VIRGINIA STANDARDS OF LEARNING

Spring 2010 Released Test

GRADE 6 MATHEMATICS

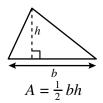
Form M0110, CORE 1

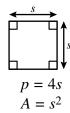
Property of the Virginia Department of Education

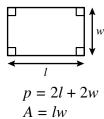
Copyright ©2010 by the Commonwealth of Virginia, Department of Education, P.O. Box 2120, Richmond, Virginia 23218-2120. All rights reserved. Except as permitted by law, this material may not be reproduced or used in any form or by any means, electronic or mechanical, including photocopying or recording, or by any information storage or retrieval system, without written permission from the copyright owner. Commonwealth of Virginia public school educators may reproduce any portion of these released tests for non-commercial educational purposes without requesting permission. All others should direct their written requests to the Virginia Department of Education, Division of Student Assessment and School Improvement, at the above address or by e-mail to Student_Assessment@doe.virginia.gov.

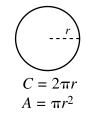
Grade 6 Mathematics Formula Sheet

Geometric Formulas









Ρi

$$\pi\approx 3.14$$

$$\pi \approx \frac{22}{7}$$

Abbreviations

| milligram | mg |
|-------------------|-----------------|
| gram | g |
| kilogram | kg |
| milliliter | mL |
| liter | L |
| kiloliter | kL |
| millimeter | mm |
| centimeter | cm |
| meter | m |
| kilometer | km |
| square centimeter | cm ² |
| cubic centimeter | cm ³ |

| ounce oz pound lb quart qt gallon gal. inch in. foot ft yard yd mile mi. square inch sq in. square foot sq ft cubic inch cu in. cubic foot cu ft | | |
|--|-------------|--------|
| quart qt gallon gal. inch in. foot ft yard yd mile mi. square inch sq in. square foot sq ft cubic inch cu in. | ounce | OZ |
| gallon gal. inch in. foot ft yard yd mile mi. square inch sq in. square foot sq ft cubic inch cu in. | pound | lb |
| inch in. foot ft yard yd mile mi. square inch sq in. square foot sq ft cubic inch cu in. | quart | qt |
| foot ft yard yd mile mi. square inch sq in. square foot sq ft cubic inch cu in. | gallon | gal. |
| yard yd mile mi. square inch sq in. square foot sq ft cubic inch cu in. | inch | in. |
| mile mi. square inch sq in. square foot sq ft cubic inch cu in. | foot | ft |
| square inch sq in. square foot sq ft cubic inch cu in. | yard | yd |
| square foot sq ft cubic inch cu in. | mile | mi. |
| cubic inch cu in. | square inch | sq in. |
| | square foot | sq ft |
| cubic foot cu ft | cubic inch | cu in. |
| | cubic foot | cu ft |

| area | A |
|---------------|---|
| perimeter | p |
| circumference | C |

| year | yr |
|--------|-----|
| month | mon |
| hour | hr |
| minute | min |
| second | sec |

Directions

Read each question and choose the best answer.

SAMPLE

Which is less than 1.064?

- **A** 1.159
- **B** 1.059
- **C** 1.171
- **D** 1.071

- 1 Hayden has \$20 to spend at the county fair. Admission to the fair is \$5.00 per person, and tickets for food and games are \$1.25 per ticket. What information is needed to calculate the amount of money that Hayden will have left after attending the fair?
 - **A** The number of prizes he won
 - **B** The number of hours he attended
 - **C** The number of tickets he purchased
 - **D** The number of miles the fair is from his house

- 2 Amy bought three CDs for \$15.34, \$17.57, and \$10.29, including sales tax. She gave the clerk \$50.00. Which is *closest* to the amount of change Amy should receive?
 - **F** \$1.00
 - **G** \$7.00
 - **H** \$10.00
 - **J** \$17.00

- 3 What is 11.25 divided by 0.5?
 - **A** 2,250
 - **B** 225
 - **C** 22.5
 - **D** 2.25

- 4 Donna and Darcy collected newspapers for recycling. Donna collected
 - $5\frac{3}{4}$ pounds of newspaper. Darcy collected $2\frac{1}{4}$ pounds of newspaper. What

was the total amount of newspaper they collected?

- $\mathbf{F} = 8\frac{1}{2}$ pounds
- **G** 8 pounds
- **H** $7\frac{1}{2}$ pounds
- **J** 7 pounds

- 5 In her shopping cart, Jody has 2 pounds of oranges at \$0.99 per pound, 3 cans of soup at \$1.19 per can, and 1 gallon of ice cream at \$3.79 per gallon. Which is closest to the total cost of the items in her shopping cart?
 - **A** \$9.00
 - **B** \$8.00
 - **C** \$7.00
 - **D** \$6.00

- 6 0.008)0.64
 - **F** 8
 - **G** 80
 - **H** 800
 - **J** 8,000

- 7 Which fraction is equivalent to $\frac{5}{6} \div \frac{1}{3}$?
 - **A** $\frac{5}{18}$
 - **B** $\frac{2}{5}$
 - **c** $1\frac{1}{6}$
 - **D** $2\frac{1}{2}$

8 Look at the table.

Items Gwen Purchased

| Item | Number of Items | Cost per Item |
|--------------|-----------------|------------------|
| Sketchpad | 5 | \$2.99 |
| Paintbrush | 2 | \$5.99 |
| Box of chalk | 1 | \$15.99 |

Which could be used to determine the total amount of money Gwen spent before tax?

