SPECTRUM®
Test Practice

With Free Online Resources for each U.S. State

GRADE 7

CORRELATED TO THE
Common Core State Standards
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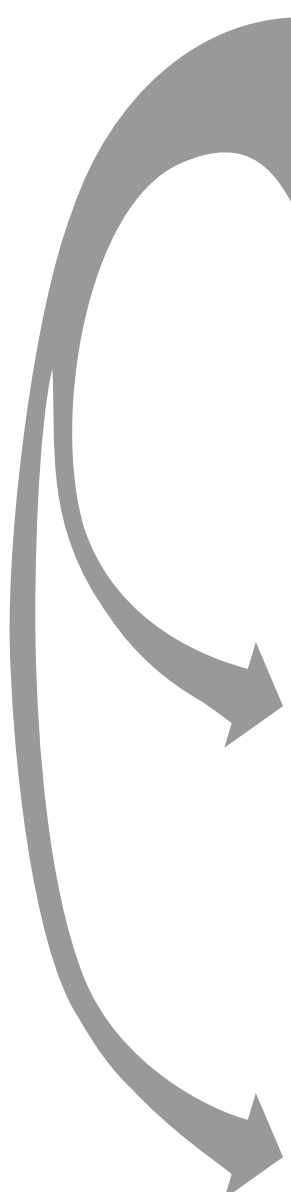
Comprehensive Practice for Standardized Tests

- Focused practice of the Common Core State Standards expectations for English language arts and mathematics

- Bonus online pages for customized practice aligned to your state and your child's grade level

- Comprehensive practice tests to prepare students for test-taking success

- Free online information about national and state-specific standards, and standardized testing support

The Common Core State Standards

What Are the Standards?

The Common Core State Standards have been adopted by most U.S. states. They were developed by a state-led initiative to make sure all students are prepared for success in college and in the global, twenty-first century workforce. They provide a clear understanding of what students are expected to learn in English language arts and mathematics.

These new learning standards for your child are:

- Rigorous.
- Based on the best available evidence and research.
- Aligned with college and work expectations.
- Benchmarked to the highest educational standards from around the world.

What Do the English Language Arts Standards Mean for My Student?

In grade 7, English language arts standards focus on reading, writing, speaking and listening, and language skills (grammar and usage).

These standards set expectations for what it means to be a skilled reader and writer in the twenty-first century. They provide strategies for reading fiction and nonfiction closely and attentively. They help students look for evidence and make critical judgments about the vast amount of print and digital information available.

What Do the Mathematics Standards Mean for My Student?

Examples of grade 7 mathematics standards include geometry (solving problems with area, surface area, and angles), and statistics and probability (comparing two populations).

These standards increase the depth and focus of math topics studied in each grade. Instead of sampling a wide variety of skills each year, students work to develop deep understanding and mastery of a few concepts.

How to Use This Book

Time spent practicing for standardized tests will benefit your child greatly. With the adoption of Common Core State Standards by most U.S. states, educators are relying more than ever on test results to compare your child's progress with that of others around the nation and the world. The resources in this book will help ease anxieties and prepare your child for test day.

What's Inside?

• **Lesson pages** contain sample questions and examples related to a specific skill. The assumption is that your student has received prior instruction on the topics. These pages can provide focused practice.

• **Sample tests** are shorter tests with questions about one subtopic.

• **Practice tests** are comprehensive tests with questions about the entire content area.

Practice Options

Choose how you will use the materials to meet the needs of your student.

    • Select pages matching the skills your student needs to practice most.

    • Assign lesson pages for practice throughout the week. End the week with a sample or practice test related to those skills.

    • Administer a timed practice test in a quiet setting. For a seventh grade student, allow 1.08 minutes per question. After the test, check answers together and talk about what was most difficult.

Test-Taking Clues

    • Look for the symbol shown above throughout the book. Talk about the clues with your child.

    • Read and review directions and examples. Talk about how test questions look and point out words and phrases that often appear in directions.

    • Skip difficult questions, returning to them if time allows.

    • Guess at questions you do not know.

    • Answer all the questions.

    • Try to stay relaxed and approach the test with confidence!

READING: VOCABULARY

● Lesson 1: Synonyms

Directions: Read each item. Choose the answer that means the same or about the same as the underlined word.

Examples

A. make a <u>pledge</u>

- (A) profit
- (B) trip
- (C) promise
- (D) comment

B. <u>visualize</u> the scene

- (F) forget
- (G) enjoy
- (H) imagine
- (J) recall

Clue **If an answer is too difficult, skip it and move on to the next item. Come back to the skipped items later.**

● Practice

1. <u>precise</u> measurement

- (A) accurate
- (B) incorrect
- (C) approximate
- (D) unnecessary

2. pleasant <u>encounter</u>

- (F) entertainment
- (G) meeting
- (H) weather
- (J) vacation

3. <u>reserve</u> a table

- (A) clear
- (B) save
- (C) polish
- (D) find

4. <u>preceded</u> the wedding

- (F) after
- (G) enjoying
- (H) before
- (J) attending

5. constant <u>interruption</u>

- (A) attention
- (B) thoughts
- (C) intrusion
- (D) motion

6. <u>invented</u> the automobile

- (F) created
- (G) preceded
- (H) allowed
- (J) initiated

7. recently <u>updated</u>

- (A) joined
- (B) modernized
- (C) learned
- (D) cloned

8. an <u>immediate</u> response

- (F) unequaled
- (G) unhurried
- (H) instantaneous
- (J) interesting

STOP

READING: VOCABULARY

● Lesson 2: Antonyms

Directions: Read each item. Choose the answer that means the opposite of the underlined word.

