

Azmeria Arizona's Statewide Achievement Assessment for English Language Arts and Mathematics

Computer-Based Sample Test Scoring Guide Grade 3 Math AzMERIT

Updated January, 2019

Prepared by the Arizona Department of Education and the American Institutes for Research®





About the Sample Test Scoring Guide

The AzMERIT Sample Test Scoring Guides provide details about the items, student response types, correct responses, and related scoring considerations for AzMERIT Sample Test items.

Within this guide, each item is presented with the following information:

- Item number
- Cluster
- Content Standard
- Depth of Knowledge (DOK)
- Static presentation of the item
- Static presentation of student response field (when appropriate)
- Answer key, rubric or exemplar
- Applicable score point(s) for each item

The items included in this guide are representative of the kinds of items that students can expect to experience when taking the computer-based test for AzMERIT Grade 3 Math.

Grade 3 Math Sample Test

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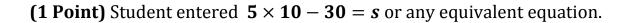
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Item Number	Cluster	Content Standard	DOK
1	3.OA.D	3.OA.D.8	3

Carla bought 5 packages of stickers with 10 stickers in each package. Carla gave 30 stickers to her friends. Create an equation to represent the number of stickers, *s*, that Carla has left. Use *s* in your equation. $5 \times 10 - 30 = s$



Item Number	Cluster	Content Standard	DOK
2	3.NBT.A	3.NBT.A.1	2

Se	Select all of the numbers that round to 710 when rounded to the nearest ten.				
	700				
	703				
	706				
	708				
	720				

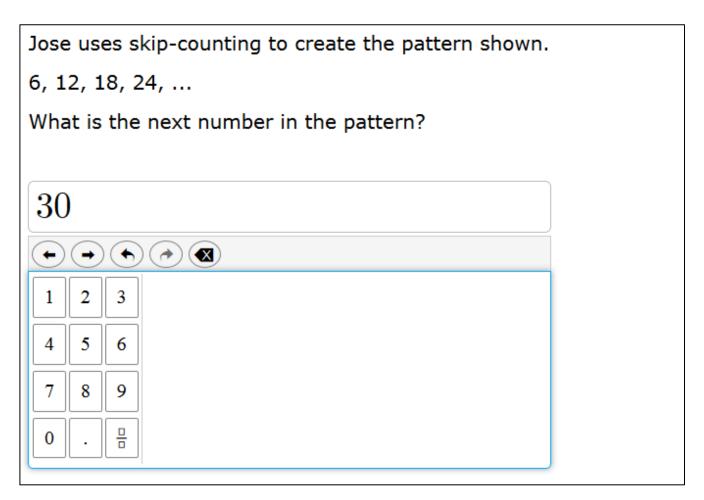
(1 Point) Student checked both correct options.

Item Number	Cluster	Content Standard	DOK
3	3.MD.A	3.MD.A.1a	2

Martin arrived at the library at 3:16 p.m. He left the library at 3:42 p.m. How many minutes did Martin spend at the library? 26 (\rightarrow) (\bigstar) + → 2 3 1 4 5 6 7 8 9 0

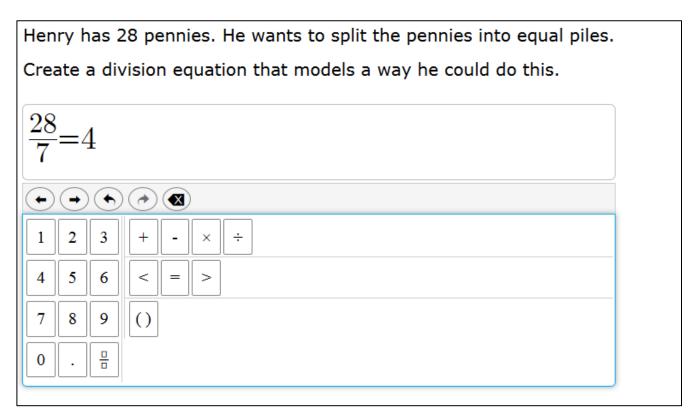
(1 Point) Student entered 26 or any equivalent value.

Item Number	Cluster	Content Standard	DOK
4	3.OA.D	3.OA.D.9	2



(1 Point) Student entered 30 or any equivalent value.