- F Multiply the cost per item by the number of items, then add the products
- **G** Divide the cost per item by the number of items, then multiply the quotients
- **H** Divide the cost per item by the number of items, then add the quotients
- **J** Multiply the cost per item by the number of items, then multiply the products

9 Jasmine's recipe requires $\frac{2}{3}$ cup flour. She has only $\frac{1}{2}$ cup of flour in the pantry. How much more flour does she need?

- $\mathbf{A} = \frac{7}{6}$ cups
- $\mathbf{B} \quad \frac{3}{5} \text{ cup}$
- $\mathbf{c} = \frac{1}{3} \operatorname{cup}$
- $\mathbf{D} \quad \frac{1}{6} \text{ cup}$

10 The table shows the prices for CDs at 4 different stores.

CD Prices

| Store | Number of CDs | Total Price |
|------------|---------------|--------------------|
| Budget Buy | 4 | \$30.00 |
| CD City | 2 | \$15.99 |
| Music Mall | 3 | \$21.99 |
| Shop Smart | 1 | \$8.99 |

Which store has the lowest price per CD?

- **F** Budget Buy
- **G** CD City
- **H** Music Mall
- J Shop Smart

Do not turn the page until you are told.

11 A prime number can best be described as —

- **A** a number with more than 2 different factors
- **B** a number with exactly 2 different factors
- **C** always an even number
- **D** always an odd number

12 What is the greatest common factor of 18 and 33?

- **F** 594
- **G** 198
- **H** 6
- **J** 3

13 Which decimals are ordered from *least* to *greatest*?

- **A** 0.009, 0.8, 0.05, 1.0
- **B** 0.009, 0.05, 0.8, 1.0
- **C** 1.0, 0.05, 0.8, 0.009
- **D** 1.0, 0.8, 0.05, 0.009

14 Which of the following is true?

- **F** $^{-}16 = 16$
- **G** $^{-}29 > 24$
- **H** -47 < -43
- J -70 < -77

- 15 Sam owns a canoe rental company with 120 boats. He has 55 wood boats, and the rest are fiberglass. What is the ratio of wood boats to fiberglass boats?
 - **A** 55:65
 - **B** 65:55
 - **C** 120:55
 - **D** 120:65

- 16 Which is a composite number?
 - **F** 49
 - **G** 47
 - **H** 37
 - **J** 29

- 17 Which percent is equivalent to $\frac{3}{5}$?
 - **A** 15%
 - **B** 20%
 - **C** 35%
 - **D** 60%

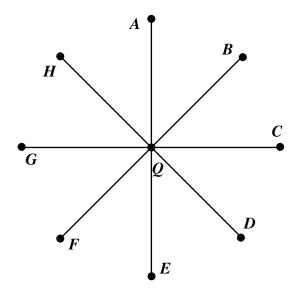
| 18 Which digit could be found in the ones place of an odd number |
|--|
|--|

- **F** 0
- **G** 1
- **H** 2
- **J** 4

19 Which is *closest* to the area of a classroom bulletin board?

- **A** 2,000 square inches
- **B** 2,000 square feet
- **C** 2,000 cubic inches
- **D** 2,000 cubic feet

20 Which angle has a measure *closest* to 90°?

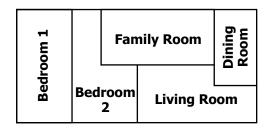


- F $\angle HQA$
- **G** $\angle HQB$
- **H** ∠*HQD*
- J ∠*HQE*

21 How many ounces are equivalent to 25 pounds?

- **A** 175 ounces
- **B** 200 ounces
- C 370 ounces
- **D** 400 ounces

22 Nikki drew a sketch of the floor plan of her home.



Which two rooms in Nikki's sketch appear to be congruent?

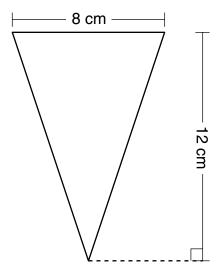
- **F** Bedroom 1 and Family Room
- **G** Dining Room and Bedroom 1
- **H** Living Room and Bedroom 2
- J Living Room and Dining Room

- 23 A wheel has a radius of 67.5 meters. Which is closest to the circumference of this wheel?
 - **A** 211.95 m
 - **B** 423.9 m
 - **C** 4,556.25 m
 - **D** 14,306.62 m

24 What is equivalent to 3 gallons?

- **F** 3 quarts
- **G** 4 quarts
- **H** 6 quarts
- **J** 12 quarts

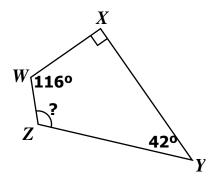
25 What is the area of the triangle shown?