Examples

A. **cheerful attitude**
- (A) unhappy
- (B) joyful
- (C) indifferent
- (D) silent

B. **gentle disposition**
- (F) large
- (G) ungrateful
- (H) violent
- (J) breezy

Clue **If you are unsure if your answer is correct, make your best guess.**

● Practice

1. **ancient civilizations**
- (A) recent
- (B) old
- (C) immediate
- (D) destroyed

2. **found the handout**
- (F) established
- (G) misplaced
- (H) wrote
- (J) invented

3. **omit information**
- (A) include
- (B) examine
- (C) exclude
- (D) find

4. **lush jungle**
- (F) thick
- (G) dark
- (H) barren
- (J) unexplored

5. **withheld funds**
- (A) allowed
- (B) updated
- (C) adjusted
- (D) contributed

6. **conceal the answer**
- (F) reveal
- (G) hide
- (H) share
- (J) discuss

7. **inert ingredient**
- (A) added
- (B) stirred
- (C) flour
- (D) active

8. **minimize problems**
- (F) increase
- (G) decrease
- (H) challenging
- (J) word

STOP

Name _____ Date_____

Directions: Read each item. Choose the answer that means the same or about the same as the underlined word.

Examples

A. The <u>village</u> has only one school.
- (A) city
- (B) district
- (C) country
- (D) hamlet

B. When the employee stole money, he was <u>corrupt</u>.
- (F) dishonest
- (G) truthful
- (H) helpful
- (J) prosecuted

For numbers 1–2, read each item. Choose the answer that means the same or about the same as the underlined word.

1. Nick <u>insisted</u> that his friend read the book.
- (A) regarded
- (B) answer
- (C) pretended
- (D) urged

2. <u>Individuals</u> within the group had <u>different</u> points of view.
- (F) enabled
- (G) similar
- (H) varied
- (J) controlled

For numbers 3–6, read each item. Choose the answer that means the opposite of the underlined word.

3. That chemical is <u>volatile</u>!
- (A) stable
- (B) explosive
- (C) useful
- (D) puzzling

4. Joshua was filled with <u>sorrow</u> when his dog died.
- (F) danger
- (G) joy
- (H) passion
- (J) anger

5. How many answers were <u>correct</u>?
- (A) wrong
- (B) right
- (C) difficult
- (D) justified

6. It is <u>questionable</u> if it will rain on Saturday.
- (F) doubtful
- (G) uncertain
- (H) inevitable
- (J) possible

GO ON

READING: VOCABULARY
SAMPLE TEST (cont.)

For numbers 7–10, choose the correct meaning for the underlined word.

7.   When we eat, we <u>digest</u> food.

- (A) journal
- (B) absorb
- (C) inhale
- (D) chew

8.   Look at the picture on the computer <u>monitor</u>.

- (F) album
- (G) supervisor
- (H) system
- (J) screen

9.   Keep a <u>diary</u> of your daily activities.

- (A) autobiography
- (B) record
- (C) periodical
- (D) index

10.   That word adds <u>punch</u> to your sentence!

- (F) pungency
- (G) drinks
- (H) nothing
- (J) power

For numbers 11–14, find the word that fits each blank the best.

11.   We stayed at a _____ hotel, and we took a beach walk each day.

- (A) seaside
- (B) mountain
- (C) resort
- (D) cheap

12.   We got lost because we traveled a _____ way.

- (F) long
- (G) slow
- (H) special
- (J) roundabout

13.   He is so _____ that people enjoy spending time with him.

- (A) boring
- (B) unfriendly
- (C) congenial
- (D) unhappy

14.   The energy from the sun is _____ because it never stops shining.

- (F) hot
- (G) constant
- (H) dying
- (J) warm

STOP

MATH: MATH CONCEPTS

● Lesson 1: Numeration

Directions: Read and work each problem. Find the correct answer.

Examples

A. Which of these numbers is a common multiple of 4, 6, and 8?

- (A) 22
- (B) 24
- (C) 32
- (D) 18

B. Which of these is smaller than ⁻6

- (F) 4
- (G) ⁻4
- (H) ⁻8
- (J) 0

Clue Read each question carefully.

● Practice

1. Which point is at $\frac{1}{2}$ on this number line?

A B   C   D

$\frac{3}{10}$ $\frac{9}{10}$
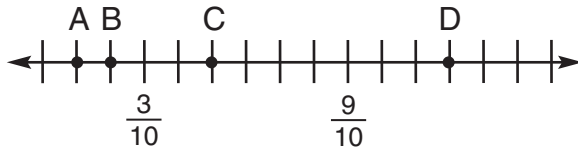
- (A) A
- (B) B
- (C) C
- (D) D

2. What number is expressed by $(3 \times 10^3) + (4 \times 10^2) + (8 \times 10^1)$

- (F) 3,408
- (G) 3,480
- (H) 34,800
- (J) 340,800

3. $\sqrt{144}$ =

- (A) 9
- (B) 10
- (C) 11
- (D) 12

4. Which of these is another way to write the number in the box?

42,000,000 + 600,000 + 40 + 8

- (F) 42,600,048
- (G) 42,640,008
- (H) 43,640,080
- (J) 42,064,800

GO ON

MATH: MATH CONCEPTS

● Lesson 1: Numeration (cont.)

5. **What is the prime factorization of 64?**
   - Ⓐ 8 x 8
   - Ⓑ 2 x 2 x 2 x 2 x 2 x 2
   - Ⓒ 2 x 32
   - Ⓓ 2 x 2 x 2 x 8

6. **Which of these is less than 11^2?**
   - Ⓕ 122
   - Ⓖ 112
   - Ⓗ 132
   - Ⓙ 142

7. **What is the value of the expression in the box?**

   $$12 - 4 \times 6 =$$

   - Ⓐ 8
   - Ⓑ ⁻9
   - Ⓒ ⁻12
   - Ⓓ 0

8. **Which of these is between 0.02 and 0.2 in value?**
   - Ⓕ 0.2
   - Ⓖ 0.008
   - Ⓗ 0.6
   - Ⓙ 0.06

9. **Which of these is another name for 8^3**
   - Ⓐ 8 x 3
   - Ⓑ 3 x 3 x 3 x 3 x 3 x 3 x 3 x 3
   - Ⓒ 8 x 8 x 8
   - Ⓓ 3

10. **$6.2 \times 10^3 =$**
    - Ⓕ 620
    - Ⓖ 6,200
    - Ⓗ 62,000
    - Ⓙ 620,000

11. **What is the *smallest* number that can be divided evenly by 8 and 16?**
    - Ⓐ 16
    - Ⓑ 128
    - Ⓒ 32
    - Ⓓ 24

12. **⁻7 + 9 =**
    - Ⓕ ⁻4
    - Ⓖ 2
    - Ⓗ 16
    - Ⓙ ⁻2

GO ON

MATH: MATH CONCEPTS

● Lesson 1: Numeration (cont.)

