

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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1. Carlos is solving the number sentence shown below.

$$15 \times 12 = \square$$

Which of the following methods could he use to find the correct solution?

- A.  $(15 + 10) + (15 + 2)$
- B.  $(15 + 10) \times (15 + 2)$
- C.  $(15 \times 10) \times (15 \times 2)$
- D.  $(15 \times 10) + (15 \times 2)$

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2. Which strategy correctly demonstrates  $4 \times 38$  using mental math?

- A.  $4(2 \times 19)$
  - B.  $2 \times 2 \times 38$
  - C.  $2 \times 2 \times 2 \times 19$
  - D.  $(4 \times 30) + (4 \times 8)$
- 

3. Cedar Grove Elementary School is having a jump-rope contest. Wilson jumped 293 times. Cathy jumped 412 times. Which is the BEST ESTIMATE of how many more times Cathy jumped than Wilson?

- A. 100
  - B. 200
  - C. 300
  - D. 400
- 

4. The Royal Theater issued 849 movie passes during 1990. If they have collected 523 passes, how many movie passes have not been used?

- A. 327
  - B. 326
  - C. 325
  - D. 226
- 

5. A bay is 12 fathoms deep. A fathom is equal to 6 feet. How many feet deep is the bay?

- A. 2 feet
  - B. 18 feet
  - C. 72 feet
  - D. 96 feet
-

6. In one weekend, a class of 30 students read a total of 1,000 pages. If 10 students read a total of 379 pages, how many pages did the other 20 students read?

- A. 621
  - B. 731
  - C. 1,621
  - D. 1,731
- 

7. Louis has a stamp collection. He has a total of 1,274 stamps. Today he sold 368 of them at a stamp show. How many stamps does he have left?

- A. 906
  - B. 916
  - C. 1,114
  - D. 1,642
- 

8. According to the 1990 census, 21,325 people live in Augusta, and 20,906 people live in Brunswick. How many more people live in Augusta than in Brunswick?

- A. 1,629
  - B. 1,621
  - C. 1,429
  - D. 419
- 

9. Tonya found a board that was 9.6 feet long. She cut 4.8 feet off the board. How long is the board now?

- A. 4.8 feet
  - B. 5.2 feet
  - C. 48 feet
  - D. 52 feet
- 

10. Rita had \$8.00. She spent \$2.67 on a magazine. How much does Rita have left?

- A. \$5.33
  - B. \$5.43
  - C. \$6.43
  - D. \$6.67
- 

11. Derrius has 24 feet of fencing to use for a rectangular dog pen. Which dimensions would give him the most room (area) for his dog?

- A. 1 foot by 11 feet
  - B. 3 feet by 9 feet
  - C. 4 feet by 8 feet
  - D. 6 feet by 6 feet
- 

12. Molly walked all the way around the edge of her yard. The distance she walked is the yard's

- A. area.
  - B. diameter.
  - C. volume.
  - D. perimeter.
-

13. All 450 students in Central School are going on a field trip. If each bus can hold 60 students, how many buses will they need?

- A. 5
  - B. 6
  - C. 7
  - D. 8
- 

14. Which of the following is equivalent to 150 minutes?

- A.  $1\frac{1}{2}$  hours
  - B.  $2\frac{1}{4}$  hours
  - C.  $2\frac{1}{2}$  hours
  - D.  $2\frac{5}{8}$  hours
- 

15. Don was selling cans of peanuts for a school project. He sold 23 on Monday, 78 on Wednesday, and 47 on Thursday. About how many cans of peanuts did Don sell?

- A. 100
  - B. 150
  - C. 250
  - D. 300
- 

16. Which number sentence is related to  $40 \div 5 = 8$  ?

- A.  $40 \times 5 = 200$
  - B.  $40 \times 8 = 320$
  - C.  $5 \times 4 = 200$
  - D.  $5 \times 8 = 40$
- 

17. What is the best unit of measurement to use to describe area covered by carpeting?

- A. inches
  - B. meters
  - C. square feet
  - D. cubic yards
- 

18. What is the place value for the underlined digit in 87,457?

- A. hundreds
  - B. thousands
  - C. ten thousands
  - D. hundred thousands
-

19.

What fraction represents that 9 out of the 18 students bought a school lunch?

- A.  $\frac{1}{4}$
  - B.  $\frac{1}{3}$
  - C.  $\frac{1}{2}$
  - D.  $\frac{3}{4}$
- 

20.

Kelly surveyed 10 of her friends. She asked them what their favorite pet was. Two people said rabbits. Three people said cats. Five people said dogs. Kelly is going to make a bar graph to show her results. What interval would BEST display Kelly's results?