- $\textbf{A} \qquad 32 \text{ cm}^2$
- **B** 40 cm^2
- **C** 48 cm²
- **D** 96 cm²

- 26 What number of feet equals 24 yards?
 - **F** 2
 - **G** 8
 - **H** 72
 - **J** 288

27 Three angle measures of quadrilateral $W\!X\!Y\!Z$ are labeled in the figure.



What is the measure of $\angle WZY$?

- **A** 112°
- **B** 158°
- **C** 202°
- **D** 248°

28 Which triangle appears to have 3 congruent angles?

F



G



Н



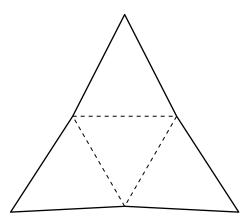
J



29 Which of the following shapes is *not* a parallelogram?

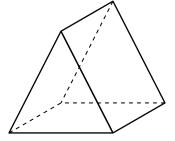
- **A** Trapezoid
- **B** Rectangle
- **C** Rhombus
- **D** Square

30 A net of a three-dimensional figure is shown below.

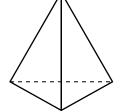


Which is *most likely* the figure?

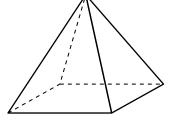
F



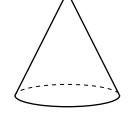
G



Н



J



- 31 If a data set has an odd number of data and is in numerical order, then the middle value represents the -
 - **A** median
 - **B** range
 - **C** mean
 - **D** mode

32 The first 200 visitors to a state park were asked about their favorite park activity. The results are shown in this circle graph.

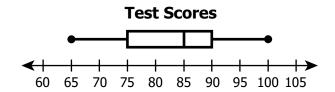
Camping
Hiking
Swimming
Fishing

Favorite State Park

Which of the following is *closest* to the number of these 200 visitors who said hiking was their favorite activity?

- **F** 25 visitors
- **G** 40 visitors
- **H** 50 visitors
- **J** 75 visitors

33 This box-and-whisker plot displays information about the test scores for 25 students.



Based on the information in this box-and-whisker plot, which of the following statements is *true*?

- **A** The highest score on the test is 90.
- **B** The range of the test scores is 15.
- **C** The median test score is 85.
- **D** The mean test score is 85.

- 34 A bag contains 4 red, 5 green, 3 blue, and 6 yellow tiles of equal size and shape. One tile is randomly selected from the bag. What is the probability that the tile selected is blue?
 - **F** $\frac{5}{6}$
 - **G** $\frac{1}{3}$
 - H $\frac{1}{5}$
 - J $\frac{1}{6}$

35 Look at the table.

Tickets Sold

| Day | Number Sold |
|----------|----------------|
| Thursday | 36 |
| Friday | 25 |
| Saturday | 18 |
| Sunday | 33 |

What is the mean of the number of tickets sold over these four days?

- **A** 25
- **B** 27
- **C** 28
- **D** 29

36 Mr. Murphy asked 24 of his students how many miles they live from the school. The stem-and-leaf plot shows the data.

| Stem | Leaf |
|------|-----------------|
| 0 | 111112233455678 |
| 1 | 0 0 1 2 3 4 4 |
| 2 | 1 5 |

| Key |
|----------|
| 2 1 = 21 |

Which of the following is a *true* conclusion based on the data in the stem-and-leaf plot?

- **F** Five students live 1 mile from the school.
- **G** Three students live 4 miles from the school.
- **H** Exactly half the students live 7 or more miles from the school.
- **J** The maximum distance a student lives from the school is 15 miles.

37 Andy is packing clothes for a camping trip.

Andy's Clothes

| Shirts | Pants | Shoes |
|--------|--------|---------|
| Blue | Shorts | Boots |
| Green | Jeans | Sandals |

Based on the chart, which of the following shows all of Andy's possible clothing combinations of 1 color of shirt, 1 type of pants, and 1 type of shoes?

blue shirt, shorts, sandals blue shirt, jeans, boots blue shirt, jeans, sandals green shirt, shorts, boots green shirt, jeans, boots green shirt, jeans, sandals

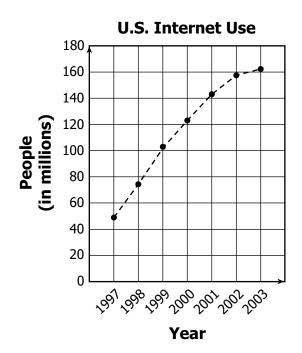
blue shirt, shorts, boots

blue shirt, shorts, boots blue shirt, jeans, sandals green shirt, shorts, boots green shirt, jeans, sandals

blue shirt, shorts, boots
blue shirt, shorts, sandals
blue shirt, jeans, boots
blue shirt, jeans, sandals
green shirt, shorts, boots
green shirt, jeans, boots
red shirt, shorts, sandals
red shirt, jeans, sandals

D blue shirt, shorts, boots green shirt, jeans, sandals

38 This graph shows the number of people who used the Internet each year in the United States from 1997 to 2003.



Based on the information in the graph, between which two years did the smallest increase occur?

