# STAAR Spring 2025 Grade 6 Mathematics Answer Key

| Item Position | Item Type | TEKS Assessed | Maximum Number of Points | Correct Answer(s) | Reporting Category | Readiness or Supporting |
|---|---|---|---|---|---|---|
| 1 | Multiple Choice | 6.1.4.E | 1 | C | 1 | Supporting |
| 2 | Multiple Choice | 6.2.3.D | 1 | A | 2 | Readiness |
| 3 | Multiple Choice | 6.1.4.D | 1 | C | 1 | Supporting |
| 4 | Multiple Choice | 6.2.10.B | 1 | D | 2 | Supporting |
| 5 | Match Table Grid | 6.4.14.B | 2 | Credit Card, Debit Card, Credit Card, Credit Card<br>See Appendix 1.1 | 4 | Supporting |
| 6 | Multiple Choice | 6.2.4.B | 1 | A | 2 | Readiness |
| 7 | Multiple Choice | 6.1.2.A | 1 | C | 1 | Supporting |
| 8 | Drag and Drop | 6.2.6.C | 2 | $y = \frac{x}{4}$, $y = 2x$<br>See Appendix 1.2 | 2 | Readiness |
| 9 | Multiple Choice | 6.4.12.D | 1 | C | 4 | Readiness |
| 10 | Multiple Choice | 6.3.11.A | 1 | B | 3 | Readiness |
| 11 | Drag and Drop | 6.1.2.D | 2 | 0.025, $\frac{1}{8}$<br>See Appendix 1.3 | 1 | Readiness |
| 12 | Multiple Choice | 6.2.3.E | 1 | A | 2 | Readiness |
| 13 | Drag and Drop | 6.4.12.C | 2 | 14.4, 14.7<br>See Appendix 1.4 | 4 | Readiness |
| 14 | Multiple Choice | 6.2.5.B | 1 | C | 2 | Readiness |
| 15 | Equation Editor | 6.3.8.C | 1 | $\frac{33}{b}$ or any equivalent expressions<br>See Appendix 1.5 | 3 | Supporting |
| 16 | Multiple Choice | 6.1.2.E | 1 | B | 1 | Supporting |
| 17 | Drag and Drop | 6.2.9.A | 1 | +, ≤<br>See Appendix 1.6 | 2 | Supporting |
| 18 | Multiple Choice | 6.1.2.B | 1 | C | 1 | Supporting |
| 19 | Multiple Choice | 6.4.12.C | 1 | B | 4 | Readiness |
| 20 | Multiple Choice | 6.2.3.E | 1 | D | 2 | Readiness |
| 21 | Hot Spot | 6.3.8.D | 1 | Figure L, Figure N Parallelogram<br>See Appendix 1.7 | 3 | Readiness |
| 22 | Multiple Choice | 6.2.10.A | 1 | C | 2 | Readiness |
| 23 | Multiselect | 6.3.4.H | 2 | second option, fifth option<br>See Appendix 1.8 | 3 | Readiness |

| | | | | | | |
|---|---|---|---|---|---|---|
| 24 | Multiple Choice | 6.2.3.D | 1 | B | 2 | Readiness |
| 25 | Multiple Choice | 6.2.4.B | 1 | B | 2 | Readiness |
| 26 | Multiple Choice | 6.4.14.H | 1 | D | 4 | Supporting |
| 27 | Multiselect | 6.2.4.A | 2 | second option, fifth option See Appendix 1.9 | 2 | Supporting |
| 28 | Multiple Choice | 6.1.7.A | 1 | C | 1 | Readiness |
| 29 | Multiple Choice | 6.4.13.A | 1 | A | 4 | Readiness |
| 30 | Drag and Drop | 6.1.7.D | 1 | $7 \div x + 1, \frac{7}{x} + 1$ See Appendix 1.10 | 1 | Readiness |
| 31 | Multiple Choice | 6.3.8.A | 1 | D | 3 | Supporting |
| 32 | Drag and Drop | 6.4.14.C | 2 | 513.18, 7.89 See Appendix 1.11 | 4 | Supporting |
| 33 | Multiple Choice | 6.1.2.D | 1 | A | 1 | Readiness |
| 34 | Multiple Choice | 6.3.11.A | 1 | C | 3 | Readiness |
| 35 | Multiple Choice | 6.1.4.G | 1 | A | 1 | Readiness |
| 36 | Multiple Choice | 6.2.5.A | 1 | B | 2 | Supporting |

# STAAR Spring 2025 Grade 6 Mathematics Appendix

## 1.1

Determine whether each statement describes a characteristic of a debit card or a credit card.

Select the correct answer in each row.

| Statement | Debit Card | Credit Card |
|---|---|---|
| It builds credit history, which can positively affect a person's credit score. | ☐ | ☑ |
| The money used to purchase an item is automatically withdrawn from a bank account. | ☑ | ☐ |
| Each purchase is a loan and will need to be paid back in the future. | ☐ | ☑ |
| Consumers may be charged interest on their purchases. | ☐ | ☑ |

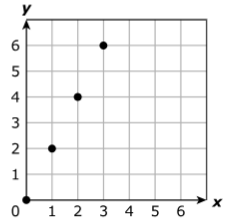
## 1.2

Which equation best represents the relationship between $x$ and $y$ in the table, and which equation best represents the relationship between $x$ and $y$ on the graph?

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

$y = 2x$ | $y = x - 6$ | $x = \frac{1}{4}y$ | $x = y - 2$ | $y = \frac{x}{4}$ | $y = x + 1$

| $x$ | $y$ |
|---|---|
| 8 | 2 |
| 12 | 3 |
| 16 | 4 |
| 24 | 6 |




Equation: $y = \frac{x}{4}$

Equation: $y = 2x$

## 1.3

Which number makes each inequality true?

