



# Rising 5th Grade Summer Math

Name \_\_\_\_\_

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Base Ten Number Sense

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Write the Number that comes after:

1. 23,458

2. 999,999

3. 1,345,200

4. 10,999,000

Write the number that comes before:

5. 27,563

6. 45,669

Write the number that comes between:

7. 453,098 \_\_\_\_\_ 453,100

Rounding:

8. Round 1,245,366 to the nearest ten thousand

A. 1,300,000

B. 1,246,000

C. 1,250,000

D. 2,000,000

9. Round 2,345 to the nearest hundred

- A. 2,300
- B. 2,000
- C. 2,400
- D. 2,350

Number Sense:

10. Look at the digits below. Put them in the boxes to make the largest number possible.

5 4 9 8 7 0 6 3

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Write the number in words:

Write the number in expanded form.

11. Look at the digits below. Put them in the boxes to make the smallest number possible.

5 4 9 8 7 2 6 3

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Write the number in words.

Write the number in expanded form.

12. The value of the **7** in **9,352.07** is

13. Ten thousand more than **4,982** is

14. One hundred thousand less than **1,234,555** is

15. The value of the **8** in 2,389,173 is

Fill in the missing parts of the **patterns:**

16. \_\_\_\_\_, \_\_\_\_\_, 90, \_\_\_\_\_, 150, 180, \_\_\_\_\_

17. \_\_\_\_\_, \_\_\_\_\_, 140, \_\_\_\_\_, 200, 180, 260

18. 990,000, 880,000, \_\_\_\_\_, 660,000, \_\_\_\_\_,

\_\_\_\_\_

19. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 1,073, 1,174, 1,275, 1,376

20. 950, 860, 770, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Addition, Subtraction, Multiplication, and Division(DMSCB):

21. Caitlin bought 6 apples for \$1.18 each. She paid with \$20.00. How much change did he get?

22. 5 quarters, 6 nickels, and 4 pennies equals:

- A. \$5.64
- B. \$1.59
- C. \$9.19
- D. \$1.44

23. Sarah went to 15 yard sales. At each sale she bought 23 items. How many items did she buy?

24. A yoga teacher taught 12 classes one Saturday. If she demonstrated 432 poses in 5 of the classes and 325 poses in 7 of the classes, how many poses did she demonstrate in all?

25. Marielle has 672 jellybeans. She wants to share them between herself and 3 of her friends. How many jellybeans would each child get?

26.  $907,000 - 452,109 =$

27.  $3,253 \times 45 =$

28.  $5 \times 6 =$

29.  $8 + 5 =$

30.  $14 \div 2 =$

31.  $8 \times 7 =$

32.  $17 - 9 =$

33.  $8 + 9 =$

34.  $5 \times 9 =$

35.  $27 \div 9 =$

36.  $16 - 7 =$

37.  $72 \div 8 =$

38.  $18 - 11 =$

39.  $12 \times 8 =$

40.  $6 \times 7 =$

41.  $63 \div 7 =$

42.  $21 - 10 =$

43.  $6 + 12 =$

44.  $11 + 9 =$

45.  $84 \div 12 =$

46.  $1,973 \div 4 =$

47.  $675 \times 342 =$

48.  $498 \div 7 =$

49.  $562 \times 33$

50. Mary did the following problem. Is she correct, why or why not?

$$\begin{array}{r} 987 \\ \times 45 \\ \hline 4935 \\ + 3948 \\ \hline \mathbf{8,883} \end{array}$$

51. Billy did the following problem. Is he correct, why or why not?

$$\begin{array}{r} 8932 \\ + \underline{876} \\ \hline 9,808 \end{array}$$

52. Julie did the following problem. Is she correct, why or why not?

$$\begin{array}{r} 9807 \\ - \underline{999} \\ 8,808 \end{array}$$

53. Circle the multiples of **BOTH** 3 and 9:

3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39,  
42, 45, 48, 51, 54, 57

54.  $1 \times 12 =$        $2 \times 12 =$        $3 \times 12 =$        $4 \times 12 =$

$5 \times 12 =$        $6 \times 12 =$        $7 \times 12 =$        $8 \times 12 =$

$9 \times 12 =$        $10 \times 12 =$        $11 \times 12 =$        $12 \times 12 =$

55. How many days are there in 6 years?



## Fractions and Decimals:

Compare (<, >, =):

