

5th Grade Practice Test (5thGradePracticeTest)

Name: _____

Date: _____

1. What number is equivalent to the expression below?

$$(3 \times 1,000,000) + (6 \times 10,000) + (5 \times 100) + 1$$

- A. 3,651
- B. 306,501
- C. 3,060,501
- D. 3,065,001

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2. What is the total number of factors of 12?

- A. 4
- B. 6
- C. 8
- D. 12

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3. What is the value of \square that makes the equation below true?

$$\frac{75}{\square} = 5$$

- A. 15
- B. 25
- C. 70
- D. 375

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4. White Mountain National Forest covers more than 780,000 acres. One-seventh of the forest is reserved as wilderness. Approximately how many acres are in the wilderness area?

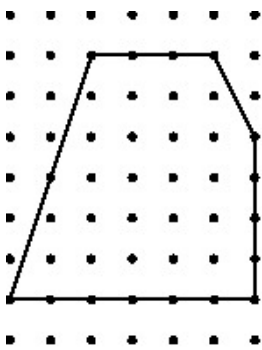
- A. 400,000
 - B. 320,000
 - C. 260,000
 - D. 110,000
-

5. If a number is divisible by the prime numbers 2 and 3, it must be divisible by 6. If a number is divisible by the prime numbers 2 and 5, it must be divisible by 10. Therefore, if a number is divisible by the prime numbers 3 and 7, it must be divisible by which of the following?

- A. 4
 - B. 8
 - C. 10
 - D. 21
-

6.

Use the picture below to answer this question.

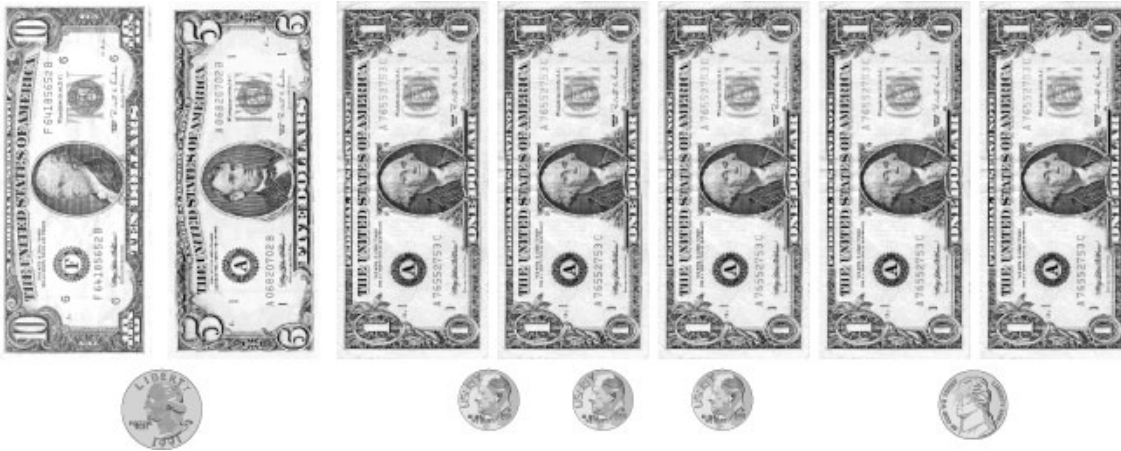


 = 1 square unit of area

When using a geoboard, Shanika created the figure in the picture. What is the area of the figure?

- A. 22 square units
 - B. 29 square units
 - C. 33 square units
 - D. 36 square units
-

7. Grant wants to buy some cassette tapes. He has the following money in his pocket:



If each tape costs \$4.65, how many can he buy?