- **F** 1997 and 1998
- **G** 1998 and 1999
- **H** 2001 and 2002
- **J** 2002 and 2003

39 What value of m makes this number sentence true?

$$m - 5 = 35$$

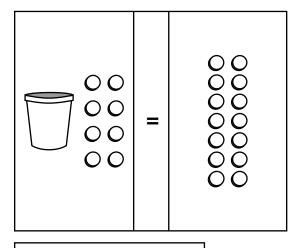
- **A** 175
- **B** 40
- **C** 30
- **D** 7

40 Which word describes the boxed number?

$$\boxed{8}x = y$$

- **F** Term
- **G** Variable
- **H** Equation
- **J** Coefficient

41 Based on the equation mat, what is the value for x?



Key:
$$\bigcirc = x$$
, $\bigcirc = 1$

- **A** 2
- **B** 6
- **C** 22
- **D** 112

42 What is the solution to the following?

$$\frac{n}{6} = 36$$

- **F** n = 6
- **G** n = 30
- **H** n = 42
- **J** n = 216

43 If the arithmetic pattern shown continues, what will be the 8th number?

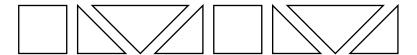
54, 48, 42, 36, ...

- **A** 34
- **B** 30
- **C** 12
- **D** 6

- 44 Which of the following numbers is *not* a perfect square?
 - **F** 49
 - **G** 90
 - **H** 121
 - **J** 144

- 45 Which of the following is equivalent to $6 \times 6 \times 6 \times 6 \times 6 \times 6$?
 - **A** 36^6
 - **B** 30⁶
 - **C** 6⁵
 - **D** 5^6

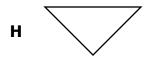
| 46 | This | nattern | roneats | after the | first for | ur shapes. |
|----|-------|---------|---------|-----------|-----------|------------|
| 40 | 11115 | pattern | repeats | arter the | HITSL IO | ar Snapes. |

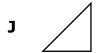


What should be the 11th shape in this repeating pattern?

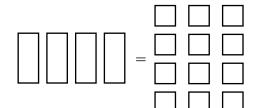








47 What number sentence is modeled by the shapes shown?



- **A** x + 4 = 12
- **B** 4x = 12
- **C** 4x = 3
- **D** x = 9

48 What is the 10th term in the increasing pattern shown?

- **F** 144
- **G** 89
- **H** 55
- **J** 34

49 Which could be the rule for the following pattern?

1,000 100 10 1 0.1 0.01

- **A** Divide the previous number by 10.
- **B** Multiply the previous number by 10.
- **C** Subtract 900 from the previous number.
- **D** Add 0.09 to the previous number.

- 50 Which of these is the variable in the number sentence 4x + 3 = 8?
 - **F** 4
 - **G** 3
 - H +
 - \mathbf{J} x

