

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

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

1. Mr. Lopez solved the division problem below on the chalkboard.

$$252 \div 7 = 36$$

Which of the following could Mr. Lopez use to check his answer?

- A.  $7 \times 42$
- B.  $36 \times 7$
- C.  $36 \times 252$
- D.  $252 \times 7$

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2. 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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3. Rufus bought 6 items at the mall. No item cost more than \$5 or less than \$2. Which of the following could be the total cost of the 6 items Rufus bought?

- A. \$7
- B. \$10
- C. \$22
- D. \$31

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4. Solve.

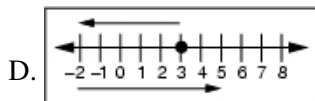
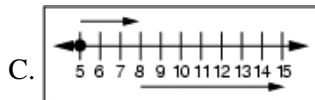
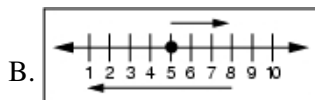
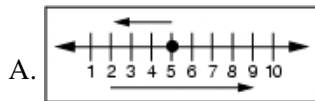
$$700 - 341 =$$

- A. 359
  - B. 369
  - C. 459
  - D. 469
- 

5. 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.  $(4 \times 30) + (4 \times 8)$
- 

6. Cheryl has \$5. She bought a candy bar and soda for \$3 and was paid \$7 for tutoring. How would this be modeled using a number line?



7. It is 71 miles from Boston, MA, to Concord, NH. It is 138 miles from Concord, NH, to Colebrook, NH. About how many miles is this altogether?

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

8. 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
-

9. The price of Mr. Claxton's groceries was \$20.73. He used coupons save a total of \$2.35. How much of his own money did Mr. Claxton spend?

- A. \$18.38
  - B. \$18.48
  - C. \$22.98
  - D. \$23.08
- 

10. Bill and Gary prepared fliers telling about a car wash at their school. They handed out 350 fliers at the grocery store, 250 fliers at the basketball game, and 650 at the shopping mall. How many fliers did Bill and Gary hand out?

- A. 1050
  - B. 1150
  - C. 1200
  - D. 1250
- 

11. 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
- 

12. The refreshment committee needs 500 plastic cups for the dance. If cups are sold in packages of 200, how many packages need to be purchased?

- A. 2
  - B. 3
  - C. 20
  - D. 500
- 

13. Cherie has a rock collection. She gave 6 rocks to Tommy for his birthday. She traded 3 rocks to Sally for marbles. Cherie now has 15 rocks left. How many did she start with?

- A. 6
  - B. 9
  - C. 15
  - D. 24
- 

14. 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
- 

15. A motorcycle traveled 378 miles in 7 hours. How fast was the motorcycle traveling?

- A. 62 mph
  - B. 55 mph
  - C. 54 mph
  - D. 51 mph
-

16. Mrs. Sanchez's classes collected newspapers to recycle. The first period class collected 361 pounds. The second period class collected 109 pounds. The third period class collected 237 pounds. The fourth period class collected 348 pounds. The fifth period class collected 203 pounds. How many pounds of newspaper did all of the classes collect for recycling?

- A. 1,258
  - B. 1,248
  - C. 1,158
  - D. 1,138
- 

17. 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
- 

18. The highest point in New Hampshire is Mt. Washington at 1,918 meters above sea level. The highest point in the United States is Mt. McKinley at 6,198 meters. What is the difference in their elevations?

- A. 8,116 m
  - B. 5,880 m
  - C. 5,820 m
  - D. 4,280 m
- 

19. What number should go in the box to make the number sentence true?

$$1,382 - \square = 903$$

- A. 479
  - B. 679
  - C. 1,681
  - D. 2,285
- 

20. 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
- 

21. According to the 1990 census, 36,006 people live in Concord and 3,057 people live in Wakefield. How many more people live in Concord than in Wakefield?

