# STAAR Grade 5 Math Answer Key

| Item Position | Item Type | TEKS Alignment | Maximum Number of Points | Correct Answers(s) | Reporting Category | Readiness or Supporting |
|---|---|---|---|---|---|---|
| 1 | Multiple Choice | 5.2.3.E | 1 | B | 2 | Readiness |
| 2 | Multiple Choice | 5.1.4.F | 1 | A | 1 | Readiness |
| 3 | Multiple Choice | 5.4.9.C | 1 | B | 4 | Readiness |
| 4 | Multiple Choice | 5.1.2.A | 1 | C | 1 | Supporting |
| 5 | Multiple Choice | 5.2.4.B | 1 | B | 2 | Readiness |
| 6 | Multiple Choice | 5.3.8.C | 1 | D | 3 | Readiness |
| 7 | Multiple Choice | 5.2.3.L | 1 | A | 2 | Readiness |
| 8 | Multiple Choice | 5.3.5.A | 1 | D | 3 | Readiness |
| 9 | Drag and drop | 5.2.3.H | 2 | $\frac{2}{3}$, $\frac{1}{6}$ <br> See Appendix 1.1 | 2 | Supporting |
| 10 | Multiple Choice | 5.3.4.H | 1 | A | 3 | Readiness |
| 11 | Multiple Choice | 5.4.10.F | 1 | C | 4 | Supporting |
| 12 | Multiple Choice | 5.2.3.J | 1 | A | 2 | Supporting |
| 13 | Multiple Select | 5.1.2.B | 2 | C, E <br> See Appendix 1.2 | 1 | Readiness |
| 14 | Multiple Choice | 5.2.3.G | 1 | D | 2 | Readiness |
| 15 | Multiple Choice | 5.3.7.A | 1 | B | 3 | Supporting |
| 16 | Drag and drop | 5.2.4.C | 2 | 1.75, 4.25 <br> See Appendix 1.3 | 2 | Readiness |
| 17 | Inline Choice | 5.2.4.B | 2 | +, x <br> See Appendix 1.4 | 2 | Readiness |
| 18 | Multiple Choice | 5.3.8.A | 1 | C | 3 | Supporting |
| 19 | Equation Editor | 5.1.2.C | 1 | 384.931 (or any value greater than 384.93 and less than 384.935, exclusive.) <br> See Appendix 1.5 | 1 | Supporting |
| 20 | Multiple Choice | 5.3.5.A | 1 | A | 3 | Readiness |
| 21 | Multiple Choice | 5.2.3.E | 1 | C | 2 | Readiness |
| 22 | Graphing | 5.3.8.C | 2 | Any 2 of the following points: (0, 0), (1, 2), (2, 4), (3, 6), (4, 8), (5, 10) <br> See Appendix 1.6 | 3 | Readiness |
| 23 | Drag and drop | 5.2.4.D | 2 | An additive, increased by 18 <br> See Appendix 1.7 | 2 | Supporting |
| 24 | Multiple Choice | 5.1.2.B | 1 | D | 1 | Readiness |
| 25 | Multiple Choice | 5.2.3.B | 1 | C | 2 | Supporting |

| 26 | Multiple Select | 5.1.4.A | 2 | B, D<br>See Appendix 1.8 | 1 | Supporting |
|----|----------------|---------|---|---------------------------|---|------------|
| 27 | Multiple Choice | 5.2.3.L | 1 | B | 2 | Readiness |
| 28 | Multiple Choice | 5.1.4.F | 1 | D | 1 | Readiness |
| 29 | Multiple Choice | 5.2.3.K | 1 | B | 2 | Readiness |
| 30 | Multiple Choice | 5.4.9.C | 1 | C | 4 | Readiness |
| 31 | Drag and drop | 5.2.3.F | 2 | 4, 5, 3, 1, 5<br>(4.5 ÷ 3 = 1.5)<br>See Appendix 1.9 | 2 | Supporting |
| 32 | Multiple Choice | 5.3.4.H | 1 | A | 3 | Readiness |
| 33 | Multiple Choice | 5.4.10.A | 1 | D | 4 | Supporting |
| 34 | Multiple Choice | 5.2.3.G | 1 | C | 2 | Readiness |

# STAAR Grade 5 Math

# Appendix

## 1.1

The shaded part of the model represents a fraction. The X in the model represents another fraction that was subtracted from the first fraction.
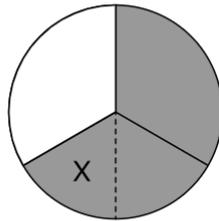


What subtraction expression does the model represent?

