

**Grade 6 Math Summer Math Packet**

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

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

1. Find the sum:  $2\frac{1}{2} + 5\frac{5}{7} = \square$  1. \_\_\_\_\_
  
2. If there are 2 quarters, 3 dimes and 5 pennies, what is the total value in pennies? 2. \_\_\_\_\_
  
3. In calculating the perimeter of a trapezoid, Aurora measured sides of  $14\frac{1}{2}$  cm, 23 cm, 11 cm, and  $18\frac{2}{3}$  cm. What is the perimeter of this trapezoid? 3. \_\_\_\_\_
  
4. While cleaning out his closet, Edgar discovered his old collection of comic books. The comic books were stored in 8 boxes, each containing the same number. If Edgar had 376 comic books in storage, how many were in each box? 4. \_\_\_\_\_
  
5. What is the value of  $4 \times (18 - 7)$ ? 5. \_\_\_\_\_
  
6. When 4392.45 takes on a new value of 4390, to what place has been rounded? 6. \_\_\_\_\_

7. Colandra swam two laps in 32.176 seconds.

32.176

What does the 7 represent?

7. \_\_\_\_\_

8. Find the difference:

$$3\frac{1}{3} - 2\frac{4}{5}$$

8. \_\_\_\_\_

9. Which of the following describes dividing 6 by  $\frac{1}{2}$ ?

- A. cutting 6 pieces of cake each in half
- B. cutting 2 pieces of cake each in sixths
- C. cutting 2 pieces of cake each in half
- D. cutting 6 pieces of cake each in sixths


9. \_\_\_\_\_

10. Simplify:  $\frac{2}{3} + \frac{1}{9}$

10. \_\_\_\_\_

11. Al sold 127 tickets to his school play. Each ticket cost \$7. How much money did Al collect in all?

11. \_\_\_\_\_

12. Simplify:  $3\frac{1}{2} \cdot 2\frac{1}{4}$  12. \_\_\_\_\_
13. Simplify:  $\frac{3}{5} \cdot \frac{4}{7}$  13. \_\_\_\_\_
14. Find the difference between  $\frac{7}{12}$  and  $\frac{5}{18}$ . 14. \_\_\_\_\_
15. Which expression is equivalent to  $7(5 + 1)$ ? 15. \_\_\_\_\_
- A.  $12 + 8$       B.  $35 + 7$       C.  $35 + 1$       D.  $12 + 7$
16. Which expression can be used to find the area of the rectangle? 16. \_\_\_\_\_
- A.  $(2 + 9) + (2 + 9)$       B.  $2(9 + 9)$   
 C.  $4 \times 11$       D.  $2 \times 9$
- 
17. The price per ounce of coffee beans is \$0.438. How much is the price rounded to the nearest cent (hundredth)? 17. \_\_\_\_\_

18. Mrs. Smith's class bought a gift that cost \$84. Each student contributed \$3. How many students were in the class? 18. \_\_\_\_\_

19. How is 0.692 written in words? 19. \_\_\_\_\_

20. Brenda had \$11. She received \$3 more as her allowance. Then she spent \$7 on a new toy. Which shows how much money she has now? 20. \_\_\_\_\_

A.  $11 + 3 + 7$

B.  $11 - 3 + 7$

$\$11$	$\$3$	$\$7$
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C.  $11 + 3 - 7$

D.  $11 - 3 - 7$

21. If a supermarket shelf holds 266 cans of vegetables, how many cans will 19 of these shelves hold? 21. \_\_\_\_\_

22. Which of the decimal numbers below is less than 34.86? 22. \_\_\_\_\_

A. 35.01

B. 34.92

C. 34.87

D. 33.99

23. There are 3 cases of furniture wax. Each shelf holds  $\frac{1}{9}$  case.

23. \_\_\_\_\_

$$3 \div \frac{1}{9} = \square$$

How many shelves?

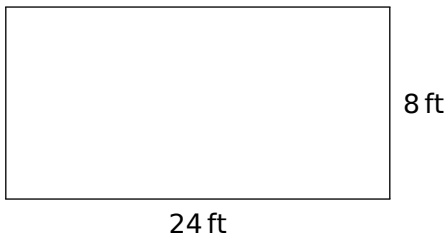
24. What is the value of  $x$ ?

24. \_\_\_\_\_

$$(4 \times 3) \div (7 - 5) = x$$

25. Mr. Donovan wants to hang a string of lights around a store window. The length and width of the window are shown here:

25. \_\_\_\_\_



Which of these equations can Mr. Donovan use to find  $f$ , the number of feet of lights needed for the perimeter of the window?

A.  $24 \times 8 = f$

B.  $24 \div 8 = f$

C.  $2(24) + 2(8) = f$

D.  $24 + 8 = f$

26. There are 3 cases of furniture wax. Each shelf holds  $\frac{1}{9}$  case.

26. \_\_\_\_\_

$$3 \div \frac{1}{9} = \square$$

How many shelves?

27. There are 3 cases of furniture wax. Each shelf holds  $\frac{1}{9}$  case.

27. \_\_\_\_\_

$$3 \div \frac{1}{9} = \square$$

How many shelves?

28. What is the value of the expression below?

28. \_\_\_\_\_

$$(12 - 5) + (8 \times 4)$$

29. a) Write the standard form of each number.

29. \_\_\_\_\_

eighty-one million, twenty-two thousand, one \_\_\_\_\_

fifty-five million, eight hundred three thousand, four hundred eighteen \_\_\_\_\_

b) Which number is smaller? Use  $<$ ,  $>$ , or  $=$  to compare.

\_\_\_\_\_

30. Simplify:  $\frac{7}{9} \cdot \frac{3}{4} \cdot \frac{2}{7}$

30. \_\_\_\_\_