13. Which of these is the greatest common factor of 32 and 72?

- (A) 3
- (B) 12
- (C) 9
- (D) 8

14. How much must you add to ⁻8 to get a number greater than 12?

- (F) a number between ⁻4 and 14
- (G) a number less than 5
- (H) a number less than ⁻4
- (J) a number greater than 20

15. Which number is greater than 42,648 but less than 53,229?

- (A) 42,528
- (B) 41,872
- (C) 53,326
- (D) 48,269

16. Which number is 462 rounded to the nearest tenth?

- (F) 460
- (G) 465
- (H) 400
- (J) 500

17. Which number is 8,219 rounded to the nearest hundred?

- (A) 8,220
- (B) 8,000
- (C) 8,300
- (D) 8,200

Use the following double bar graph to answer questions 18–19.

Hot Lunch Consumption

Number of Students (y-axis: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90)

Mon. Tues. Wed. Thurs. Fri. (x-axis)

■ = seventh grade ☐ = eighth grade
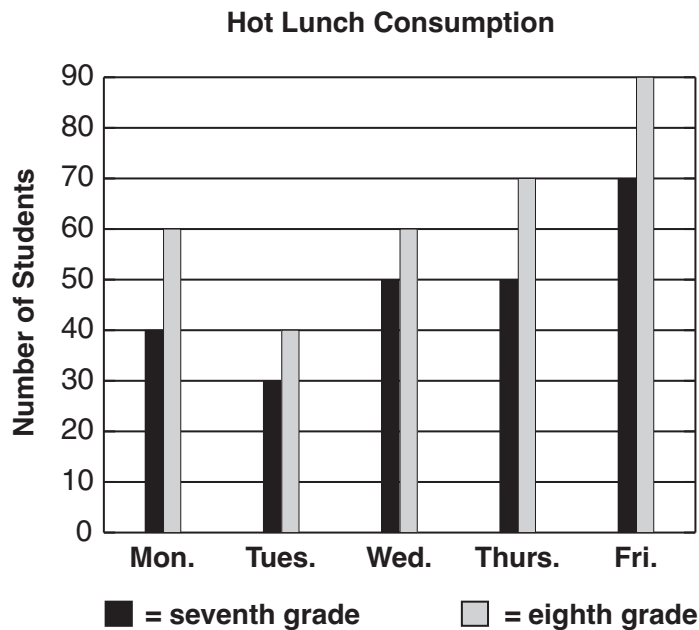
18. On which day do the most students buy lunch?

- (F) Tuesday
- (G) Friday
- (H) Monday
- (J) Wednesday

19. How many total lunches are purchased on Tuesday and Thursday?

- (A) 120
- (B) 80
- (C) 190
- (D) 200

STOP

MATH: MATH CONCEPTS

● Lesson 2: Number Concepts

Directions: Read and work each problem. Find the correct answer.

Examples

A. How would you read 9.6?

- (A) nine and six tenths
- (B) ninety six
- (C) nine and six hundredths
- (D) nine hundred and six

B. Which of these is a composite number?

- (F) 3
- (G) 19
- (H) 5
- (J) 24

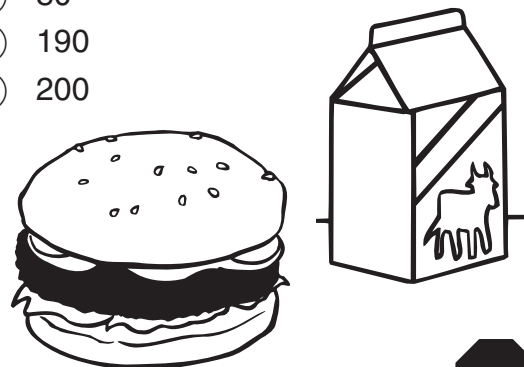**Clue** Key words, numbers, pictures, and figures will help you find the answers.

● Practice

1. 10,435 + 13,456 =

- (A) 12,000
- (B) 23,891
- (C) 22,000
- (D) 24,635

2. Which describes the underlined portion in the numeral 21,648,362?

- (F) thousands
- (G) tens of thousands
- (H) hundreds of thousands
- (J) millions

3. What number goes in the blank to make the number sentence true?

3 x (1 + 6) = (3 x 1) + (__ x 6)

- (A) 3
- (B) 0
- (C) 6
- (D) 1

4. What is 0.89 rounded to the nearest tenth?

- (F) 0.089
- (G) 0.85
- (H) 0.80
- (J) 0.9

GO ON

● Lesson 2: Number Concepts (cont.)

5. Which of these is a prime number?

(A) 27

(B) 37

(C) 21

(D) 35

6. What number completes this number sentence?

6 x 20 = 10 x _____

(F) 6

(G) 12

(H) 16

(J) 60

7. Which of these is another way to write the number shown in the box?

| 500 + 40 + 0.3 + 0.01 |

(A) 540.13

(B) 543.10

(C) 54.31

(D) 540.31

8. Look carefully at the number pattern below. Which of these number sentences could be used to find the number that is missing from the number pattern?

| 2, 4, 6, 8, 10, 12, 14, _____, 18 |

(F) 14 + 4 = 18

(G) 18 − 4 = 14

(H) 14 + 2 =16

(J) 16 + 2 =18

9. 3,245 − 2,678 =

(A) 267

(B) 432

(C) 567

(D) 523

10. How much would the value of 624,008 be decreased by changing the 6 to a 5?

(F) 24,000

(G) 10,000

(H) 100,000

(J) 60,000

11. Ten million, two hundred six =

(A) 10,000,206

(B) 10,206,000

(C) 10,026,000

(D) 1,260,000

12. Look at the group of numbers in the box. Which statement about the numbers is true?

| 5, 7, 13, 17, 25 |

(F) All of them are prime numbers.

(G) None of the numbers are odd.

