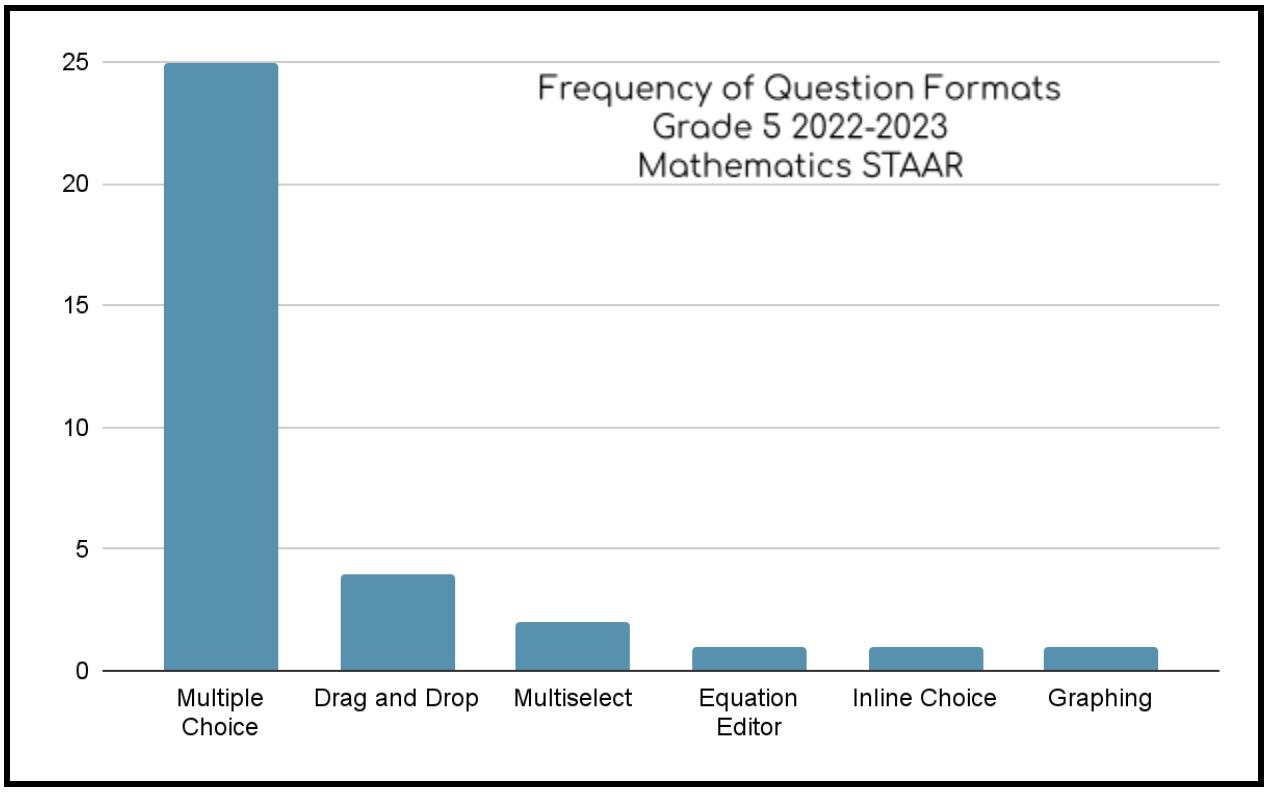
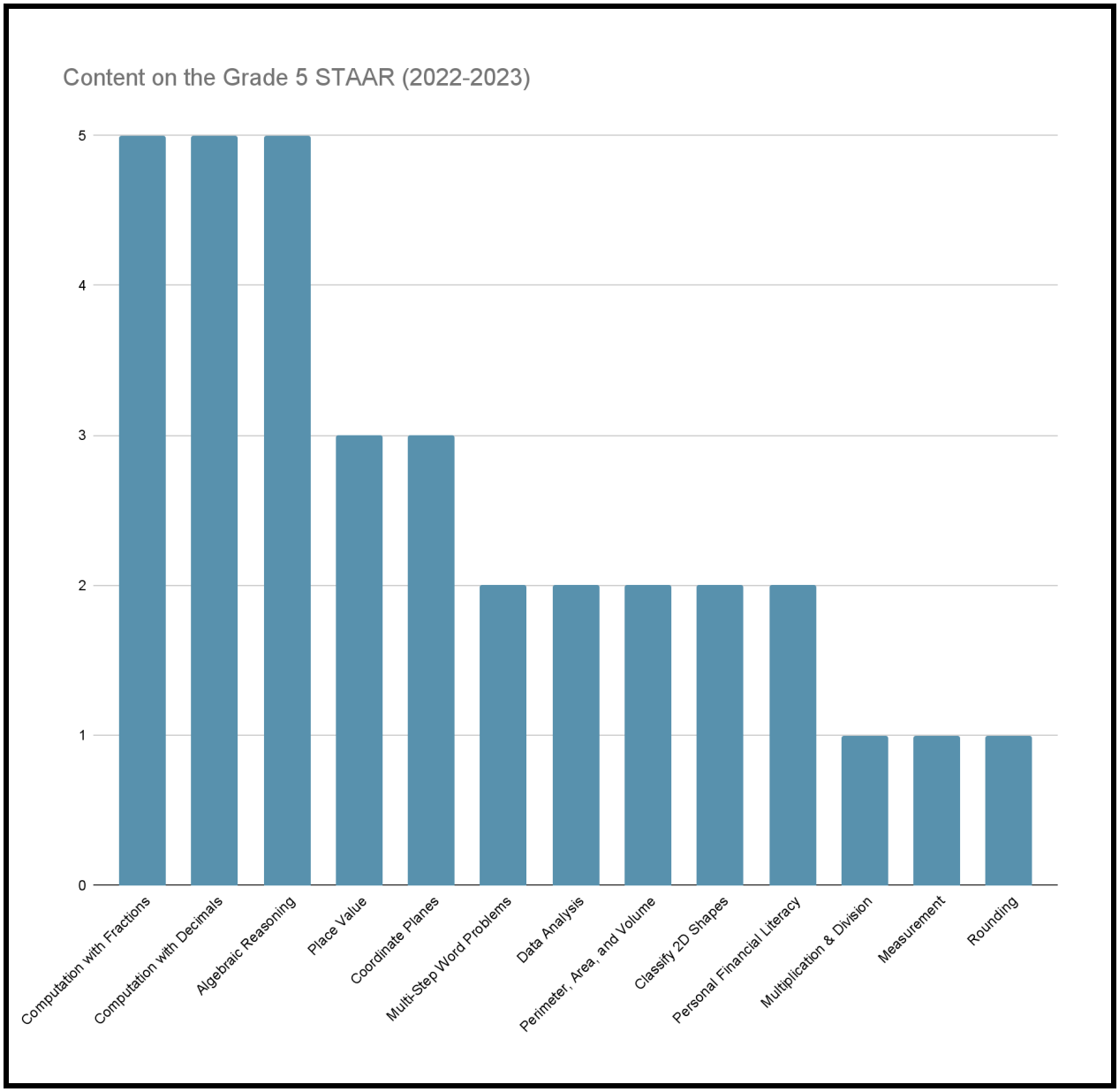
Grade 5 Mathematics STAAR 2022-2023			
#	Format	Content	TEK
1	Multiple Choice	Computation with Decimals	5.2.3.E solve for products of decimals to the hundredths, including situations involving money, using strategies based on place-value understandings, properties of operations, and the relationship to the multiplication of whole numbers;
2	Multiple Choice	Algebraic Reasoning	5.1.4.F simplify numerical expressions that do not involve exponents, including up to two levels of grouping;
3	Multiple Choice	Data Analysis	5.4.9.C solve one- and two-step problems using data from a frequency table, dot plot, bar graph, stem-and-leaf plot, or scatterplot.
4	Multiple Choice	Place Value	5.1.2.A represent the value of the digit in decimals through the thousandths using expanded notation and numerals;
5	Multiple Choice	Multi-Step Word Problems	5.2.4.B represent and solve multi-step problems involving the four operations with whole numbers using equations with a letter standing for the unknown quantity;
6	Multiple Choice	Coordinate Planes	5.3.8.C graph in the first quadrant of the coordinate plane ordered pairs of numbers arising from mathematical and real-world problems, including those generated by number patterns or found in an input-output table.
7	Multiple Choice	Computation with Fractions	5.2.3.L divide whole numbers by unit fractions and unit fractions by whole numbers.
8	Multiple Choice	Classify 2D Shapes	5.3.5.A Geometry and measurement. The student applies mathematical process standards to classify two-dimensional figures by attributes and properties. The student is expected to classify two-dimensional figures in a hierarchy of sets and subsets using graphic organizers based on their attributes and properties.