Answer Key-6073-M0110

| Number Correct Answer Category Reporting Category Description 1 C 002 Computation and Estimation 3 C 002 Computation and Estimation 4 G 002 Computation and Estimation 5 A 002 Computation and Estimation 6 G 002 Computation and Estimation 7 D 002 Computation and Estimation 8 F 002 Computation and Estimation 9 D 002 Computation and Estimation 10 H 002 Computation and Estimation 10 H 002 Computation and Estimation 11 B 001 Number and Number Sense 12 J 001 Number and Number Sense 13 B 001 Number and Number Sense 14 H 001 Number and Number Sense 15 A 001 Number and Number Sense 16 F 001 | Answer Key-6073-M0110 | | | | |
|---|-----------------------|---|-----------|----------------------------------|--|
| 1 | Test Sequence | | Reporting | | |
| 2 | | | ~ • | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 A 002 Computation and Estimation 6 G 002 Computation and Estimation 7 D 002 Computation and Estimation 8 F 002 Computation and Estimation 10 II 002 Computation and Estimation 11 B 001 Number and Number Sense 12 J 001 Number and Number Sense 13 B 001 Number and Number Sense 14 H 001 Number and Number Sense 15 A 001 Number and Number Sense 16 F 001 Number and Number Sense 17 D 001 Number and Number Sense 18 G 001 Number and Number Sense 19 A 003 Measurement and Geometry 20 G 003 Measurement and Geometry 21 D 003 Measurement and Geometry 22 F 003 Measurement and Geometry <td></td> <td></td> <td></td> <td><u> </u></td> | | | | <u> </u> | |
| 6 G 002 Computation and Estimation 7 D 002 Computation and Estimation 8 F 002 Computation and Estimation 9 D 002 Computation and Estimation 10 H 002 Computation and Estimation 10 H 002 Computation and Estimation 11 B 001 Number and Number Sense 12 J 001 Number and Number Sense 13 B 001 Number and Number Sense 14 H 001 Number and Number Sense 15 A 001 Number and Number Sense 16 F 001 Number and Number Sense 18 G 001 Number and Number Sense 19 A 003 Measurement and Geometry 20 G 003 Measurement and Geometry 21 D 003 Measurement and Geometry 22 F 003 Measurement and Geometry </td <td></td> <td></td> <td></td> <td></td> | | | | | |
| 7 D 002 Computation and Estimation 8 F 002 Computation and Estimation 9 D 002 Computation and Estimation 10 H 002 Computation and Estimation 11 B 001 Number and Number Sense 12 J 001 Number and Number Sense 13 B 001 Number and Number Sense 14 H 001 Number and Number Sense 15 A 001 Number and Number Sense 16 F 001 Number and Number Sense 17 D 001 Number and Number Sense 18 G 001 Number and Number Sense 19 A 003 Measurement and Geometry 20 G 003 Measurement and Geometry 21 D 003 Measurement and Geometry 22 F 003 Measurement and Geometry 23 B 003 Measurement and Geometry | | | | | |
| 8 F 002 Computation and Estimation 9 D 002 Computation and Estimation 10 H 002 Computation and Estimation 11 B 001 Number and Number Sense 12 J 001 Number and Number Sense 13 B 001 Number and Number Sense 14 H 001 Number and Number Sense 15 A 001 Number and Number Sense 16 F 001 Number and Number Sense 17 D 001 Number and Number Sense 18 G 001 Number and Number Sense 19 A 003 Measurement and Geometry 20 G 003 Measurement and Geometry 21 D 003 Measurement and Geometry 22 F 003 Measurement and Geometry 23 B 003 Measurement and Geometry 24 J 003 Measurement and Geometry | | | | | |
| 9 | | | | | |
| 10 | | | 002 | | |
| 11 | | | | | |
| 12 | | | | | |
| 13 | | В | | | |
| 14 | | | | | |
| 15 | | | | | |
| 16 | | Н | 001 | | |
| 17 | 15 | | 001 | | |
| Number and Number Sense 19 | | F | 001 | Number and Number Sense | |
| 19 | 17 | D | 001 | | |
| 20 | 18 | G | 001 | Number and Number Sense | |
| D | 19 | A | 003 | Measurement and Geometry | |
| Probability and Statistics | 20 | G | 003 | Measurement and Geometry | |
| 23 B 003 Measurement and Geometry 24 J 003 Measurement and Geometry 25 C 003 Measurement and Geometry 26 H 003 Measurement and Geometry 27 A 003 Measurement and Geometry 28 J 003 Measurement and Geometry 29 A 003 Measurement and Geometry 30 G 003 Measurement and Geometry 31 A 004 Probability and Statistics 32 H 004 Probability and Statistics 33 C 004 Probability and Statistics 34 J 004 Probability and Statistics 35 C 004 Probability and Statistics 36 F 004 Probability and Statistics 37 A 004 Probability and Statistics 38 J 004 Probability and Statistics 39 B 005 Patterns, F | 21 | D | 003 | Measurement and Geometry | |
| 24 J 003 Measurement and Geometry 25 C 003 Measurement and Geometry 26 H 003 Measurement and Geometry 27 A 003 Measurement and Geometry 28 J 003 Measurement and Geometry 29 A 003 Measurement and Geometry 30 G 003 Measurement and Geometry 31 A 004 Probability and Statistics 32 H 004 Probability and Statistics 33 C 004 Probability and Statistics 34 J 004 Probability and Statistics 35 C 004 Probability and Statistics 36 F 004 Probability and Statistics 37 A 004 Probability and Statistics 38 J 004 Probability and Statistics 39 B 005 Patterns, Functions, and Algebra 40 J 005 Pat | 22 | F | 003 | Measurement and Geometry | |
| 25 C 003 Measurement and Geometry 26 H 003 Measurement and Geometry 27 A 003 Measurement and Geometry 28 J 003 Measurement and Geometry 29 A 003 Measurement and Geometry 30 G 003 Measurement and Geometry 31 A 004 Probability and Geometry 31 A 004 Probability and Statistics 32 H 004 Probability and Statistics 33 C 004 Probability and Statistics 34 J 004 Probability and Statistics 35 C 004 Probability and Statistics 36 F 004 Probability and Statistics 37 A 004 Probability and Statistics 38 J 004 Probability and Statistics 39 B 005 Patterns, Functions, and Algebra 40 J 005 Pat | 23 | В | 003 | Measurement and Geometry | |