(H) All of the numbers are even.

(J) None of the numbers can be divided evenly by 4.

GO ON

MATH: MATH CONCEPTS

● Lesson 2: Number Concepts (cont.)

13. What is the median of these numbers?

79 95 65 88 72

- Ⓐ 79
- Ⓑ 65
- Ⓒ 88
- Ⓓ 72

14. What is the average of these numbers?

6 24 32 15 18

- Ⓕ 24
- Ⓖ 95
- Ⓗ 19
- Ⓙ 32

15. What is 230.7 in expanded form?

- Ⓐ 2000 + 30 + 70
- Ⓑ 200 + 3 + 7.0
- Ⓒ 200 + 3 + 70
- Ⓓ 200 + 30 + 0.7

16. 28 − (3 + 6) x 3 =

- Ⓕ 57
- Ⓖ 18
- Ⓗ 1
- Ⓙ 3

17. What would be an appropriate integer to describe a $10.00 reduction?

- Ⓐ $^-1$
- Ⓑ $^-10$
- Ⓒ 10
- Ⓓ $^-11$

18. How would you write 4,800 in scientific notation?

- Ⓕ 4.8×10^3
- Ⓖ 48×10
- Ⓗ 48×10^3
- Ⓙ 4.8×10^2

19. What is the rule for the following pattern?

$\frac{6}{3}$ $\frac{9}{4.5}$ $\frac{12}{6}$ $\frac{20}{10}$ $\frac{50}{25}$

- Ⓐ denominator is twice the numerator
- Ⓑ numerators increase by threes
- Ⓒ the numbers increase
- Ⓓ numerator is twice the denominator

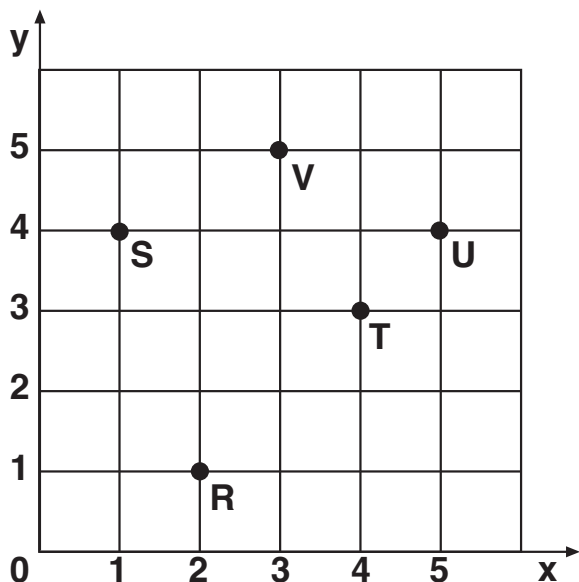**20.** 34,654 + 3,768 =

- Ⓕ 39,456
- Ⓖ 37,986
- Ⓗ 38,422
- Ⓙ 38,232

STOP

Name _____   Date_____

Use the coordinate graph to answer questions 5 and 6.

5.   What point is at (3, 5)?

- (A) R
- (B) S
- (C) V
- (D) T

6.   What are the coordinates of point S?

- (F) (4,1)
- (G) (2,1)
- (H) (4,3)
- (J) (1,4)

7.   Which angle is a right angle?
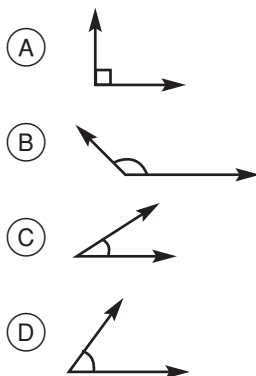
8.   A round table has a diameter of 6 feet. What is the circumference of the table? Remember π = 3.14 and C = π x *d*.

- (F) 18.00 feet
- (G) 6.34 feet
- (H) 12.00 feet
- (J) 18.84 feet

9.   What is the surface area of a cube if an edge is 8 centimeters long?

- (A) 64 cm²
- (B) 328 cm²
- (C) 384 cm²
- (D) 24 cm²

10. What is the average weight of three packages that weigh 120, 69, and 83 pounds?

- (F) 90.7 pounds
- (G) 85 pounds
- (H) 98.3 pounds
- (J) 99 pounds

11. You know the measurements of 2 angles in a triangle. They are 72 degrees and 42 degrees. What is the measurement of the third angle?

- (A) 66 degrees
- (B) 27 degrees
- (C) 114 degrees
- (D) 14 degrees

GO ON

MATH: APPLICATIONS
SAMPLE TEST (cont.)

12. The distance around a mall is 1,800 yards. Which of these could be the length and width of the mall?

- (F) 600 yards and 100 yards
- (G) 500 yards and 400 yards
- (H) 200 yards and 500 yards
- (J) 400 yards and 200 yards

13. If $60y = {}^-120$, then $y =$

- (A) 2
- (B) 60
- (C) $^-2$
- (D) $^-60$

14. Which equation means, "A number divided by itself is 1"?

- (F) $y \div y = 1$
- (G) $1 \div y = y$
- (H) $y^2 = 1$
- (J) $y \div 1 = y$

15. On a canoe trip with his family, Pete travels an average of 27 miles a day. If the final destination is 140 miles away, about how long will it take Pete to get there?

- (A) 2 days
- (B) 7 days
- (C) 5 days
- (D) 12 days

Use the line graph below to answer the questions 16–18.

CDs PURCHASED AT CITY MIDDLE SCHOOL
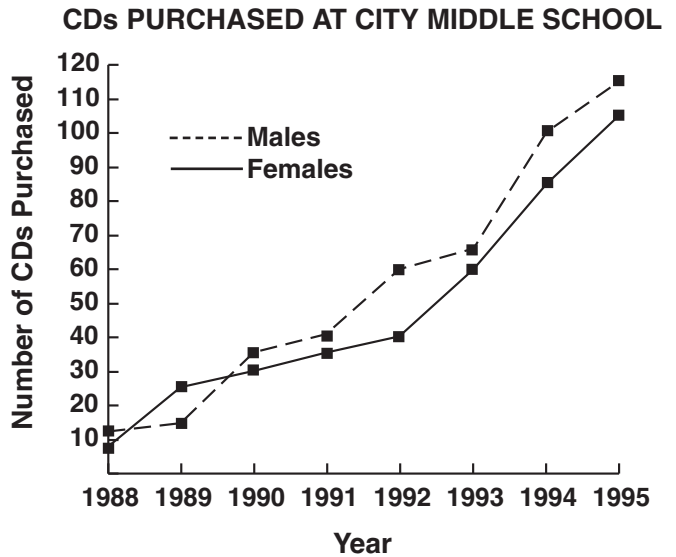
16. How many CDs did the female students buy in 1990 and 1991?