- A. 32,949
  - B. 32,951
  - C. 33,051
  - D. 39,063
-

22. Mrs. Wall bought eight books of stamps. If each book contains 18 stamps, how many stamps did she buy?

- A. 10
  - B. 26
  - C. 84
  - D. 144
- 

23. 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
- 

24. Chen had \$5.00. He spent \$2.87 for lunch. How much does he have left?

- A. \$2.13
  - B. \$3.12
  - C. \$3.13
  - D. \$3.23
- 

25. Sam spent \$16.00 for a book, \$2.96 for a notebook, and \$0.03 for a piece of gum. How much did Sam spend?

- A. \$3.15
  - B. \$4.59
  - C. \$18.99
  - D. \$45.63
- 

26. 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
- 

27. Janika spent \$3.45 at the store and Serena spent \$2.60 at the store. How much more did Janika spend than Serena?

- A. \$0.85
  - B. \$1.25
  - C. \$1.84
  - D. \$6.05
- 

28. Darrel's plant was 17.8 inches tall last year. This year, the plant grew 11.6 inches. How tall is the plant now?

- A. 28.14 inches
  - B. 29.4 inches
  - C. 281.4 inches
  - D. 294 inches
-

29. 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
- 

30. By how much would the value of 5,647 be decreased if the 5 were replaced by a 2?

- A. 3
  - B. 30
  - C. 300
  - D. 3,000
- 

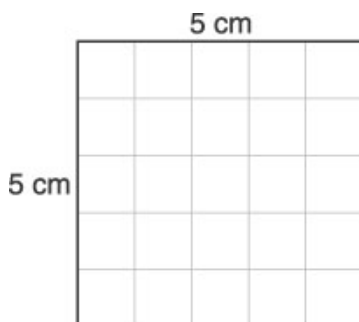
31. You are eighth in line to swing at the playground. If every person ahead of you swings for 5 minutes, how long will you wait to swing?

- A. 5 minutes
  - B. 13 minutes
  - C. 35 minutes
  - D. 40 minutes
- 

32. 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
- 

33. What is the area of the large square?



- A. 5 square centimeters
  - B. 10 square centimeters
  - C. 20 square centimeters
  - D. 25 square centimeters
-

34. The length of a fence around the outside of a park is the same as the park's

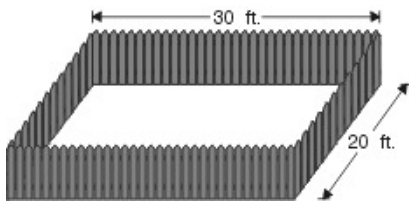
- A. area.
  - B. diameter.
  - C. perimeter.
  - D. volume.
- 

35. 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.
- 

36.

*Use the diagram below to answer this question.*



Amy is planning to build a large pen like the one above for her dogs. The fencing material she wants to use comes in 60-foot rolls. How many rolls of fencing does Amy need for her project?

- A. 1 roll
  - B. 2 rolls
  - C. 3 rolls
  - D. 4 rolls
- 

37. The Costume Store sold half of its supply of costumes on Friday. Eight more were sold on Saturday. Then there were only 18 left in the store. How many costumes were in the store when it opened on Friday?

- A. 52
  - B. 26
  - C. 20
  - D. 13
- 

38. 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
- 

39. Jan has 40 bags of marbles. There are 70 marbles in each bag. How many marbles does Jan have?

- A. 110
- B. 280
- C. 1110
- D. 2800

40. Mr. Simmons put a wire fence all the way around his rectangular garden. The garden is 9 feet long and 5 feet wide. How many feet of fencing did he use?

- A. 14 feet
  - B. 23 feet
  - C. 28 feet
  - D. 45 feet
- 

41. 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
- 

42.

Professional golfers often hit golf balls as far as 320 yards. Major league baseball players hit home runs as far as 450 feet. What is the difference between these distances?

- A. 130 yards
  - B. 170 yards
  - C. 130 feet
  - D. 170 feet
- 

43. The 21 students will be divided up into groups. Each of the 7 adults will have the same number of students in a group. How many students will be in each group?

- A. 2
  - B. 3
  - C. 4
  - D. 5
- 

44. 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
-

45. Five students who each had rock collections formed a club and brought their rocks to the first meeting. How many rocks were brought to the meeting?

The Great Rockers Collections	
Shelly	10
Dale	51
Robert	64
Melissa	100
Tom	258

- A. 375
  - B. 382
  - C. 473
  - D. 483
- 

46. If it takes Mari 20 minutes to walk from home to school, what is the latest time she can leave to get to school by 8:10 A.M.?

- A. 7:00 A.M.
  - B. 7:10 A.M.
  - C. 7:50 A.M.
  - D. 8:00 A.M.
- 

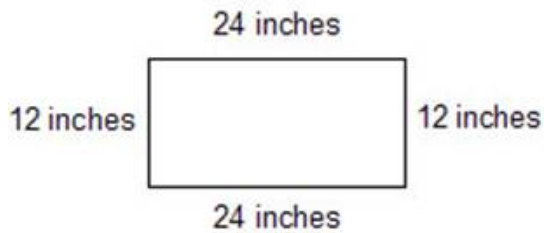
47. Which number sentence is related to  $40 \div 5 = 8$  ?