| 26 H 003 Measurement and Geometry 27 A 003 Measurement and Geometry 28 J 003 Measurement and Geometry 29 A 003 Measurement and Geometry 30 G 003 Measurement and Geometry 31 A 004 Probability and Statistics 32 H 004 Probability and Statistics 33 C 004 Probability and Statistics 34 J 004 Probability and Statistics 35 C 004 Probability and Statistics 36 F 004 Probability and Statistics 37 A 004 Probability and Statistics 38 J 004 Probability and Statistics 39 B 005 Patterns, Functions, and Algebra 40 J 005 Patterns, Functions, and Algebra 41 B 005 Patterns, Functions, and Algebra 42 J 005 | 24 | J | 003 | Measurement and Geometry | |
| 27 A 003 Measurement and Geometry 28 J 003 Measurement and Geometry 29 A 003 Measurement and Geometry 30 G 003 Measurement and Geometry 31 A 004 Probability and Statistics 32 H 004 Probability and Statistics 33 C 004 Probability and Statistics 34 J 004 Probability and Statistics 35 C 004 Probability and Statistics 36 F 004 Probability and Statistics 37 A 004 Probability and Statistics 38 J 004 Probability and Statistics 39 B 005 Patterns, Functions, and Algebra 40 J 005 Patterns, Functions, and Algebra 41 B 005 Patterns, Functions, and Algebra 42 J 005 Patterns, Functions, and Algebra 43 C | 25 | C | 003 | Measurement and Geometry | |
| 28 J 003 Measurement and Geometry 29 A 003 Measurement and Geometry 30 G 003 Measurement and Geometry 31 A 004 Probability and Statistics 32 H 004 Probability and Statistics 33 C 004 Probability and Statistics 34 J 004 Probability and Statistics 35 C 004 Probability and Statistics 36 F 004 Probability and Statistics 37 A 004 Probability and Statistics 38 J 004 Probability and Statistics 39 B 005 Patterns, Functions, and Algebra 40 J 005 Patterns, Functions, and Algebra 40 J 005 Patterns, Functions, and Algebra 41 B 005 Patterns, Functions, and Algebra 42 J 005 Patterns, Functions, and Algebra 43 C | 26 | Н | 003 | Measurement and Geometry | |
| 29 A 003 Measurement and Geometry 30 G 003 Measurement and Geometry 31 A 004 Probability and Statistics 32 H 004 Probability and Statistics 33 C 004 Probability and Statistics 34 J 004 Probability and Statistics 35 C 004 Probability and Statistics 36 F 004 Probability and Statistics 37 A 004 Probability and Statistics 38 J 004 Probability and Statistics 39 B 005 Patterns, Functions, and Algebra 40 J 005 Patterns, Functions, and Algebra 41 B 005 Patterns, Functions, and Algebra 42 J 005 Patterns, Functions, and Algebra 43 C 005 Patterns, Functions, and Algebra 44 G 005 Patterns, Functions, and Algebra 45 C </td <td>27</td> <td>A</td> <td>003</td> <td>Measurement and Geometry</td> | 27 | A | 003 | Measurement and Geometry | |
| 30 G 003 Measurement and Geometry 31 A 004 Probability and Statistics 32 H 004 Probability and Statistics 33 C 004 Probability and Statistics 34 J 004 Probability and Statistics 35 C 004 Probability and Statistics 36 F 004 Probability and Statistics 37 A 004 Probability and Statistics 38 J 004 Probability and Statistics 39 B 005 Patterns, Functions, and Algebra 40 J 005 Patterns, Functions, and Algebra 41 B 005 Patterns, Functions, and Algebra 42 J 005 Patterns, Functions, and Algebra 43 C 005 Patterns, Functions, and Algebra 44 G 005 Patterns, Functions, and Algebra 45 C 005 Patterns, Functions, and Algebra 46 | 28 | J | 003 | Measurement and Geometry | |
| 31 A 004 Probability and Statistics 32 H 004 Probability and Statistics 33 C 004 Probability and Statistics 34 J 004 Probability and Statistics 35 C 004 Probability and Statistics 36 F 004 Probability and Statistics 37 A 004 Probability and Statistics 38 J 004 Probability and Statistics 39 B 005 Patterns, Functions, and Algebra 40 J 005 Patterns, Functions, and Algebra 41 B 005 Patterns, Functions, and Algebra 42 J 005 Patterns, Functions, and Algebra 43 C 005 Patterns, Functions, and Algebra 44 G 005 Patterns, Functions, and Algebra 45 C 005 Patterns, Functions, and Algebra 46 H 005 Patterns, Functions, and Algebra 47 | 29 | A | 003 | Measurement and Geometry | |
| 32 H 004 Probability and Statistics 33 C 004 Probability and Statistics 34 J 004 Probability and Statistics 35 C 004 Probability and Statistics 36 F 004 Probability and Statistics 37 A 004 Probability and Statistics 38 J 004 Probability and Statistics 39 B 005 Patterns, Functions, and Algebra 40 J 005 Patterns, Functions, and Algebra 41 B 005 Patterns, Functions, and Algebra 42 J 005 Patterns, Functions, and Algebra 43 C 005 Patterns, Functions, and Algebra 44 G 005 Patterns, Functions, and Algebra 45 C 005 Patterns, Functions, and Algebra 46 H 005 Patterns, Functions, and Algebra 47 B 005 Patterns, Functions, and Algebra 4 | 30 | G | 003 | Measurement and Geometry | |
| 33 C 004 Probability and Statistics 34 J 004 Probability and Statistics 35 C 004 Probability and Statistics 36 F 004 Probability and Statistics 37 A 004 Probability and Statistics 38 J 004 Probability and Statistics 39 B 005 Patterns, Functions, and Algebra 40 J 005 Patterns, Functions, and Algebra 41 B 005 Patterns, Functions, and Algebra 42 J 005 Patterns, Functions, and Algebra 43 C 005 Patterns, Functions, and Algebra 44 G 005 Patterns, Functions, and Algebra 45 C 005 Patterns, Functions, and Algebra 46 H 005 Patterns, Functions, and Algebra 47 B 005 Patterns, Functions, and Algebra 48 H 005 Patterns, Functions, and Algebra | 31 | A | 004 | Probability and Statistics | |
| 34 J 004 Probability and Statistics 35 C 004 Probability and Statistics 36 F 004 Probability and Statistics 37 A 004 Probability and Statistics 38 J 004 Probability and Statistics 39 B 005 Patterns, Functions, and Algebra 40 J 005 Patterns, Functions, and Algebra 41 B 005 Patterns, Functions, and Algebra 42 J 005 Patterns, Functions, and Algebra 43 C 005 Patterns, Functions, and Algebra 44 G 005 Patterns, Functions, and Algebra 45 C 005 Patterns, Functions, and Algebra 46 H 005 Patterns, Functions, and Algebra 47 B 005 Patterns, Functions, and Algebra 48 H 005 Patterns, Functions, and Algebra | 32 | Н | 004 | Probability and Statistics | |