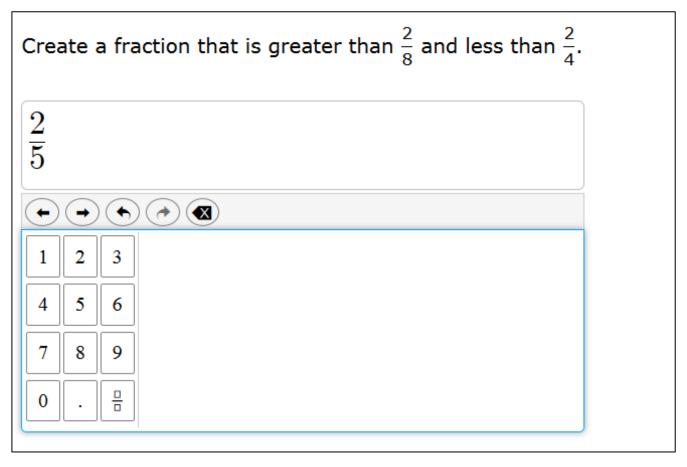
Item Number	Cluster	Content Standard	DOK
5	3.OA.A	3.OA.A.3	3



(1 point) Student entered $\frac{28}{7} = 4$ or any equation in the form $\frac{28}{a} = b$ or

 $b = \frac{28}{a}$, where *a* and *b* are positive integers.

Item Number	Cluster	Content Standard	DOK
6	3.NF.A	3.NF.A.3	3



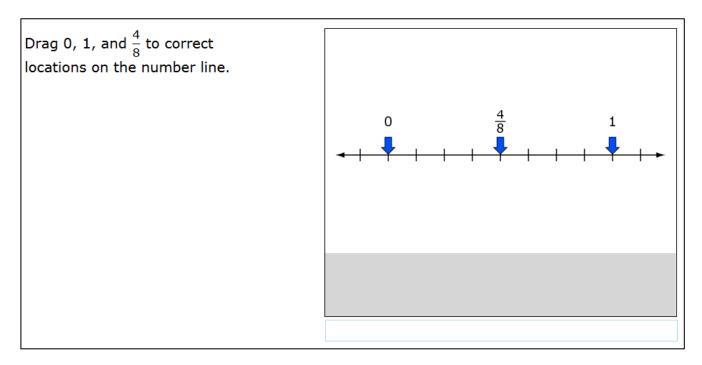
(1 point) Student entered $\frac{2}{5}$ or any fraction greater than $\frac{2}{8}$ and less than $\frac{2}{4}$.

Item Number	Cluster	Content Standard	DOK
7	3.OA.A	3.OA.A.4	2

An equation is shown. $\Box \div 8 = 4$ What is the missing number? 32()⇒) + 2 1 3 5 4 6 7 8 9 0

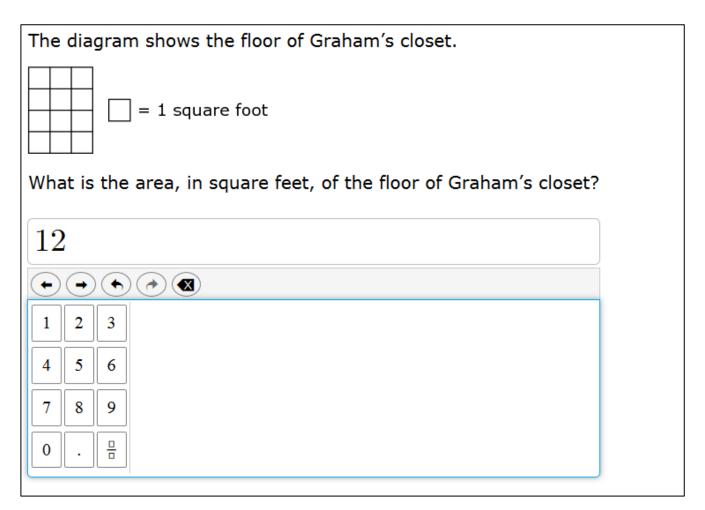
(1 Point) Student entered 32 or any equivalent value.

Item Number	Cluster	Content Standard	DOK
8	3.NF.A	3.NF.A.2	3



(1 point) Student created the correct number line.

Item Number	Cluster	Content Standard	DOK
9	3.MD.C	3.MD.C.6	2



(1 point) Student entered 12 or any equivalent value.

Item Number	Cluster	Content Standard	DOK
10	3.G.A	3.G.A.1	2

Two statements that describe a shape are shown.