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

48. An apple pie was cut into 10 equal pieces. Bill ate 2 pieces and Ramona ate 2 pieces. What decimal stands for the pieces that are left?

- A. one and six tenths
  - B. one and four tenths
  - C. six tenths
  - D. four tenths
-

49. Find the perimeter of the box.



- A. 62 inches
  - B. 72 inches
  - C. 36 inches
  - D. 288 inches
- 

50. 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
- 

51. If the paper clip is 2 inches long, about how long is the pencil?



- A. 3 inches
  - B. 4 inches
  - C. 6 inches
  - D. 8 inches
- 

52. Darion visited his friends who live near a beach. He brought back shells to give to the children in his class. He had 125 shells and gave 5 shells to each child. What should you do to find out how many children received shells from Darion?

- A. add
  - B. subtract
  - C. multiply
  - D. divide
- 

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

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

54.

Mr. Brown baked 150 cookies to distribute equally to his three stores. Which number sentence shows how many cookies each store will receive?

- A.  $150 - 3 = 147$
  - B.  $150 + 3 = 153$
  - C.  $150 \div 3 = 50$
  - D.  $150 \times 3 = 450$
- 

55.

Which number phrase matches the division sentence?

$$56 \div 7 = 8$$

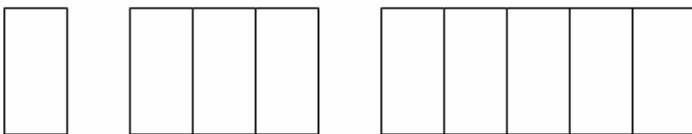
- A. 7 gummy bears shared equally among 56 friends, each friend gets 8 gummy bears.
  - B. 56 crayons shared equally among 7 students, each student gets 8 crayons
  - C. 56 rulers and 8 pieces of paper shared among 7 people
  - D. 7 markers and 8 pencils shared among 56 children
- 

56.

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

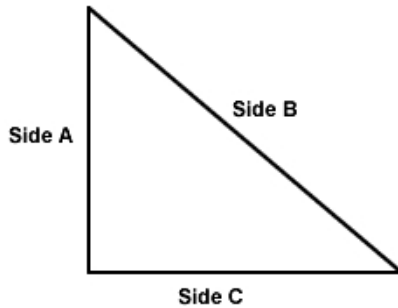
57.



If the pattern shown continues, how many sections will be in the next shape?

- A. 13
  - B. 11
  - C. 9
  - D. 7
-

58.



Which statement BEST describes the perimeter of this triangle?

- A. perimeter = Side A x Side B x Side C
  - B. perimeter = Side A + Side B + Side C
  - C. perimeter = Side A + Side C
  - D. perimeter = Side B + Side C
- 

59.

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
- 

60.

Jose owns a bicycle shop. He receives 15 bicycles. The bicycles do not have tires. How many tires does he need to order so that all of the bicycles will have tires?

- A. 15
- B. 20
- C. 30
- D. 35

**Answer Key**1. B)  $36 \times 7$ 2. D)  $(15 \times 10) + (15 \times 2)$ 

3. C) \$22

4. A) 359

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

7. B) 200

8. A) 100

9. A) \$18.38

10. D) 1250

11. B) 326

12. B) 3

13. D) 24

14. C) 72 feet

15. C) 54 mph

16. A) 1,258

17. A) 621

18. D) 4,280 m

19. A) 479

20. A) 906

21. A) 32,949

22. D) 144

23. D) 419

- 24. A) \$2.13
- 25. C) \$18.99
- 26. A) 4.8 feet
- 27. A) \$0.85
- 28. B) 29.4 inches
- 29. A) \$5.33
- 30. D) 3,000
- 31. C) 35 minutes
- 32. D) 6 feet by 6 feet
- 33. D) 25 square centimeters
- 34. C) perimeter.
- 35. D) perimeter.
- 36. B) 2 rolls
- 37. A) 52
- 38. D) 8
- 39. D) 2800
- 40. C) 28 feet
- 41. C)  $2\frac{1}{2}$  hours
- 42. B) 170 yards
- 43. B) 3
- 44. B) 150
- 45. D) 483
- 46. C) 7:50 A.M.
- 47. D)  $5 \times 8 = 40$
- 48. C) six tenths
- 49. B) 72 inches
- 50. C) square feet

51. C) 6 inches

52. D) divide

53. C) ten thousands

54. C)  $150 \div 3 = 50$

55. B) 56 crayons shared equally among 7 students, each student gets 8 crayons

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

57. D) 7

58. B) perimeter = Side A + Side B + Side C

59. A) 1

60. C) 30