9	Drag and Drop	Computation with Fractions	5.2.3.H represent and solve addition and subtraction of fractions with unequal denominators referring to the same whole using objects and pictorial models and properties of operations;
10	Multiple Choice	Perimeter, Area, and Volume	5.3.4.H represent and solve problems related to perimeter and/or area and related to volume.
11	Multiple Choice	Personal Financial Literacy	5.4.10.F balance a simple budget
12	Multiple Choice	Computation with Fractions	5.2.3.J represent division of a unit fraction by a whole number and the division of a whole number by a unit fraction such as 1/3 ÷ 7 and 7 ÷ 1/3 using objects and pictorial models, including area models;
13	Multiselect	Place Value	5.1.2.B compare and order two decimals to thousandths and represent comparisons using the symbols >, <, or =; and
14	Multiple Choice	Computation with Decimals	5.2.3.G solve for quotients of decimals to the hundredths, up to four-digit dividends and two-digit whole number divisors, using strategies and algorithms, including the standard algorithm;
15	Multiple Choice	Measurement	5.3.7.A Geometry and measurement. The student applies mathematical process standards to select appropriate units, strategies, and tools to solve problems involving measurement. The student is expected to solve problems by calculating conversions within a measurement system, customary or metric.
16	Drag and Drop	Algebraic Reasoning	5.2.4.C generate a numerical pattern when given a rule in the form y = ax or y = x + a and graph;
17	Inline Choice	Multi-Step Word	5.2.4.B represent and solve multi-step problems involving the four