| 35 C 004 Probability and Statistics 36 F 004 Probability and Statistics 37 A 004 Probability and Statistics 38 J 004 Probability and Statistics 39 B 005 Patterns, Functions, and Algebra 40 J 005 Patterns, Functions, and Algebra 41 B 005 Patterns, Functions, and Algebra 42 J 005 Patterns, Functions, and Algebra 43 C 005 Patterns, Functions, and Algebra 44 G 005 Patterns, Functions, and Algebra 45 C 005 Patterns, Functions, and Algebra 46 H 005 Patterns, Functions, and Algebra 47 B 005 Patterns, Functions, and Algebra 48 H 005 Patterns, Functions, and Algebra | 33 | C | 004 | Probability and Statistics | |
| 36 F 004 Probability and Statistics 37 A 004 Probability and Statistics 38 J 004 Probability and Statistics 39 B 005 Patterns, Functions, and Algebra 40 J 005 Patterns, Functions, and Algebra 41 B 005 Patterns, Functions, and Algebra 42 J 005 Patterns, Functions, and Algebra 43 C 005 Patterns, Functions, and Algebra 44 G 005 Patterns, Functions, and Algebra 45 C 005 Patterns, Functions, and Algebra 46 H 005 Patterns, Functions, and Algebra 47 B 005 Patterns, Functions, and Algebra 48 H 005 Patterns, Functions, and Algebra | 34 | J | 004 | Probability and Statistics | |
| 37 A 004 Probability and Statistics 38 J 004 Probability and Statistics 39 B 005 Patterns, Functions, and Algebra 40 J 005 Patterns, Functions, and Algebra 41 B 005 Patterns, Functions, and Algebra 42 J 005 Patterns, Functions, and Algebra 43 C 005 Patterns, Functions, and Algebra 44 G 005 Patterns, Functions, and Algebra 45 C 005 Patterns, Functions, and Algebra 46 H 005 Patterns, Functions, and Algebra 47 B 005 Patterns, Functions, and Algebra 48 H 005 Patterns, Functions, and Algebra | 35 | C | 004 | Probability and Statistics | |
| 38 J 004 Probability and Statistics 39 B 005 Patterns, Functions, and Algebra 40 J 005 Patterns, Functions, and Algebra 41 B 005 Patterns, Functions, and Algebra 42 J 005 Patterns, Functions, and Algebra 43 C 005 Patterns, Functions, and Algebra 44 G 005 Patterns, Functions, and Algebra 45 C 005 Patterns, Functions, and Algebra 46 H 005 Patterns, Functions, and Algebra 47 B 005 Patterns, Functions, and Algebra 48 H 005 Patterns, Functions, and Algebra | 36 | F | 004 | Probability and Statistics | |
| 39 B 005 Patterns, Functions, and Algebra 40 J 005 Patterns, Functions, and Algebra 41 B 005 Patterns, Functions, and Algebra 42 J 005 Patterns, Functions, and Algebra 43 C 005 Patterns, Functions, and Algebra 44 G 005 Patterns, Functions, and Algebra 45 C 005 Patterns, Functions, and Algebra 46 H 005 Patterns, Functions, and Algebra 47 B 005 Patterns, Functions, and Algebra 48 H 005 Patterns, Functions, and Algebra | 37 | A | 004 | Probability and Statistics | |
| 39 B 005 Patterns, Functions, and Algebra 40 J 005 Patterns, Functions, and Algebra 41 B 005 Patterns, Functions, and Algebra 42 J 005 Patterns, Functions, and Algebra 43 C 005 Patterns, Functions, and Algebra 44 G 005 Patterns, Functions, and Algebra 45 C 005 Patterns, Functions, and Algebra 46 H 005 Patterns, Functions, and Algebra 47 B 005 Patterns, Functions, and Algebra 48 H 005 Patterns, Functions, and Algebra | 38 | J | 004 | Probability and Statistics | |
| 41 B 005 Patterns, Functions, and Algebra 42 J 005 Patterns, Functions, and Algebra 43 C 005 Patterns, Functions, and Algebra 44 G 005 Patterns, Functions, and Algebra 45 C 005 Patterns, Functions, and Algebra 46 H 005 Patterns, Functions, and Algebra 47 B 005 Patterns, Functions, and Algebra 48 H 005 Patterns, Functions, and Algebra | 39 | В | 005 | · | |
| 41 B 005 Patterns, Functions, and Algebra 42 J 005 Patterns, Functions, and Algebra 43 C 005 Patterns, Functions, and Algebra 44 G 005 Patterns, Functions, and Algebra 45 C 005 Patterns, Functions, and Algebra 46 H 005 Patterns, Functions, and Algebra 47 B 005 Patterns, Functions, and Algebra 48 H 005 Patterns, Functions, and Algebra | 40 | J | 005 | Patterns, Functions, and Algebra | |
| 42 J 005 Patterns, Functions, and Algebra 43 C 005 Patterns, Functions, and Algebra 44 G 005 Patterns, Functions, and Algebra 45 C 005 Patterns, Functions, and Algebra 46 H 005 Patterns, Functions, and Algebra 47 B 005 Patterns, Functions, and Algebra 48 H 005 Patterns, Functions, and Algebra | 41 | В | 005 | | |
| 43 C 005 Patterns, Functions, and Algebra 44 G 005 Patterns, Functions, and Algebra 45 C 005 Patterns, Functions, and Algebra 46 H 005 Patterns, Functions, and Algebra 47 B 005 Patterns, Functions, and Algebra 48 H 005 Patterns, Functions, and Algebra | 42 | J | 005 | · · · · · · · | |
| 44G005Patterns, Functions, and Algebra45C005Patterns, Functions, and Algebra46H005Patterns, Functions, and Algebra47B005Patterns, Functions, and Algebra48H005Patterns, Functions, and Algebra | | | | | |
| 45 C 005 Patterns, Functions, and Algebra 46 H 005 Patterns, Functions, and Algebra 47 B 005 Patterns, Functions, and Algebra 48 H 005 Patterns, Functions, and Algebra | | | | | |
| 46H005Patterns, Functions, and Algebra47B005Patterns, Functions, and Algebra48H005Patterns, Functions, and Algebra | | | | | |
| 47 B 005 Patterns, Functions, and Algebra 48 H 005 Patterns, Functions, and Algebra | | | | | |
| 48 H 005 Patterns, Functions, and Algebra | | | | | |
| | | | | · | |
| To the total auction, runctions, and Algebra | 49 | A | 005 | Patterns, Functions, and Algebra | |
| 50 J 005 Patterns, Functions, and Algebra | | | | | |