- A. 1
  - B. 5
  - C. 10
  - D. 15
- 

21.

Which of these multiplication facts is related to this addition problem?

$$3 + 3 + 3 + 3 + 3 =$$

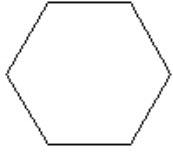
- A.  $3 \times 3 =$
  - B.  $15 \times 3 =$
  - C.  $3 \times 5 =$
  - D.  $5 \times 5 =$
- 

22.

Micha rides her bike to her friend's house and back home. If she travels four miles total. What is the distance **to** her friend's house?

- A. 1 mile
  - B. 2 miles
  - C. 4 miles
  - D. 8 miles
-

23.



What is the name of this figure?

- A. triangle
  - B. pentagon
  - C. octagon
  - D. hexagon
- 

24.

Ben is drawing a shape. The shape has four sides. Each angle in the shape is a right angle. Which shape is Ben drawing?

- A. rectangle
  - B. rhombus
  - C. hexagon
  - D. triangle
- 

25.

Lindsay needs to draw a multi-sided figure. Each side needs to be a different length. The figure needs to have at least three different interior angle measures. One angle must be at least  $70^\circ$  more than all other angles. Which of these shapes could Lindsay draw?

- A. rhombus
  - B. trapezoid
  - C. acute triangle
  - D. right triangle
- 

26.

Greg drew a shape. The shape had multiple sides. All of the interior angles of the shape had a different measurement. Two of the sides were parallel. Which of these shapes could Greg have drawn?

- A. triangle
  - B. rhombus
  - C. pentagon
  - D. trapezoid
- 

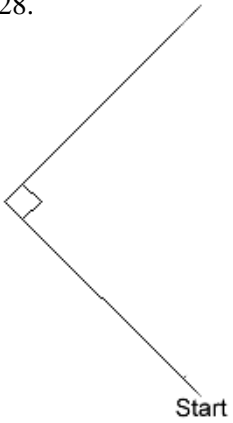
27.

If the pattern continues, which number will likely be next?

44, 46, 50, 56,...

- A. 58
- B. 60
- C. 64
- D. 68

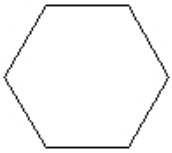
28.



Jane walked in a straight line for 10 feet. She turned clockwise 90 degrees and walked another 10 feet. If Jane continues to walk in this pattern, which shape will her path form?

- A. square
  - B. rectangle
  - C. triangle
  - D. trapezoid
- 

29.



How many obtuse angles does this figure have?

- A. 6
  - B. 4
  - C. 2
  - D. 1
- 

30.

Which is the next number in the sequence?

2, 4, 7, 11,...

- A. 15
  - B. 16
  - C. 17
  - D. 18
-

31.

$$1,784 + 1,784 - \square = 1,587$$

What number when placed in the  $\square$  makes this number sentence correct?

- A. 2,031
  - B. 2,021
  - C. 1,991
  - D. 1,981
- 

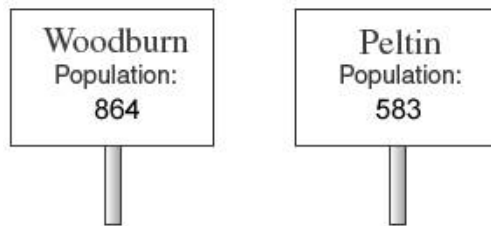
32. Sherman read that the Sahara Desert, the largest desert in the world, covers an area of 3,541,790 square miles. What is the value of the 7 in that number?

- A. 7
- B. 700
- C. 70,000
- D. 700,000

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33. These signs show the population of two different towns.



How much *greater* is the population of Woodburn than Peltin?

- A. 281
- B. 381
- C. 1,347
- D. 1,447

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**Answer Key**

1. D)  $(15 \times 10) + (15 \times 2)$

2. D)  $(4 \times 30) + (4 \times 8)$

3. A) 100

4. B) 326

5. C) 72 feet

6. A) 621

7. A) 906

8. D) 419

9. A) 4.8 feet

10. A) \$5.33

11. D) 6 feet by 6 feet

12. D) perimeter.

13. D) 8

14. C)  $2\frac{1}{2}$  hours

15. B) 150

16. D)  $5 \times 8 = 40$

17. C) square feet

18. C) ten thousands

19. C)  $\frac{1}{2}$

20. A) 1

21. C)  $3 \times 5 =$

22. B) 2 miles

23. D) hexagon

24. A) rectangle

25. B) trapezoid



26. D) trapezoid

27. C) 64

28. A) square

29. A) 6

30. B) 16

31. D) 1,981

32. B) 700

33. A) 281