- All of the sides have the same length.
- It is a quadrilateral.

Select all of the shapes for which both statements are always true.

- square
- hexagon
- rhombus
- rectangle
- equilateral triangle

(1 Point) Student selected the two correct options.

Item Number	Cluster	Content Standard	DOK
11	3.NBT.A	3.NBT.A.2	2

Enter a n	umber to	complet	e each equation.
9 –	3	= 6	
90 –	30	= 60	
900 –	300	= 600	

(1 point) Student entered three correct values.

Item Number	Cluster	Content Standard	DOK
12	3.OA.A	3.OA.A.3	2

Jacob has 18 DVDs and 3 shelves to put them on. He puts the same number of DVDs on each shelf.

How many DVDs are on each shelf?



(1 point) Student entered 6 or any equivalent value.

Item Number	Cluster	Content Standard	DOK
13	3.OA.A	3.OA.A.3	3

Tommy has 15 toy cars. He wants to put the toy cars into equal groups. He puts more than 1 car in each group.

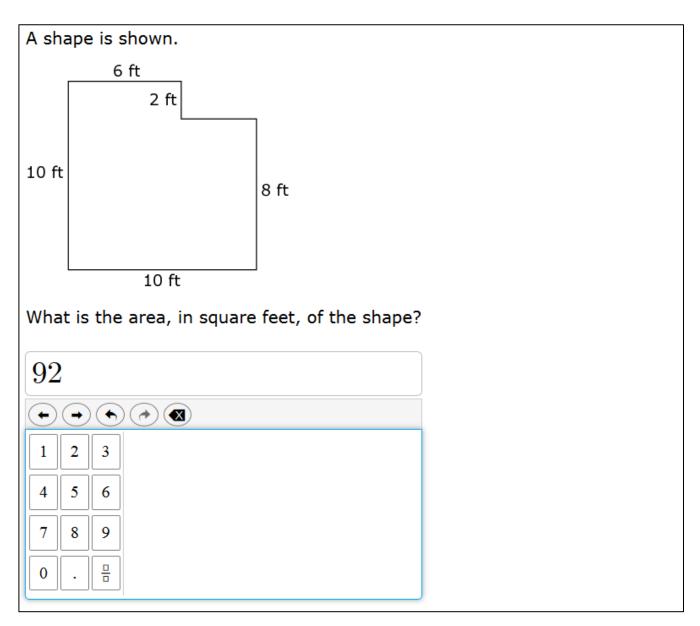
Create a multiplication or division equation that models the number of cars in each group.



(1 point) Student entered $\frac{15}{3} = 5$ or any equation in the form $\frac{15}{a} = b$ or

 $b = \frac{15}{a}$, where a and b are both positive integers.

Item Number	Cluster	Content Standard	DOK
14	3.MD.C	3.MD.C.7	3



(1 point) Student entered 92 or any equivalent value.

Item Number	Cluster	Content Standard	DOK
15	3.NF.A	3.NF.A.3	2

A comparison is shown. $\frac{1}{2} > \frac{1}{4}$ What whole number could be the missing denominator? $\mathbf{2}$ (>) (�) → + 2 1 3 4 5 6 7 8 9 0

(1 point) Student entered a value of 1, 2, or 3.

Item Number	Cluster	Content Standard	DOK
16	3.NBT.A	3.NBT.A.1	2

A student writes a number.

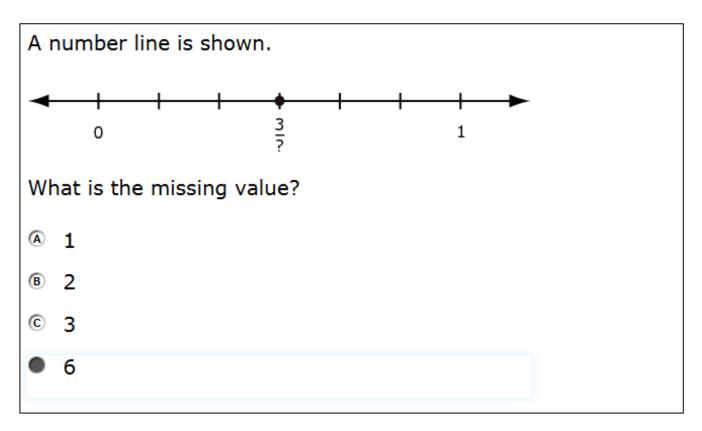
- The number is greater than 275.
- The number rounds to the same nearest ten as 275.