Grade 6 Math, Core 1

| If you get this | Then your |
|-----------------|-----------------|
| many items | converted scale |
| correct: | score is: |
| 0 | 000 |
| 1 | 028 |
| 2 | 083 |
| 3 | 117 |
| 4 | 141 |
| 5 | 161 |
| 6 | 177 |
| 7 | |
| | 192 |
| 8 | 205 |
| 9 | 217 |
| 10 | 227 |
| 11 | 238 |
| 12 | 247 |
| 13 | 256 |
| 14 | 265 |
| 15 | 273 |
| 16 | 281 |
| 17 | 289 |
| 18 | 297 |
| 19 | 304 |
| 20 | 312 |
| 21 | 319 |
| 22 | 326 |
| | 334 |
| 23 24 | |
| | 341 |
| 25 | 348 |
| 26 | 355 |
| 27 | 362 |
| 28 | 369 |
| 29 | 377 |
| 30 | 384 |
| 31 | 391 |
| 32 | 399 |
| 33 | 407 |
| 34 | 415 |
| 35 | 423 |
| 36 | 432 |
| 37 | 440 |
| 38 | 450 |
| 39 | 460 |
| 40 | 470 |
| 41 | 481 |
| | |
| 42 | 493 |
| 43 | 506 |
| 44 | 521 |
| 45 | 538 |
| 46 | 558 |
| 47 | 583 |
| 48 | 600 |
| 49 | 600 |
| 50 | 600 |
| | |

A total raw score (left column) is converted to a total scaled score (right column). The total scaled score may range from 0 to 600.

A scaled score of 400 or more means the student passed the SOL test, while a scaled score of 399 or less means the student did not pass the test. A scaled score of 500 or more indicates the student passed the SOL test at an advanced level.