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

$\frac{1}{8}$ | $-\frac{9}{2}$ | 0.025 | 1.9

$-2.6 <$ [0.025] $< \frac{1}{10} <$ [$\frac{1}{8}$] $< \frac{12}{7}$

## 1.4

The list shows the time in seconds it took for each of 6 runners to complete a 100-meter sprint.

15.1 13.8 12.9 14.3 15.2 15.1

Complete the sentences to create true statements.

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

12.9 13.6 14.4 14.7 15.1 15.5

The mean sprint time is [14.4] seconds.

The median sprint time is [14.7] seconds.

## 1.5

A parallelogram has an area of 33 square inches. The length of the base is $b$ inches, and the height is $h$ inches.

Complete the equation that can be used to determine $h$, the height of the parallelogram in inches.

Enter your answer in the box provided.

$h =$ $\frac{33}{b}$

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | + | - | • | ÷ | |
| 4 | 5 | 6 | < | ≤ | = | ≥ | > |
| 7 | 8 | 9 | $\square^{\square}$ | ( ) | | | |
| | 0 | | $b$ | | | | |
| . | - | $\frac{\square}{\square}$ | | | | | |

## 1.6

Kevin has a maximum of $28 to spend at a movie theater. He will spend $15 on a movie ticket, and he can spend the rest of the money on popcorn and a drink.

Complete the inequality to represent all possible values of $y$, the amount in dollars that Kevin can spend on popcorn and a drink.

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

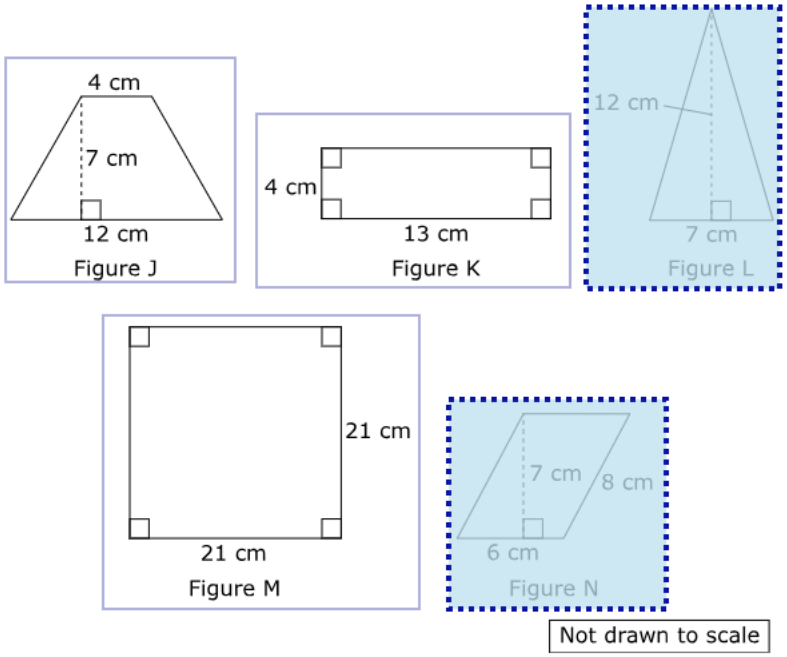
− + < > ≤ ≥

15 [+] $y$ [≤] 28

**1.7**

Which figures have the same area in square centimeters?

Select **TWO** correct answers.




**1.8**

The length of a wall is 6 yards. Which measurements are equivalent to 6 yards?

Select **TWO** correct answers.

- [ ] 2 feet
- [x] 18 feet
- [ ] 9 feet
- [ ] 108 inches
- [x] 216 inches
- [ ] 72 inches

## 1.9

Which statements describe the relationships between $x$ and $y$ in these two equations?

$$y = 7x$$
$$y = x + 7$$

Select **TWO** correct answers.

- [ ] When $x$ is a negative number, both values of $y$ will be negative.
- [x] The value of $y$ in $y = 7x$ is 7 times the value of $x$, and the value of $y$ in $y = x + 7$ is 7 more than the value of $x$.
- [ ] The value of $y$ in both $y = 7x$ and $y = x + 7$ is 7 times the value of $x$.
- [ ] The value of $y$ in $y = 7x$ is 7 more than the value of $x$, and the value of $y$ in $y = x + 7$ is 7 times $x$.
- [x] When $x$ is a positive number, both values of $y$ will be positive.

## 1.10

Complete the sentence to make it true.

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

$7(x \cdot 1)$ $7 \div x + 1$ $x(7 + 1)$ $\frac{x}{7} + 1$ $\frac{7}{x} + 1$

The expressions $7 \div x + 1$ and $\frac{7}{x} + 1$ are equivalent.

## 1.11

The beginning balance in Ms. Kar's checking account on August 22 was $563.18. She made some withdrawals and deposits over the next few days but forgot to enter some of the information in her check register.

Which two amounts are missing from Ms. Kar's check register?

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

7.89 12.11 51.36 513.18 613.18

**Ms. Kar's Check Register**

| Date | Description | Deposits (dollars) | Withdrawals (dollars) | Balance (dollars) |
|---|---|---|---|---|
| 8/22 | | | | 563.18 |
| 8/22 | Phone bill | | 50.00 | 513.18 |
| 8/23 | Cash deposit | 25.29 | | 538.47 |
| 8/24 | Cash deposit | 7.89 | | 546.36 |
| 8/24 | Dinner out | | 51.36 | 495.00 |