What is one possible value of the number?

276			
$\bullet \bullet \bullet$			
1 2 3			
4 5 6			
7 8 9			
0.			

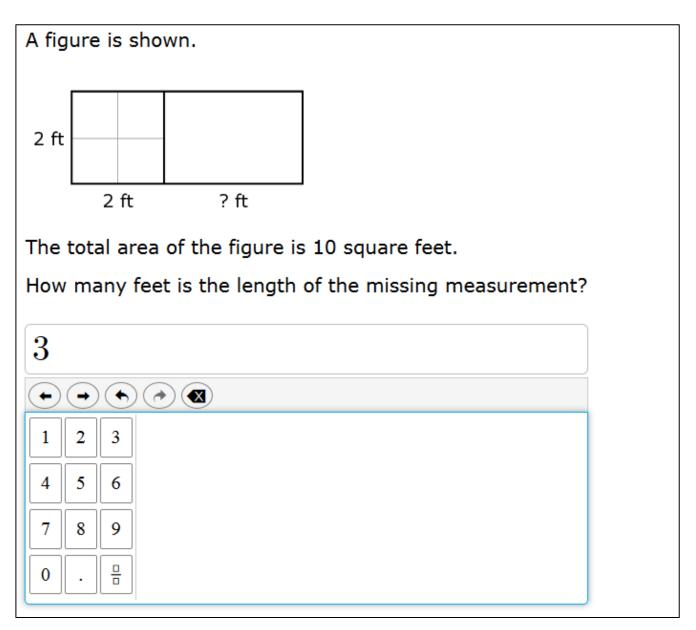
(1 point) Student entered 276 or any value greater than 275 and less than 285.

Item Number	Cluster	Content Standard	DOK
17	3.NF.A	3.NF.A.2	2



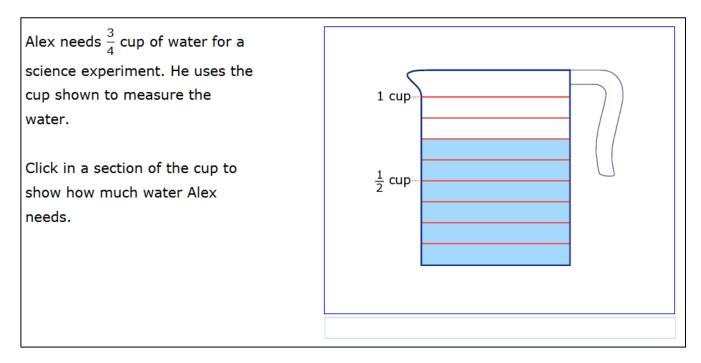
(1 Point) Student selected the correct option.

Item Number	Cluster	Content Standard	DOK
18	3.MD.C	3.MD.C.7	3



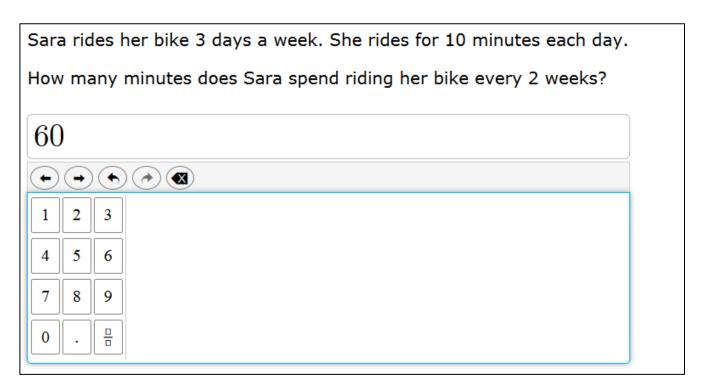
(1 point) Student entered 3 or any equivalent value.

Item Number	Cluster	Content Standard	DOK
19	3.NF.A	3.NF.A.3	2



(1 point) Student created the correct equivalent fraction.