		Problems	operations with whole numbers using equations with a letter standing for the unknown quantity;
18	Multiple Choice	Coordinate Planes	5.3.8.A describe the key attributes of the coordinate plane, including perpendicular number lines (axes) where the intersection (origin) of the two lines coincides with zero on each number line and the given point (0, 0); the x-coordinate, the first number in an ordered pair, indicates movement parallel to the x-axis starting at the origin; and the y-coordinate, the second number, indicates movement parallel to the y-axis starting at the origin;
19	Equation Editor	Rounding	5.1.2.C round decimals to tenths or hundredths.
20	Multiple Choice	Classify 2D Shapes	5.3.5.A Geometry and measurement. The student applies mathematical process standards to classify two-dimensional figures by attributes and properties. The student is expected to classify two-dimensional figures in a hierarchy of sets and subsets using graphic organizers based on their attributes and properties.
21	Multiple Choice	Computation with Decimals	5.2.3.E solve for products of decimals to the hundredths, including situations involving money, using strategies based on place-value understandings, properties of operations, and the relationship to the multiplication of whole numbers;
22	Graphing	Coordinate Planes	5.3.8.C graph in the first quadrant of the coordinate plane ordered pairs of numbers arising from mathematical and real-world problems, including those generated by number patterns or found in an input-output table.
23	Drag and Drop	Algebraic Reasoning	5.2.4.D recognize the difference between additive and multiplicative numerical patterns given in a table or graph;
24	Multiple Choice	Place Value	5.1.2.B compare and order two decimals to thousandths and represent comparisons using the symbols >, <, or =; and
25	Multiple Choice	Multiplication & Division	5.2.3.B multiply with fluency a three-digit number by a two-digit number using the standard algorithm;
26	Multiselect	Algebraic Reasoning	5.1.4.A identify prime and composite numbers;
27	Multiple Choice	Computation with Fractions	5.2.3.L divide whole numbers by unit fractions and unit fractions by whole numbers.
28	Multiple Choice	Algebraic Reasoning	5.1.4.F simplify numerical expressions that do not involve exponents, including up to two levels of grouping;
29	Multiple Choice	Computation with Fractions	5.2.3.K add and subtract positive rational numbers fluently; and
30	Multiple Choice	Data Analysis	5.4.9.C) solve one- and two-step problems using data from a frequency table, dot plot, bar graph, stem-and-leaf plot, or scatterplot
31	Drag and Drop	Computation with Decimals	5.2.3.F represent quotients of decimals to the hundredths, up to four-digit dividends and two-digit whole number divisors, using objects and pictorial models, including area models;
32	Multiple Choice	Perimeter, Area, and Volume	5.3.4.H represent and solve problems related to perimeter and/or area and related to volume
33	Multiple Choice	Personal Financial Literacy	5.4.10.A define income tax, payroll tax, sales tax, and property tax;
34	Multiple Choice	Computation with Decimals	5.2.3.G solve for quotients of decimals to the hundredths, up to four-digit dividends and two-digit whole number divisors, using strategies and algorithms, including the standard algorithm;