- A. 3
 - B. 4
 - C. 5
 - D. 6
-

8. Which group of numbers contains only multiples of 3?

- A. 3, 9, 30, 31
 - B. 3, 13, 73, 123
 - C. 6, 12, 60, 120
 - D. 6, 13, 29, 39
-

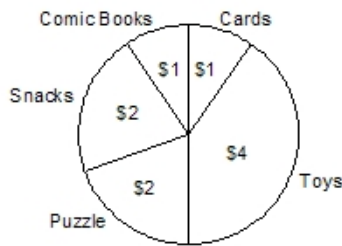
9. Which decimal is the greatest?

- A. 0.41
 - B. 1.41
 - C. 0.14
 - D. 1.14
-

10. What even 2-digit number between 40 and 50 is a multiple of 7?

- A. 42
 - B. 47
 - C. 48
 - D. 49
-

11. Nam has \$10.00 to spend. The graph shows how he spent his money.



How much did Nam spend on toys and snacks?

- A. \$6.00
 B. \$5.00
 C. \$4.00
 D. \$2.00
-

12.

At a fair, tickets for adults cost \$6. Tickets for students cost \$3. Which expression could be used to calculate the total cost for any number of adult(a) and student (s) tickets?

- A. $6a + 3s$
 B. $3a + 6s$
 C. $8 + (as)$
 D. $8 + (a + s)$
-

13.

$$0.5 \times 0.9$$

Which statement correctly explains how to multiply?

- A. Multiply $5 \times 9 = 45$. Using 45, count one place from the right then insert a decimal point between the 4 and the 5.
 B. Multiply $5 \times 9 = 45$. Using 45, count one place from the left then insert a decimal point after the 4.
 C. Multiply $5 \times 9 = 45$. Using 45, count two places from the left then insert a decimal point after the 5.
 D. Multiply $5 \times 9 = 45$. Using 45, count two places from the right then insert a decimal point before the 45.
-

14.

What is the area of a triangle that has a base of 40 cm and height of 25 cm?

- A. 15 cm^2
 B. 65 cm^2
 C. 500 cm^2
 D. $1,000 \text{ cm}^2$
-

15.

Anton's toy box is 2 feet wide, 6 feet long, and 4 feet tall. What is the volume of the toy box?

- A. 8 cubic feet
 - B. 12 cubic feet
 - C. 24 cubic feet
 - D. 48 cubic feet
-

16.

What is the value of the 7 in 23,078,566,000?

- A. 7 million
 - B. 70 million
 - C. 78 million
 - D. 700 million
-

17.

Which of these numbers are prime numbers?

1, 3, 9, 13, 15, 21, 25

- A. 1, 9 and 15
 - B. 3 and 13
 - C. 3
 - D. 1
-

18.

Which of these numbers are composite?

2, 5, 8, 9, 10, 11, 13

- A. 2
 - B. 8
 - C. 2,8 and 10
 - D. 8,9 and 10
-

19.

What divisibility rule applies to 513?

- A. If a number is even, then it can be divided by 2.
 - B. If the sum of the digits of the number is divisible by 9, then the number can be divided by 9.
 - C. If the sum of the digits of the number is divisible by 4, then it can be divided by 4.
 - D. If the number is 3 digits, then it will have a 3 digit quotient.
-

20.

$$\begin{array}{r} 2\frac{2}{3} \\ - \frac{1}{4} \\ \hline \end{array}$$

A. $2\frac{5}{12}$

B. $2\frac{3}{7}$

C. $1\frac{1}{12}$

D. $1\frac{5}{12}$

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21.

$$12.08 \times 1.7 =$$

A. 2,053.6

B. 205.36

C. 20.536

D. 2.0536

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22.

$$7.548 \div 6 =$$

- A. 1,258.
- B. 125.8
- C. 12.58
- D. 1.258

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23. The table shows the cost of parking in a downtown parking lot. The cost per hour for parking does not change.

Parking Costs

Number of Hours	Total Cost
1	\$2.25
2	\$4.50
3	?
4	\$9.00
5	\$11.25

Based on the pattern in the table, what will be the total cost for parking 3 hours?