Item Number	Cluster	Content Standard	DOK
20	3.OA.D	3.OA.D.8	2



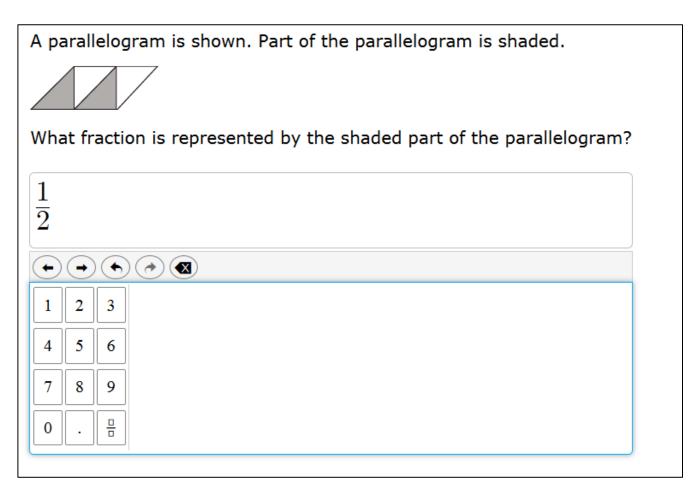
(1 point) Student entered 60 or any equivalent value.

Item Number	Cluster	Content Standard	DOK
21	3.MD.C	3.MD.C.5	1

Th	e shaded part of the figure shown has an area of 14 square units.			
	Image: Antipole of the sector of			
W	hat does a represent?			
•	one square unit			
B	Itwo square units			
C	© four square units			
fourteen square units				

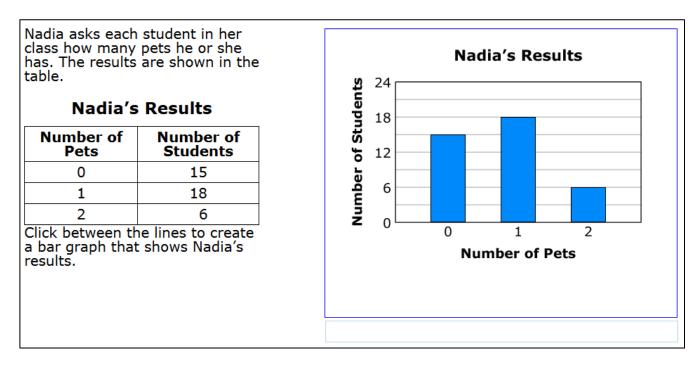
(1 Point) Student selected the correct option.

Item Number	Cluster Content Standard		DOK	
22	3.G.A	3.G.A.2	1	



(1 point) Student entered $\frac{1}{2}$ or $\frac{2}{4}$.

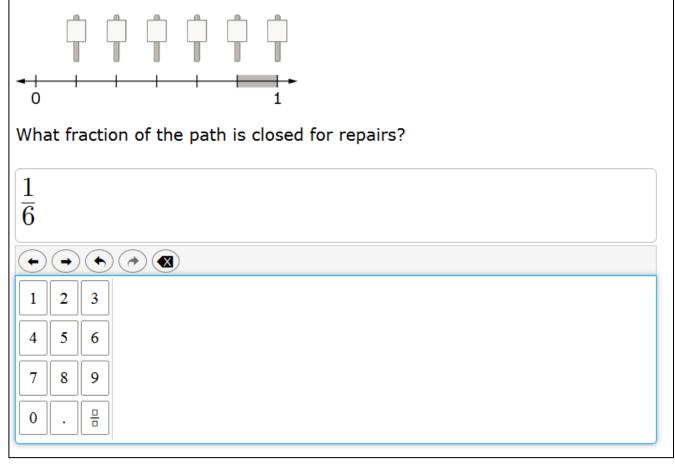
Item Number	Cluster	Content Standard	DOK
23	3.MD.B	3.MD.B.3	2



(1 point) Student created a correct graph.

Item Number	Cluster	Content Standard	DOK
24	3.NF.A	3.NF.A.2	2

There are 6 signs that are placed an equal distance from each other along a hiking path, as shown. The shaded portion represents a section of the path that is closed for repairs.



(1 point) Student entered $\frac{1}{6}$ or any equivalent fraction.

Item Number	Cluster Content Standard		DOK	
25	3.OA.A	3.OA.A.1	2	

Marty has 12 books that he wants to put on shelves in his room. He wants to put the same number of books on each shelf.

Complete the sentence to correctly show how Marty can arrange the books on shelves.

Marty can put 6	- books on each of	2 -	shelves.
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(1 point) Student selected 6 and 2 OR 3 and 4 from the dropdowns.