Frequency of Question Formats
Grade 5 2022-2023
Mathematics STAAR
25
20
15
10
5
0
Multiple Choice
Drag and Drop
Multiselect
Equation Editor
Inline Choice
Graphing


Content on the Grade 5 STAAR (2022-2023)
5
4
3
2
1
0
Computation with Fractions
Computation with Decimals
Algebraic Reasoning
Place Value
Coordinate Planes
Multi-Step Word Problems
Data Analysis
Perimeter, Area, and Volume
Classify 2D Shapes
Personal Financial Literacy
Multiplication & Division
Measurement
Rounding

Examples of Each Question Format
Grade 5 2022-2023 STAAR

Multiple Choice

1

GUEST, GUEST

There were 681 books sold at a used book sale. Each book was sold for $0.50.

What was the total amount of money collected from the sale of these books?

Ⓐ $300.50

Ⓑ $340.50

Ⓒ $30.05

Ⓓ $34.05

Multiselect

13

GUEST, GUEST

Which comparisons are true?

Select **TWO** correct answers.

☐ 35.07 > 35.70

☐ 102.08 > 102.4

☐ 23.501 > 23.5

☐ 10.909 > 10.98

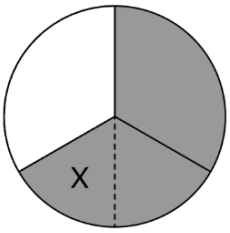
☐ 37.2 > 37.01

Drag and Drop

9

GUEST, GUEST

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.

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

$\frac{2}{3}$ − ☐

Inline Choice

17

GUEST, GUEST

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 an 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

- ✔
- \+
- −
- ×
- ÷

Equation Editor

19

GUEST, GUEST

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.

1	2	3
4	5	6
7	8	9
0	.	

Graphing

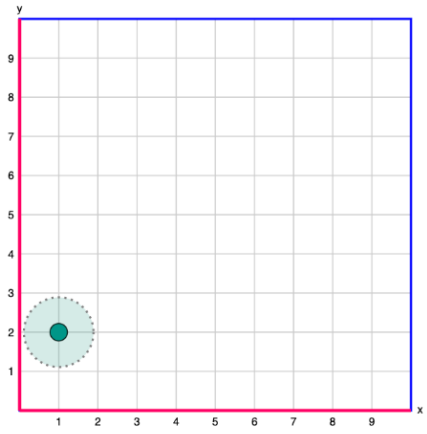
22

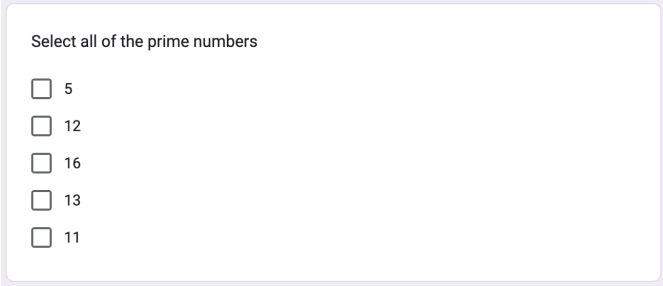
GUEST, GUEST

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.



<table>
<tr><th colspan="3">Online Activities</th></tr>
<tr><th>Question Format</th><th>Content</th><th>Link and Description</th></tr>
<tr><td>Multiple Choice</td><td>Word Problems & Computation with Fractions</td><td>➔ Mr. Nussbaum Adding and Subtracting Mixed Numbers with Like Denominators
➔ Mr. Nussbaum Word Problems with Mixed Numbers
➔ Mr. Nussbaum Adding and Subtracting Fractions with Like Denominators Word Problems
➔ Mr. Nussbaum Adding Fractions with Unlike Denominators</td></tr>
<tr><td>Multiselect</td><td>Algebraic Reasoning</td><td>➔ Create an exit ticket on prime and composite numbers using Google Forms. When you add questions, select the “checkboxes” format.
  </td></tr>
<tr><td rowspan="2">Drag and Drop</td><td>Word Problems & Computation with Fractions</td><td>Thinking Blocks Fractions
➔ “Same Denominators” - Add or subtract fractions with like denominators
➔ “Unlike Denominators” - Add or subtract fractions with unlike denominators
➔ “Find a Part” - Multiply a whole number by a fraction</td></tr>
<tr><td>Word Problems & Multiplication /Division</td><td>Thinking Blocks Multiplication
➔ “Parts and Whole” - Equal groups schema; multiply and divide whole numbers
➔ “Missing Parts” - Equal groups schema; divide whole numbers
➔ “1 Step Compare” - Set/comparison problems
➔ “Compare - Total” - Multi-step problems; set/comparison and total schemas
➔ “Compare - Difference” - Multi-step problems; set/comparison and difference schemas
➔ “2 Operations” and “Three Quantities”- Multi-step problems; add, subtract, multiply, and divide whole numbers</td></tr>
</table>

Inline Choice	Place Value	➔ Create a place value exit ticket using Google Forms. When you add questions, select the "dropdown" format.
Equation Editor	**Addition and Subtraction with Decimals**	Mr. Nussbaum Lunch Lady Game ➔ *Add three numbers up to the hundredths place (dollars and cents); enter the answer using an image of a cash register*
Graphing	Coordinate Planes	Math Nook Build a Bot ➔ Select *Quadrant 1*