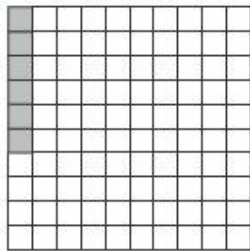
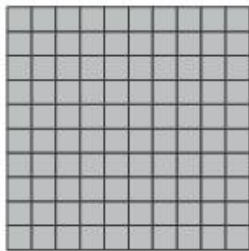
- A. \$8.75
- B. \$6.75
- C. \$6.50
- D. \$5.25

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24. This figure is shaded to represent the number 1.

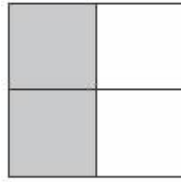


Which of the following numbers is represented by the shaded part of the figure below?

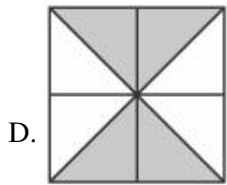
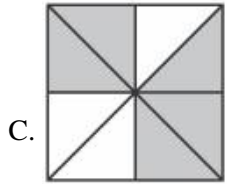
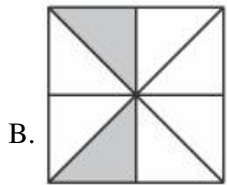
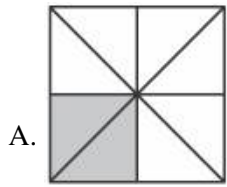


- A. 1.006
- B. 1.06
- C. 1.6
- D. 16.0

25. Eddie shaded a fraction of this square.



Which shows an equivalent fraction shaded?



26. Which of the following has a value less than $\frac{1}{2}$?

A. $\frac{2}{3}$

B. $\frac{7}{10}$

C. $\frac{1}{4}$

D. $\frac{3}{5}$

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27. Jamal walked $\frac{3}{4}$ mile yesterday morning and $\frac{1}{8}$ mile yesterday afternoon. What was the total distance walked by Jamal?

A. 1 mile

B. $\frac{7}{8}$ mile

C. $\frac{1}{2}$ mile

D. $\frac{1}{3}$ mile

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28. Daphne wrote the fractional part of the quizzes she answered correctly.

Quiz	Score
1	$\frac{4}{5}$
2	$\frac{5}{11}$
3	$\frac{3}{7}$
4	$\frac{7}{9}$

Which lists these quiz scores in order from least to greatest?

- A. $\frac{3}{7}, \frac{4}{5}, \frac{5}{11}, \frac{7}{9}$
- B. $\frac{4}{5}, \frac{3}{7}, \frac{7}{9}, \frac{5}{11}$
- C. $\frac{3}{7}, \frac{7}{9}, \frac{5}{11}, \frac{4}{5}$
- D. $\frac{3}{7}, \frac{5}{11}, \frac{7}{9}, \frac{4}{5}$

Answer Key

1. C) 3,060,501

2. B) 6

3. A) 15

4. D) 110,000

5. D) 21

6. B) 29 square units

7. B) 4

8. C) 6, 12, 60, 120

9. B) 1.41

10. A) 42

11. A) \$6.00

12. A) $6a + 3s$

13. D) Multiply $5 \times 9 = 45$. Using 45, count two places from the right then insert a decimal point before the 45.

14. C) 500 cm^2

15. D) 48 cubic feet

16. B) 70 million

17. B) 3 and 13

18. D) 8,9 and 10

19. B) If the sum of the digits of the number is divisible by 9, then the number can be divided by 9.

20. A) $2\frac{5}{12}$

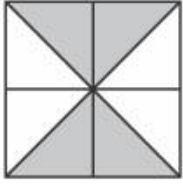
21. C) 20.536

22. D) 1.258

23. B) \$6.75

24. B) 1.06

25. D)



26. C) $\frac{1}{4}$

27. B) $\frac{7}{8}$ mile

28. D) $\frac{3}{7}, \frac{5}{11}, \frac{7}{9}, \frac{4}{5}$