

STAAR Spring 2024 Grade 6 Math Answer Key

Item Position	Item Type	TEKS Alignment	Maximum Number of Points	Correct Answer(s)	Reporting Category	Readiness or Supporting
1	Multiple Choice	6.2.10.B	1	A	2	Supporting
2	Multiple Choice	6.4.12.D	1	D	4	Readiness
3	Multiple Choice	6.3.11.A	1	B	3	Readiness
4	Inline Choice	6.4.12.B	2	8, asymmetrical See Appendix 1.1	4	Supporting
5	Multiple Choice	6.2.10.A	1	C	2	Readiness
6	Multiple Choice	6.1.7.D	1	A	1	Readiness
7	Multiple Choice	6.3.8.D	1	B	3	Readiness
8	Multiple Choice	6.1.2.B	1	A	1	Supporting
9	Multiple Choice	6.3.8.A	1	B	3	Supporting
10	Multiple Choice	6.4.13.B	1	A	4	Supporting
11	Drag and Drop	6.2.5.B	2	7, 28 See Appendix 1.2	2	Readiness
12	Multiple Choice	6.3.4.H	1	B	3	Readiness
13	Drag and Drop	6.1.2.D	1	$-1\frac{7}{10}$, -0.209 , $\frac{1}{8}$, $\frac{35}{52}$, $\frac{46}{24}$ See Appendix 1.3	1	Readiness
14	Multiple Choice	6.2.5.A	1	A	2	Supporting
15	Hot Spot	6.1.7.D	1	$(5 \cdot \frac{1}{2}p)$ $-(2 \cdot 7)$ $\frac{1}{2}p \cdot 5$ $-(7 \cdot 2)$ See Appendix 1.4	1	Readiness

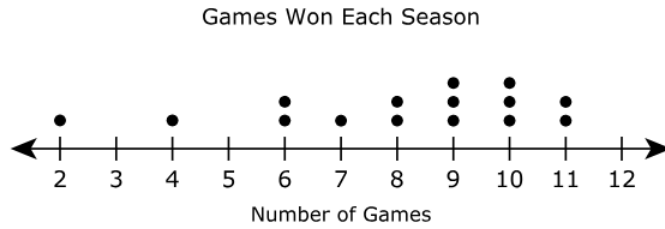
16	Multiple Choice	6.2.6.C	1	D	2	Readiness
17	Drag and Drop	6.4.12.D	2	12, 6, 30, 12 See Appendix 1.5	4	Readiness
18	Multiple Choice	6.2.4.A	1	C	2	Supporting
19	Multiple Choice	6.4.12.C	1	D	4	Readiness
20	Number Line	6.2.9.B	2	The line is graphed with an open circle at 6 and an arrow pointing to the right. See Appendix 1.6	2	Supporting
21	Multiple Choice	6.1.4.G	1	A	1	Readiness
22	Multiple Choice	6.2.3.D	1	D	2	Readiness
23	Multiple Choice	6.4.14.A	1	A	4	Supporting
24	Multiple Choice	6.1.2.A	1	B	1	Supporting
25	Multiple Choice	6.4.13.A	1	C	4	Readiness
26	Multiple Choice	6.2.5.B	1	B	2	Readiness
27	Multiple Select	6.1.4.C	2	120 S.V. and 48 A.V. 85 S.V. and 34 A.V. See Appendix 1.7	1	Supporting
28	Multiple Choice	6.2.6.B	1	C	2	Supporting
29	Graph	6.3.11.A	2	$(-4, -3)$, $(-4, 7)$ See Appendix 1.8	3	Readiness
30	Multiple Choice	6.2.9.A	1	C	2	Supporting
31	Multiple Choice	6.1.7.D	1	D	1	Readiness
32	Equation	6.3.8.D	1	16.5 See Appendix 1.9	3	Readiness

33	Multiple Choice	6.2.4.B	1	C	2	Readiness
34	Drag and Drop	6.1.4.G	2	0.375, 37.5% See Appendix 1.10	1	Readiness
35	Multiple Choice	6.2.3.E	1	C	2	Readiness
36	Multiple Choice	6.4.14.G	1	B	4	Supporting

STAAR Spring 2024 Grade 6 Math Appendix

1.1

The dot plot shows the number of games a middle school basketball team won in each of the past 15 seasons.



Each ● means 1 season.

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

The mean of the data is , and the distribution of the data is .

1.2

Kara owns 35 books. Of these books, 20% have fewer than 100 pages and 80% have 100 pages or more.