56.  $\frac{70}{100}$  \_\_\_\_\_ 0.75

57.  $\frac{1}{10}$  \_\_\_\_\_ 0.23

58.  $\frac{1}{10}$  \_\_\_\_\_  $\frac{2}{5}$

59.  $\frac{3}{36}$  \_\_\_\_\_  $\frac{5}{24}$

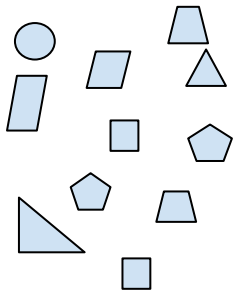
60.  $\frac{7}{8}$  \_\_\_\_\_  $\frac{5}{10}$

61.  $\frac{10}{15}$  \_\_\_\_\_  $\frac{6}{9}$

61.  $\frac{5}{10}$  \_\_\_\_\_ 0.51

62.  $\frac{3}{4}$  \_\_\_\_\_  $\frac{2}{3}$

62. What fraction of the group below is squares?



63. Convert the improper fraction into a mixed number

$$\frac{27}{5}$$

64. Convert the mixed number into an improper fraction.

$$9 \frac{1}{2}$$

Solve. Please simplify.

65. If Larry has  $\frac{1}{10}$  of the candy in the room and Lucy has  $\frac{2}{5}$  of the candy, how much candy would they have together?

66. At Carrie's birthday party she got  $\frac{1}{4}$  of the cake. Her friend, Lily, said that Carrie got more than her. If Lily got  $\frac{2}{8}$  of the cake, who got more and how do you know?

67.  $\frac{8}{10} - \frac{2}{5} =$

68.  $\frac{1}{8} + \frac{4}{8} =$

Simplify the following fractions:

69.  $\frac{8}{10}$

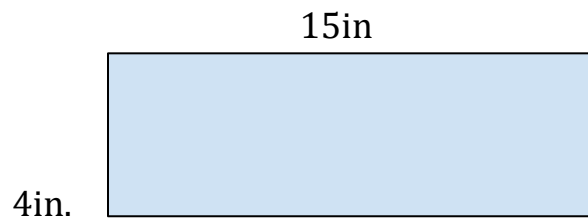
70.  $\frac{3}{15}$

71.  $\frac{3}{6}$

72.  $\frac{12}{27}$

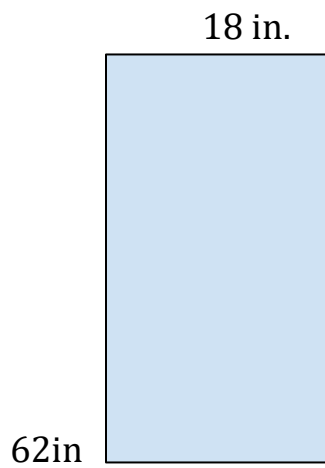
Geometry and Measurement:

73. What is the area and perimeter of each shape below?



Area:

Perimeter:

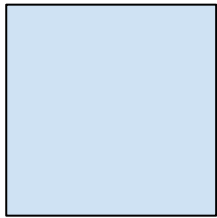
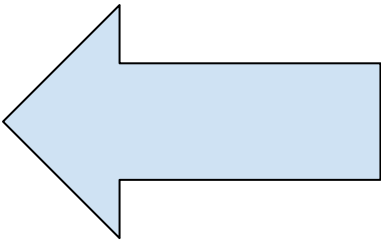


Area:

Perimeter:

74. 1 hour, 45 minutes + 98 minutes =

75. Draw lines of symmetry:



76. Draw the following types of lines:

A. Parallel

B. Perpendicular

### C. Intersecting

77. What is the difference between a square and a rectangle? (Draw them if that helps)

78. What is the difference between a trapezoid and a rectangle? (Draw them if that helps)

Data and Analysis:

Day	Sneakers Sold	Winter Boots Sold
Monday- 12/1	63	35
Tuesday- 12/2	54	567
Wednesday- 12/3	88	94
Thursday- 12/4	35	85
Friday- 12/5	91	87
Saturday- 12/6	101	71
Sunday- 12/7	24	99

79. What day did Superior Shoes sell 6 more pairs of winter boots than sneakers?

80. How many more pairs of winter boots were sold on Tuesday than on Monday? Why do you think this is?

81. How many items were sold on Tuesday and Thursday in all?