- (F) about 100
- (G) about 65
- (H) about 43
- (J) about 35

17. In which year did the students buy 185 CDs?

- (A) 1988
- (B) 1990
- (C) 1994
- (D) 1992

18. How many CDs did the boys buy in 1990 and 1992?

- (F) 95
- (G) 60
- (H) 35
- (J) 80

STOP

Name _____ Date_____

MATH PRACTICE TEST

● **Part 1: Concepts**

Directions: Read each problem carefully. Select the correct answer.

Examples

A. What is another way to write
40,000,000 + 6,000,000 + 30,000 +
200 + 2?

   Ⓐ 46,322
   Ⓑ 4,603,020
   Ⓒ 46,030,202
   Ⓓ 40,632,200

B. Which of these decimals is less than
2.775 and greater than 1.865?

   Ⓕ 0.612
   Ⓖ 2.235
   Ⓗ 1.635
   Ⓙ 0.023

---

1. Which of the following is another

name for $\frac{19}{5}$?

   Ⓐ $3\frac{4}{5}$

   Ⓑ $2\frac{4}{5}$

   Ⓒ $3\frac{5}{19}$

   Ⓓ $3\frac{19}{5}$

2. Which of these is a factor of
16, 32, and 64?

   Ⓕ 3
   Ⓖ 8
   Ⓗ 5
   Ⓙ 6

3. Which of these number sentences
could be used to find the missing
number in the pattern below?

1, 4, 7, 10, 13, 16, _____, 22

   Ⓐ 19 − 6 = 13
   Ⓑ 16 − 3 = 13
   Ⓒ 16 + 3 = 19
   Ⓓ 21 − 4 = 18

4. Which of these is the best estimate of
the percentage of the circle that is
not shaded?

   Ⓕ 50%
   Ⓖ 25%
   Ⓗ 33%
   Ⓙ 75%

5. $4.2 \times 10^3 =$

   Ⓐ 42
   Ⓑ 42,000
   Ⓒ 4,200
   Ⓓ 420

6. $6^3 − 24 =$

   Ⓕ 192
   Ⓖ 292
   Ⓗ 0
   Ⓙ 12

GO ON
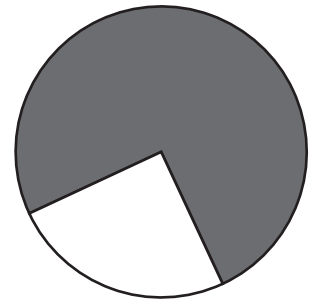
MATH PRACTICE TEST
Part 1: Concepts (cont.)

7. Which of these is <u>not</u> another way to write $\frac{18}{24}$?

    A. 0.25

    B. 75%

    C. $\frac{3}{4}$

    D. 0.75

8. What is the prime factorization of 32?

    F. 2 x 2 x 2 x 2

    G. 2 x 2 x 2 x 2 x 2

    H. 2 x 2 x 2 x 3

    J. 2 x 2 x 2 x 2 x 2 x 2

9. Which of these is the best estimate of

    25.15 x 5 $\frac{6}{7}$

    A. 25 x 6

    B. 24 x 5

    C. 26 x 7

    D. 25 x 4

10. Which of these is another way to write 0.12?

    F. 1.2%

    G. 0.012

    H. 120%

    J. 12%

11. What should replace the box in the equation

    21,014 = 20,000 + □ + 10 + 4

    A. 0

    B. 10

    C. 100

    D. 1,000

12. Which of these is two ten-thousandths?

    F. 0.0002

    G. 0.0020

    H. 2.0000

    J. 0.2000

13. What does the *n* in the equation below stand for?

    (*n* + 6) x 8 = (8 x 2) + (8 x 6)

    A. 3

    B. 2

    C. 4

    D. 6

14. $\sqrt{256}$ =

    F. 18

    G. 12

    H. 14

    J. 16

STOP

Name _____ Date_____

● Part 2: Computation

Directions: Read each problem carefully. Select the correct answer.

Examples

A.	**46.87 + 59.06 =**	(A)	104.96
		(B)	105.93
		(C)	103.03
		(D)	113.26

B.	**83 – 0.59 =**	(F)	82.41
		(G)	81.98
		(H)	82.64
		(J)	83.02

1. **0.863 + 0.136 =**
(A) 0.899
(B) 0.789
(C) 0.999
(D) 0.629

5. **24.6929 x 10 =**
(A) 24.6
(B) 2.46
(C) 246.929
(D) 246.299

2. **21.2 x 63 =**
(F) 1,233.1
(G) 2,611.4
(H) 1,235.2
(J) 1,335.6

6. **72.05 + 0.008 =**
(F) 71.063
(G) 72.058
(H) 72.896
(J) 70.113

3. **25 x 0.25 =**
(A) 6.25
(B) 6
(C) 5.50
(D) 6.75

7. **34.37 ÷ 5 =**
(A) 6.874
(B) 6.213
(C) 5.999
(D) 8.245

4. **3.6 ÷ 12 =**
(F) 3
(G) 0.6
(H) 0.2
(J) 0.3

8. **0.056 x 100 =**
(F) 5
(G) 5.2
(H) 4.8
(J) 5.6

GO ON

MATH PRACTICE TEST
Part 2: Computation (cont.)