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

$\frac{1}{2}$  $\frac{1}{3}$  $\frac{1}{4}$  $\frac{1}{6}$  $\frac{2}{3}$  $\frac{3}{4}$

$\frac{2}{3}$ $-$ $\frac{1}{6}$

## 1.2

Which comparisons are true?

Select **TWO** correct answers.

- [ ] 35.07 > 35.70
- [ ] 102.08 > 102.4
- [x] 23.501 > 23.5
- [ ] 10.909 > 10.98
- [x] 37.2 > 37.01

**1.3**

A person runs laps around a track. The relationship between the number of laps, $x$, and the total distance run in miles, $y$, can be represented by the equation $y = 0.25x$.

Complete the table to represent this relationship.

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

| 1.25 | 1.75 | 3.5 | 4.25 | 6.75 | 7.25 | 16.75 | 17.25 |

**Track**

| Number of Laps, $x$ | Total Distance, $y$ (miles) |
|---|---|
| 2 | 0.5 |
| 7 | 1.75 |
| 8 | 2 |
| 17 | 4.25 |

**1.4**

Gale buys some baseball cards. She buys one pack of 8 baseball cards. She buys three more packs that each have 64 baseball cards.

Gale wants to create a equation to represent $h$, the total number of baseball cards she buys.

Complete the equation by selecting the correct operators from the drop-down menus.

$h = 8$ [ + ⇕ ] 3 [ × ⇕ ] 64

**1.5**

A number rounded to the nearest hundredth is 384.93. The original number is greater than 384.93.

What could be the number? There is more than one possible answer.

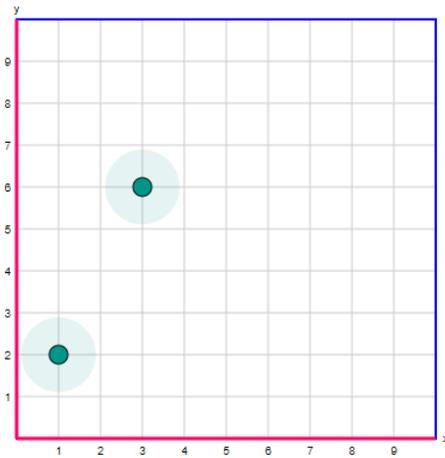Enter your number in the space provided.

384.931

| ← | → | ↰ | ↱ | ⌫ |

| 1 | 2 | 3 |
|---|---|---|
| 4 | 5 | 6 |
| 7 | 8 | 9 |
| 0 | . | □/□ |

## 1.6

Jonathan created a pattern by multiplying each *x*-coordinate by 2 to get the *y*-coordinate.

What are two points on the coordinate grid that fit this pattern?

Plot each point on the coordinate grid.



## 1.7

The table shows a relationship between *x* and *y*.

| x | y |
|---|---|
| 6 | 24 |
| 9 | 27 |
| 15 | 33 |
| 26 | 44 |

Complete the statement about the pattern represented by the relationship between *x* and *y*.

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

an additive | a multiplicative | increased by 22 | increased by 18 | multiplied by 3 | multiplied by 4

The relationship shown is [ an additive ] pattern because each *x*-coordinate is [ increased by 18 ] in order to create the corresponding *y*-coordinate.
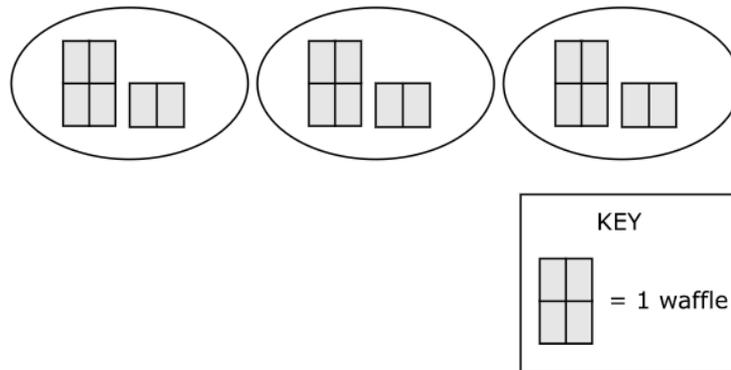
**1.8**

Which of these are composite numbers?

Select **TWO** correct answers.

- ☐ 3
- ☑ 4
- ☐ 19
- ☑ 22
- ☐ 31

**1.9**

Luis and his two brothers equally shared some waffles. The model shown represents the number of waffles Luis and his two brothers each received.

KEY

= 1 waffle

Complete the decimal equation to represent this model.

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

0 1 2 3 4 5 6 7 8 9

$4.5 \div 3 = 1.5$