

STAAR Spring 2026 Grade 8 Mathematics Answer Key

Item Position	Item Type	TEKS Assessed	Maximum Number of Points	Correct Answer(s)	Reporting Category	Readiness or Supporting
1	Multiple Choice	8.4.5.D	1	A	4	Readiness
2	Hot Spot	8.1.2.B	1	4, 5 See Appendix 1.1	1	Supporting
3	Multiple Choice	8.3.3.C	1	A	3	Readiness
4	Multiple Choice	8.2.5.I	1	D	2	Readiness
5	Multiple Choice	8.3.7.C	1	B	3	Readiness
6	Multiple Choice	8.2.4.B	1	C	2	Readiness
7	Multiple Choice	8.3.7.A	1	D	3	Readiness
8	Drag and Drop	8.2.4.C	2	8, 4 See Appendix 1.2	2	Readiness
9	Multiple Choice	8.3.7.B	1	A	3	Readiness
10	Match Table Grid	8.2.5.H	2	Non-proportional, Proportional , Proportional , Non-proportional See Appendix 1.3	2	Supporting
11	Multiple Choice	8.4.12.D	1	B	4	Readiness
12	Multiple Choice	8.2.5.E	1	D	2	Supporting
13	Drag and Drop	8.1.2.D	1	1.8, $\sqrt{3}$, 167%, $\frac{3}{2}$ See Appendix 1.4	1	Readiness
14	Multiple Choice	8.2.8.C	1	B	2	Readiness

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15	Multiple Choice	8.4.12.C	1	C	4	Supporting
16	Multiselect	8.3.10.C	2	Second option, Fourth option See Appendix 1.5	3	Readiness
17	Multiple Choice	8.2.4.A	1	D	2	Supporting
18	Drag and Drop	8.1.2.C	2	6.7, 5 See Appendix 1.6	1	Supporting
19	Multiple Choice	8.2.5.G	1	C	2	Readiness
20	Multiple Choice	8.3.7.D	1	A	3	Supporting
21	Multiple Choice	8.2.8.B	1	D	2	Supporting
22	Equation Editor	8.3.7.A	1	45 or any equivalent value See Appendix 1.7	3	Readiness
23	Multiple Choice	8.2.5.I	1	C	2	Readiness
24	Multiple Choice	8.3.6.C	1	A	3	Supporting
25	Multiple Choice	8.2.4.C	1	C	2	Readiness
26	Multiple Choice	8.3.3.C	1	D	3	Readiness
27	Multiple Choice	8.3.7.C	1	A	3	Readiness
28	Multiple Choice	8.2.8.C	1	B	2	Readiness
29	Match Table Grid	8.3.10.B	2	Preserves Congruence , Preserves Congruence , Does Not Preserve Congruence , Preserves Congruence See Appendix 1.8	3	Supporting

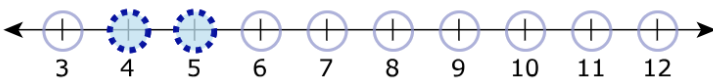
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30	Multiple Choice	8.2.9.A	1	A	2	Supporting
31	Inline Choice	8.4.12.D	2	\$210.00, \$217.44 See Appendix 1.9	4	Readiness
32	Multiple Choice	8.2.4.B	1	B	2	Readiness
33	Drag and Drop	8.3.6.A	2	2.25^2 , 10 See Appendix 1.10	3	Supporting
34	Multiple Choice	8.2.5.G	1	D	2	Readiness
35	Multiple Choice	8.4.11.B	1	B	4	Supporting
36	Multiple Choice	8.2.5.F	1	A	2	Supporting
37	Drag and Drop	8.4.5.D	2	7, 123 See Appendix 1.11	4	Readiness
38	Multiple Choice	8.3.7.B	1	D	3	Readiness
39	Multiple Choice	8.1.2.D	1	D	1	Readiness
40	Multiple Choice	8.3.10.C	1	C	3	Readiness

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Appendix****1.1**

The value of $\sqrt{21}$ is between which two consecutive numbers on the number line?

Select **TWO** locations on the number line to plot the points.

**1.2**

The table shows the linear relationship between time in minutes, x , and the volume in liters, y , of a chemical in a storage tank as the chemical is pumped into the tank at a constant rate.

Chemical in Tank

Time, x (minutes)	Volume of Chemical, y (liters)
2	16
5	28
10	48

Identify the volume of the chemical already in the tank before pumping began, and the rate at which the chemical is pumped.

Move the correct answer to each box. Not all answers will be used.

2 3 4 8 12 14 16 20

Original amount: liters

Rate: liters per minute

1.3

A store sells shirts for \$8.00 each. The manager plans to offer a discount this week and is considering several options.

Determine whether each discount represents a proportional or a non-proportional relationship.

Select the correct answer in each row.