9.   4 x 12 ÷ 6 =

　　　Ⓐ   8

　　　Ⓑ   10

　　　Ⓒ   6

　　　Ⓓ   4

10. $4\frac{4}{5}$ + $3\frac{2}{5}$ =

　　　Ⓕ $7\frac{1}{6}$

　　　Ⓖ $8\frac{2}{5}$

　　　Ⓗ $8\frac{1}{5}$

　　　Ⓙ $6\frac{2}{3}$

11. $1\frac{3}{4}$ + $2\frac{3}{4}$ + $1\frac{1}{4}$ =

　　　Ⓐ $5\frac{1}{2}$

　　　Ⓑ $5\frac{3}{4}$

　　　Ⓒ $4\frac{3}{4}$

　　　Ⓓ $3\frac{1}{3}$

12.   10,469 + 9,400 + 32 =

　　　Ⓕ   19,000

　　　Ⓖ   18,469

　　　Ⓗ   19,901

　　　Ⓙ   19,981

13.   0.20 x 5 =

　　　Ⓐ   1

　　　Ⓑ   2

　　　Ⓒ   4

　　　Ⓓ   3

14. $20\frac{3}{4}$ − $3\frac{1}{4}$ =

　　　Ⓕ $17\frac{1}{2}$

　　　Ⓖ $16\frac{3}{4}$

　　　Ⓗ $15\frac{1}{2}$

　　　Ⓙ $17\frac{3}{4}$

15.   14% of 30 =

　　　Ⓐ   4.4

　　　Ⓑ   2.6

　　　Ⓒ   4.8

　　　Ⓓ   4.2

16.   85% of 110 =

　　　Ⓕ   93.25

　　　Ⓖ   92.10

　　　Ⓗ   94.6

　　　Ⓙ   93.5

17.   0.2 x 95 =

　　　Ⓐ   19

　　　Ⓑ   21

　　　Ⓒ   17

　　　Ⓓ   12

18.   4.5% of 17 =

　　　Ⓕ   0.832

　　　Ⓖ   0.765

　　　Ⓗ   0.236

　　　Ⓙ   0.625

STOP

Name _____ Date_____

● **Part 3: Applications**

Directions: Read each problem carefully. Select the correct answer.

Examples

A. The distance around a swimming pool is 90 feet. Which of these could be the length and width of the pool?

- (A) 20 feet and 15 feet
- (B) 15 feet and 40 feet
- (C) 30 feet and 15 feet
- (D) 25 feet and 25 feet

B. What is the surface area of a cube if an edge is 4 centimeters long?

- (F) 12 cm²
- (G) 96 cm²
- (H) 100 cm²
- (J) 36 cm²

---

1. An irregularly shaped pentagon has a perimeter of 764 meters. The pentagon has sides that are 129 meters, 365 meters, 24 meters, and 100 meters long. What is the length of the fifth side?

- (A) 146 meters
- (B) 177 meters
- (C) 1,389 meters
- (D) 22 meters

2. The perimeter of the room in which the party will take place is 70 feet. The width is 15 feet. What is the length?

- (F) 40 feet
- (G) 30 feet
- (H) 20 feet
- (J) 10 feet

3. What is the probability that this spinner will stop on 2?

- (A) $\frac{1}{4}$
- (B) $\frac{1}{3}$
- (C) $\frac{1}{2}$
- (D) 1
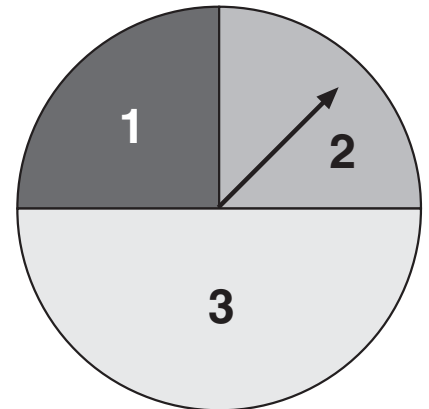
4. An angle of 86° is—

- (F) symmetric
- (G) right
- (H) obtuse
- (J) acute

GO ON

ANSWER KEY

READING: VOCABULARY
Lesson 1: Synonyms
• Page 7
- **A.** C
- **B.** H
- 1. A
- 2. G
- 3. B
- 4. H
- 5. C
- 6. F
- 7. B
- 8. H

Lesson 2: Antonyms
• Page 8
- **A.** A
- **B.** H
- 1. A
- 2. G
- 3. A
- 4. H
- 5. D
- 6. F
- 7. D
- 8. F

Lesson 3: Multi-Meaning Words
• Page 9
- **A.** D
- **B.** G
- 1. B
- 2. F
- 3. C
- 4. H
- 5. D
- 6. G
- 7. D

Lesson 4: Words in Context
• Page 10
- **A.** A
- **B.** H
- 1. B
- 2. J
- 3. A
- 4. H
- 5. B
- 6. F

Lesson 5: Affixes, Roots, and Word Relationships
• Page 11
- **A.** A
- **B.** J
- 1. D
- 2. H
- 3. C
- 4. H
- 5. B
- 6. J

Lesson 6: Connotations and Figures of Speech
• Page 12
- **A.** B
- **B.** F
- 1. D
- 2. G
- 3. C
- 4. H

SAMPLE TEST
• Pages 13–14
- **A.** D
- **B.** F
- 1. D
- 2. H
- 3. A
- 4. G
- 5. A
- 6. H
- 7. B
- 8. J
- 9. B
- 10. J
- 11. A
- 12. J
- 13. C
- 14. G

READING: READING COMPREHENSION
Lesson 7: Main Idea
• Page 15
- **A.** B
- 1. B
- 2. J

Lesson 8: Recalling Details
• Page 16
- **A.** A
- 1. B
- 2. J

Lesson 9: Inferencing
• Page 17
- **A.** C
- 1. D
- 2. F

Lesson 10: Fact and Opinion
• Page 18
- **A.** D
- 1. B
- 2. G

Lesson 11: Story Elements
• Page 19
- **A.** A
- 1. D
- 2. G

Lesson 12: Nonfiction
• Pages 20–21
- **A.** A
- 1. A
- 2. G
- 3. D
- 4. F
- 5. B
- 6. F

Lesson 13: Nonfiction
• Pages 22–23
- **A.** A
- 1. D
- 2. J
- 3. A
- 4. H
- 5. B
- 6. F