Complete the statement about the books Kara owns.

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

Kara owns books with fewer than 100 pages and books with 100 pages or more.

1.3

Arrange the numbers in order from least to greatest.

Move the correct answer to each box.

Least Greatest

1.4

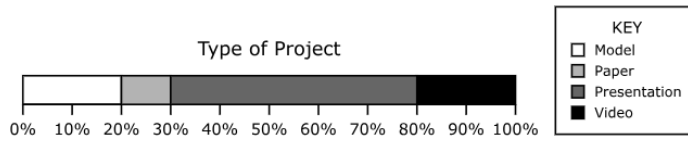
Which two expressions are equivalent?

Select **TWO** correct answers.

$(5 \cdot \frac{1}{2}p) - (2 \cdot 7)$ $(\frac{1}{2}p \cdot 5 \cdot 7) - 2$ $5(\frac{1}{2}p - 2) \cdot 7$
 $(\frac{1}{2}p \cdot 5) - (7 \cdot 2)$ $(\frac{1}{2}p \cdot 5 - 2) \cdot 7$

1.5

A project was assigned to 60 students. Each student could choose to create a model, write a paper, create a computer presentation, or make a video. The percentage bar graph shows the percentage of the students who created each type of project.



What is the number of students who created each type of project?

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

6 10 12 20 30 50

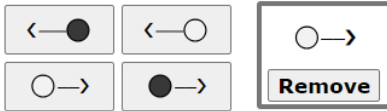
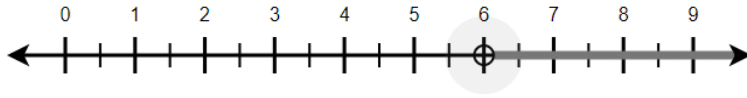
Type of Project	
Item	Number of Students
Model	12
Paper	6
Presentation	30
Video	12

1.6

A basketball team was losing by 18 points. Then 3 players each scored an equal number of points, and the team won the game. The opposing team did not score any additional points. The inequality $3p > 18$ can be used to determine the number of points each of the 3 players scored to win the game.

What is the solution to the inequality?

Select a ray. Move the point on the ray to the correct place on the number line.



1.7

There are 5 student volunteers for every 2 adult volunteers at an event. Which groups could represent the numbers of student volunteers and adult volunteers at the event?

Select **TWO** correct answers.

120 student volunteers and 48 adult volunteers

20 student volunteers and 50 adult volunteers

85 student volunteers and 34 adult volunteers

70 student volunteers and 14 adult volunteers

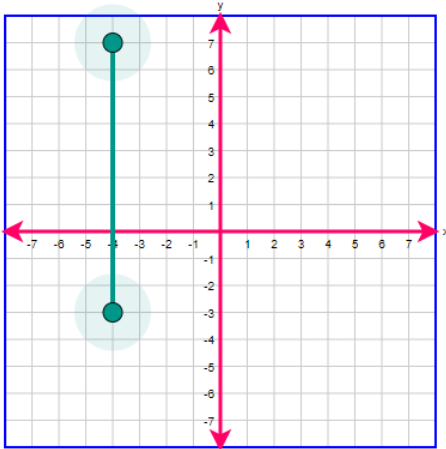
65 student volunteers and 13 adult volunteers

1.8

A student is drawing a vertical line segment on the coordinate grid shown. The student starts at point $(-4, -3)$ and extends the line segment 10 units up from the starting point.

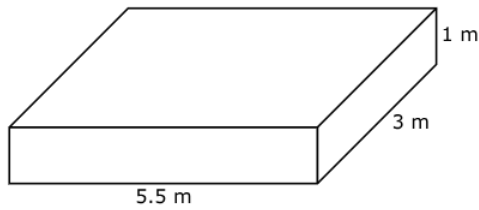
Plot the points on the coordinate grid to show the line segment the student draws.

Select two points on the coordinate grid. A line segment will connect the points.



1.9

The dimensions of a rectangular prism are shown in meters.



What is the volume of the rectangular prism in cubic meters?

Enter your answer in the box.

16.5

Calculator interface showing a grid of numbers and symbols. The grid includes digits 1-9, 0, a decimal point, a negative sign, and a fraction template icon. Navigation buttons (back, forward, undo, redo, clear) are visible at the top.

1.10

In Jada's class, $\frac{3}{8}$ of the students have blue eyes. Which values are equivalent to $\frac{3}{8}$?

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

0.375

0.38

37.5%

3.8%

38%

The values and are equivalent to $\frac{3}{8}$.