 | 2 | 3 |
| 4 | 5 | 6 |
| 7 | 8 | 9 |
| 0 | - | - |

Key: 2.25 or equivalent
Rubric: (1 point) The student enters the total distance.

## Grade 7 Mathematics

| Item | Claim | Domain | Target | DOK | CCSS-MC | CCSS-MP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\# 30$ | 1 | EE | D | 2 | 7.EE.B.4 | 4 |

Marcus has a pool that can hold a maximum of 4500 gallons of water. The pool already contains 1500 gallons of water. Marcus begins to add more water at a rate of 30 gallons per minute.

Enter an inequality that shows the number of minutes, $m$, Marcus can continue to add water to the pool without exceeding the maximum number of gallons.
$\square$

Key: $4500 \geq 1500+30 m$ or equivalent
Rubric: (1 point) The student enters a correct inequality.


[^0]:    ${ }^{1}$ Most of these terms (Claim, Domain, Target, DOK, etc.) are defined in various other Smarter Balanced documents, as well as the Common Core State Standards for Mathematics. Refer to the Content Specifications for the Summative Assessment of the Common Core State Standards for Mathematics for more information.