Lesson 14: Nonfiction
• Pages 24–25
- **A.** B
- 1. A
- 2. G

3. C
4. H
5. D
6. J

Lesson 15: Reading Informational Text
• Pages 26–29
- 1. C
- 2. F
- 3. D
- 4. F
- 5. B
- 6. J
- 7. C
- 8. F
- 9. D
- 10. F
- 11. D
- 12. F
- 13. B
- 14. H

Lesson 16: Fiction
• Pages 30–31
- **A.** A
- 1. A
- 2. J
- 3. B
- 4. J
- 5. C
- 6. J

Lesson 17: Fiction
• Pages 32–33
- **A.** A
- 1. A
- 2. H
- 3. D
- 4. J
- 5. C
- 6. G

Lesson 18: Fiction
• Pages 34–35
- **A.** D
- 1. B
- 2. J
- 3. B
- 4. H
- 5. A
- 6. G

Lesson 19: Reading Literature
• Pages 36–39
- 1. A
- 2. J
- 3. D
- 4. F
- 5. B
- 6. G
- 7. A
- 8. F
- 9. D
- 10. F
- 11. C
- 12. G
- 13. B
- 14. H

SAMPLE TEST
• Pages 40–41
- **A.** D
- 1. C

2. G
3. A
4. G
5. C
6. J

SAMPLE TEST
Pages 42–43
A. D
1. D
2. H
3. C
4. F
5. B
6. H

PRACTICE TEST
Part 1: Vocabulary
• Pages 44–47
A. A
B. G
1. B
2. H
3. B
4. F
5. C
6. F
7. B
8. H
9. A
10. H
11. B
12. G
13. A
14. H
15. C
16. J
17. B
18. H
19. B
20. G
21. B
22. F
23. D
24. F
25. B
26. F
27. C
28. G
29. A
30. G
31. B
32. J
33. C
34. F
35. A
36. H
37. A
38. H

Part 2: Reading Comprehension
• Pages 48–51
A. C
1. C
2. H
3. C
4. G
5. C
6. J
A. D
7. C

8. G
9. B
10. H
11. B
12. H

LANGUAGE: LANGUAGE MECHANICS
Lesson 1: Punctuation
• Pages 52–53
A. C
B. G
1. C
2. G
3. B
4. G
5. A
6. J
7. D
8. F
9. A
10. G
11. B
12. J
13. D
14. H

Lesson 2: Coordinate Adjectives
• Page 54
A. B
1. A
2. J
3. C
4. F
5. C
6. F

Lesson 3: Capitalization and Punctuation
• Pages 55–56
A. B
B. J
1. A
2. G
3. A
4. H
5. A
6. G
7. C
8. H
9. C
10. F
11. A
12. G
13. A
14. F

SAMPLE TEST
• Pages 57–59
A. C
B. J
1. C
2. J
3. A
4. G
5. C
6. G
7. B
8. J
9. D
10. F
11. D

12. H
13. D
14. F
15. A
16. H
17. C
18. J
19. B
20. G
21. A
22. G

LANGUAGE: LANGUAGE EXPRESSION
Lesson 4: Usage
• Pages 60–62
A. B
B. F
1. C
2. F
3. A
4. J
5. B
6. H
7. D
8. H
9. A
10. J
11. C
12. J
13. A
14. J
15. A
16. J
17. C
18. F
19. C

Lesson 5: Sentences
• Pages 63–65
A. B
B. J
1. B
2. H
3. B
4. G
5. C
6. G
7. A
8. J
9. B
10. H
11. A
12. J
13. C
14. J

Lesson 6: Phrases and Clauses
• Page 66
A. A
1. B
2. H
3. A
4. G
5. A
6. H

Lesson 7: Misplaced and Dangling Modifiers
• Page 67
A. B
B. G

1. C
2. F
3. C
4. H

Lesson 8: Types of Sentences
• Page 68
A. B
1. C
2. J
3. D
4. G

Lesson 9: Paragraphs
• Pages 69–71
A. A
1. B
2. F
3. B
4. H
5. D
6. H
7. B
8. F
9. A
10. F

Lesson 10: Concise and Precise Language
• Page 72
A. B
B. G
1. C
2. H
3. C
4. J

SAMPLE TEST
• Pages 73–77
A. D
B. F
1. C
2. J
3. A
4. H
5. A
6. J
7. B
8. J
9. A
10. J
11. B
12. J
13. B
14. F
15. D
16. J
17. C
18. F
19. C
20. G
21. C
22. G
23. D
24. J
25. A
26. H
27. C
28. J
29. C
30. F
31. D

LANGUAGE: SPELLING
Lesson 11: Spelling
• Pages 78–79
A. B
B. H
1. D
2. F
3. A
4. H
5. A
6. G
7. D
8. G
9. A
10. J
11. B
12. F
13. C
14. H

SAMPLE TEST
• Pages 80–81
A. C
B. G
1. A
2. H
3. D
4. F
5. C
6. J
7. C
8. F
9. C
10. G
11. D
12. F
13. B
14. J

LANGUAGE: STUDY SKILLS
Lesson 12: Study Skills
• Pages 82–84
A. A
B. H
1. A
2. H
3. D
4. F
5. A
6. G
7. D
8. H
9. B
10. J
11. A
12. J
13. D
14. H

SAMPLE TEST
• Pages 85–86
A. C
B. H
1. A
2. G
3. D
4. G
5. C
6. F
7. C
8. G

9. D
10. F
11. A

PRACTICE TEST
Part 1: Language Mechanics
• Pages 89–90
A. A
B. G
1. C
2. J
3. A
4. H
5. A
6. J
7. C
8. J
9. A
10. H
11. A
12. G
13. D
14. G
15. A

Part 2: Language Expression
• Pages 91–94
A. A
B. J
1. A
2. H
3. B
4. F
5. C
6. J
7. B
8. H
9. D
10. J
11. B
12. F
13. C
14. H
15. A
16. J
17. C
18. G
19. A
20. H
21. D
22. J
23. C
24. F
25. D

Part 3: Spelling
• Pages 95–96
A. B
B. H
1. A
2. J
3. B
4. H
5. B
6. F
7. C
8. J
9. A
10. F
11. D
12. J