Discount	Proportional	Non-proportional
Buy 2 shirts, get 1 shirt free	☐	☒
\$1.50 off each shirt	☒	☐
10% off the total amount of each purchase	☒	☐
\$2.00 off the total amount of each purchase	☐	☒

1.4

A list of values is shown. Place the values in order from greatest to least.

Move the correct answer to each box.

167%	1.8	$\frac{3}{2}$	$\sqrt{3}$
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1.8

Greatest

$\sqrt{3}$

167%

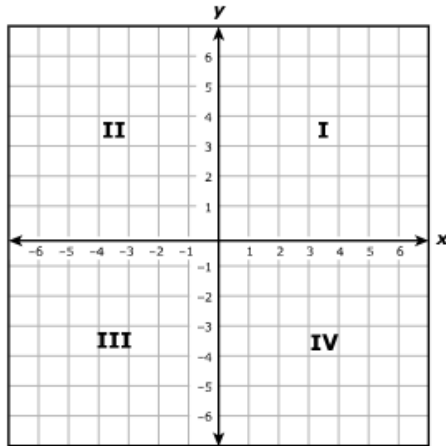
$\frac{3}{2}$

Least

1.5

A coordinate grid is shown. One vertex of a triangle is located in Quadrant I.

After a single transformation, the corresponding vertex is located in Quadrant IV.



Which rules could describe the transformation?

Select **TWO** correct answers.

☐ $(x, y) \rightarrow (-x, y)$

☒ $(x, y) \rightarrow (y, -x)$

☐ $(x, y) \rightarrow (-x, -y)$

☒ $(x, y) \rightarrow (x, -y)$

☐ $(x, y) \rightarrow (-y, x)$

1.6

The population of a city is 670,000. How is this population written in scientific notation?

Move the correct answer to each box. Not all answers will be used.

-5	-4	0.67	3	4	5	6.7	67	670
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$$\boxed{6.7} \times 10^{\boxed{5}}$$

1.7

A cone has a height of 15 inches and a base with a radius of 3 inches. What is the volume of the cone in cubic inches, in terms of π ?

Enter your answer in the space provided.

$$\boxed{45} \pi \text{ in.}^3$$

← → ↶ ↷ ✖ ✓		
1	2	3
4	5	6
7	8	9
	0	
.	-	$\frac{\Box}{\Box}$

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1.8

Determine whether each transformation applied to a quadrilateral on a coordinate grid preserves congruence or does not preserve congruence.

Select the correct answer in each row.

Transformation	Preserves Congruence	Does Not Preserve Congruence
Dilation by a scale factor of 1	☒	☐
$(x, y) \rightarrow (x + 2, y + 2)$	☒	☐
$(x, y) \rightarrow (3x, 3y)$	☐	☒
180° counterclockwise rotation about the origin	☒	☐

1.9

Henri opens a new bank account with an initial deposit of \$2,000.00:

- The interest rate is 3.5%.
- Henri makes no additional deposits or withdrawals.

How much interest will Henri earn over a period of 3 years?

Choose the correct answer from each drop-down menu to complete the sentences.

If the bank account earns 3.5% simple interest, Henri will earn \$210.00 in interest.

If the bank account earns 3.5% interest compounded annually, Henri will earn \$217.44 in interest.

1.10

A food storage container is in the shape of a cylinder. The diameter of the base of the container is 4.5 inches, and the height of the container is 10 inches.

Complete the equation that represents V , the volume of the container in cubic inches.

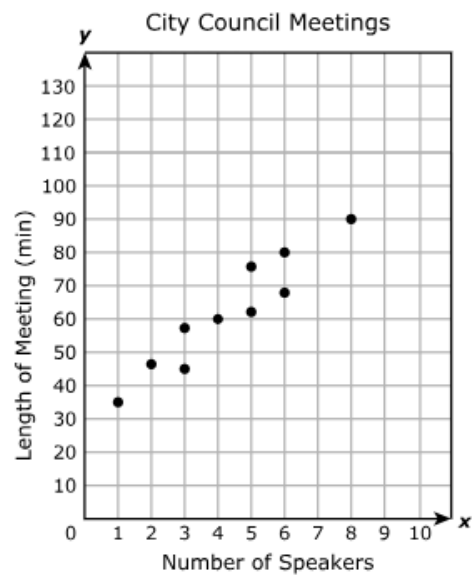
Move the correct answer to each box. Each answer may be used more than once. Not all answers will be used.

2.25 4.5 10 2.25^2 4.5^2 10^2

$$V = \pi(\boxed{2.25^2})(\boxed{10})$$

1.11

The scatterplot shows the numbers of speakers at recent city council meetings and the lengths of the meetings in minutes.



Based on the scatterplot, complete the table with the best estimates of the missing values.

Move the correct answer to each box in the table. Each answer may be used more than once. Not all answers will be used.

- 7
- 8
- 9
- 10
- 96
- 108
- 123
- 135

City Council Meetings

Number of Speakers, x	Length of Meeting, y (minutes)
7	80
12	123