13. B
14. H
Part 4: Study Skills
• Pages 97–98
A. C
B. F
1. A
2. H
3. D
4. H
5. C
6. H
7. D
8. J
9. B
10. J
11. B
MATH: MATH CONCEPTS
Lesson 1: Numeration
• Pages 99–101
A. B
B. H
1. C
2. G
3. D
4. F
5. B
6. G
7. C
8. J
9. C
10. G
11. A
12. G
13. D
14. J
15. D
16. F
17. D
18. G
19. C
Lesson 2: Number Concepts
• Pages 102–104
A. A
B. J
1. B
2. G
3. A
4. J
5. B
6. G
7. D
8. H
9. C
10. H
11. A
12. J
13. A
14. H
15. D
16. H
17. B
18. F
19. D
20. H
Lesson 3: Fractions and Decimals
• Pages 105–107
A. A

1. C
2. H
3. B
4. F
5. D
6. F
7. B
8. F
9. C
10. G
11. D
12. F
13. C
14. J
15. A
16. J
17. A
18. G
Lesson 4: Ratios and Proportional Relationships
• Pages 108–109
A. B
B. J
1. B
2. H
3. B
4. H
5. C
6. J
7. A
8. G
9. B
10. H
11. D
SAMPLE TEST
• Pages 110–112
A. D
B. H
1. B
2. F
3. D
4. F
5. B
6. J
7. A
8. G
9. B
10. J
11. B
12. H
13. D
14. H
15. B
16. F
17. D
18. H
19. A
20. H
21. A
MATH: COMPUTATION
Lesson 5: Fractions, Addition and Subtraction
• Page 113
A. C
B. F
1. A
2. J
3. A

4. G
5. C
6. J
Lesson 6: Fractions, Multiplication and Division
• Page 114
A. B
B. F
1. A
2. J
3. A
4. H
5. A
6. G
Lesson 7: Decimals, Addition and Subtraction
• Page 115
A. B
B. G
1. D
2. F
3. C
4. F
5. A
6. H
Lesson 8: Decimals, Multiplication and Division
• Page 116
A. B
B. F
1. A
2. J
3. A
4. J
5. B
6. H
Lesson 9: Percents, Converting to Decimals
• Page 117
A. C
B. G
1. C
2. J
3. B
4. F
5. D
6. H
Lesson 10: Percents, Finding Percentages of a Number
• Page 118
A. D
B. F
1. B
2. G
3. C
4. J
5. A
6. H
Lesson 11: Problem Solving, Addition and Subtraction
• Page 119
A. D
B. F
1. B
2. F
3. C
4. J

Lesson 12: Problem Solving, Multiplication and Division
• Page 120
A. C
B. G
1. C
2. F
3. A
4. J

Lesson 13: Problem Solving, Rational Numbers
• Pages 121–122
A. B
B. G
1. B
2. G
3. C
4. G
5. D
6. G
7. D
8. H
9. D
10. J
11. A
12. H
13. B
14. F
15. B
16. F
17. A

SAMPLE TEST
• Pages 123–125
A. A
B. G
1. C
2. J
3. A
4. G
5. D
6. F
7. A
8. J
9. A
10. G
11. A
12. H
13. D
14. G
15. B
16. H
17. D
18. F
19. D
20. G
21. C
22. H
23. A
24. G

MATH: APPLICATIONS
Lesson 14: Geometry
• Pages 126–128
A. C
B. H
1. D
2. G
3. A
4. H

5. D
6. G
7. A
8. H
9. C
10. H
11. A
12. H
13. D
14. H
15. A
16. G
17. B
18. F

Lesson 15: Shape Relationships
• Page 129
A. B
B. H
1. B
2. J
3. C
4. J
5. C
6. G

Lesson 16: Measurement
• Pages 130–131
A. B
B. H
1. A
2. J
3. C
4. G
5. D
6. F
7. C
8. G
9. C
10. F
11. D
12. G

Lesson 17: Measuring Angles, Area, and Volume
• Pages 132–133
A. C
B. H
1. B
2. J
3. D
4. F
5. C
6. F
7. B
8. H
9. B
10. J
11. C
12. H

Lesson 18: Problem Solving
• Pages 134–136
A. D
B. H
1. A
2. H
3. B
4. H
5. B
6. F
7. D

8. H
9. C
10. J
11. D
12. G
13. D
14. G
15. A
16. F
17. C
18. H

Lesson 19: Algebra
• Pages 137–138
A. D
B. G
1. B
2. H
3. D
4. F
5. A
6. J
7. A
8. G
9. D
10. H
11. C
12. G

Lesson 20: Expressions and Equations
• Pages 139–141
A. D
B. G
1. D
2. G
3. C
4. F
5. B
6. F
7. D
8. J
9. D
10. F
11. A
12. H
13. C
14. H
15. C
16. F
17. D
18. J
19. A

Lesson 21: Statistics and Probability
• Pages 142–145
A. C
B. H
1. B
2. H
3. D
4. F
5. B
6. G
7. B
8. G
9. B
10. G
11. C
12. H

13. B
14. H
15. D
16. G
17. C
18. H
19. D
20. G
21. B

SAMPLE TEST
• Pages 146–148

A. B
B. G
1. B
2. H
3. B
4. F
5. C
6. J
7. A
8. J
9. C
10. F
11. A
12. G
13. C
14. F
15. C
16. G
17. C
18. F

PRACTICE TEST
Part 1: Concepts
• Pages 149–150

A. C
B. G
1. A
2. G
3. C
4. G
5. C
6. F
7. A
8. G
9. A
10. J
11. D
12. F
13. B
14. J

Part 2: Computation
• Pages 151–152

A. B
B. F
1. C
2. J
3. A
4. J
5. C
6. G
7. A
8. J
9. A
10. H
11. B
12. H
13. A
14. F

15. D
16. J
17. A
18. G

Lesson 3: Applications
• Pages 153–154

A. C
B. G
1. A
2. H
3. A
4. J
5. D
6. J
7. A
8. J
9. A
10. F
11. A
12. H
13. D
14. F