



Gould School  
Sixth Grade Summer Packet

Welcome to 6th grade mathematics!!! This summer review packet is a review of fundamental skills as you transition to sixth grade mathematics.

Please read it carefully and make sure you answer all the questions, showing your work in a neat, organized fashion. Please remember to label your answers. An answer sheet is included in the packet.

The work contained in the math packet highlights concepts and other skills that you should be well versed in before entering sixth grade in September.

Below are just a few websites that you might find helpful.

<https://www.ixl.com/math/>

<https://www.khanacademy.org/math/k-8-grades>

All students will be required to submit their Summer Math Packet the first day of math class.

The Summer Math Packet will be scored and graded!

Also make sure you have your multiplication and division facts (0-12) mastered! They are a very important part of our curriculum.

See you in September! Have safe and happy summer!!!



Mrs. Nikow



## Entering 6th Grade Summer Math Packet

Name \_\_\_\_\_ Homeroom Teacher \_\_\_\_\_

I have checked the work completed: \_\_\_\_\_  
(Parent Signature)

1. Simplify the following numerical expression.

$$(14 - 6) + 3 \times 2 = \underline{\hspace{2cm}}$$

2. Write a numerical expression for "two times the sum of three and five.".

\_\_\_\_\_

3. Complete the table then write a rule for completing the table.

Input	Output
3	18
5	30
8	48
	54
	72

Rule: \_\_\_\_\_

4. The table below shows the number of gallons in the gas tank each second as it fills. If the pattern continues, how much gas will be in the tank after 6 seconds?

Seconds Pumping Gasoline	1	2	3	4
Gallons in the Tank	0.15	0.30	0.45	0.60

Answer \_\_\_\_\_

5. Which expression shows how to solve  $6 \times 53$  with mental math? Circle the letter of the answer.

- a.  $(6 \times 5) + (6 \times 3)$    b.  $(6 \times 50) + (6 \times 3)$    c.  $(6 \times 50) + (6 \times 30)$    d.  $(6 \times 5) + (6 \times 30)$

6. Simplify:  $30 - 21 \div 3 + (15 - 3)$  \_\_\_\_\_

7. Tom has a certain number of books,  $b$ . The number of books Mike has is 4 times as great. Write an expression that can be used to find the number of books Mike has.

\_\_\_\_\_

8. Write the number "seven and fifteen thousandths" in standard form. \_\_\_\_\_

9. Order the following numbers from greatest to least:

25.031      25.013      25.103      25.310

\_\_\_\_\_

10. Write the following expression in standard form.

$$(2 \times 100) + (6 \times 10) + (3 \times 1) + (4 \times \frac{1}{10}) + (7 \times \frac{1}{100}) = \underline{\hspace{2cm}}$$

11. Write  $10^5$  in standard form. \_\_\_\_\_

12. Insert  $=$ ,  $<$ , or  $>$

11.7 \_\_\_\_\_ 11.34

0.033 \_\_\_\_\_ 0.25

13. Write the following word phrase in numerals:

one hundred seven and nineteen thousandths \_\_\_\_\_

14. Round 543.256 to the nearest tenth. \_\_\_\_\_

15. Michelle's check for lunch at the deli was \$ 14.26. She paid with a \$20 bill. How much change did she receive? \_\_\_\_\_

Simplify the following. Show all work!!

WORK AREA

16.  $3,684 \div 12 =$  \_\_\_\_\_

17.  $5,906 \times 87 =$  \_\_\_\_\_

18.  $37 + 7.7 =$  \_\_\_\_\_

19.  $0.49 \times 0.07 =$  \_\_\_\_\_

20.  $68.64 \div 4 =$  \_\_\_\_\_

21. Jane works 2 days a week after school. On Monday she works  $2\frac{1}{2}$  hours and on Wednesday she works  $3\frac{2}{3}$  hours. How many hours more does she work on Wednesday? Write an equation to represent the problem and use it to answer the question.

Equation \_\_\_\_\_

Answer \_\_\_\_\_

22. It takes  $\frac{3}{4}$  cups of ice cream and  $\frac{1}{2}$  cup of milk to make a milkshake. How many cups is that altogether? Write an equation to represent the problem and use it to answer the question.

Equation \_\_\_\_\_ Answer \_\_\_\_\_

23. John lives  $\frac{5}{6}$  of a mile from school. Bob lives twice as far as John. How far does Bob live from school? Write an equation to represent the problem and use it to answer the question.

Equation \_\_\_\_\_ Answer \_\_\_\_\_

24. One-sixth of the seats in the auditorium were reserved for parents and  $\frac{1}{8}$  of the seats were reserved for the teachers. What fraction of the seats were reserved altogether and what fraction was left for general admission?

Total reserved \_\_\_\_\_ General Admission \_\_\_\_\_

Solve the following. Show all work!

WORK AREA

25.  $4 - 1\frac{2}{3} =$  \_\_\_\_\_

26.  $\frac{1}{5} + \frac{3}{4} =$  \_\_\_\_\_

27.  $8 - 3\frac{5}{9} =$  \_\_\_\_\_

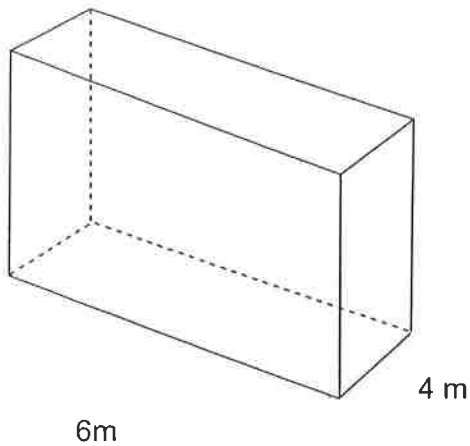
28.  $3\frac{3}{4} + 1\frac{2}{3} =$  \_\_\_\_\_

29. Liz is 52 inches tall and Christine is 4 feet 7 inches tall. Which girl is taller?

How much taller is she?

Which girl? \_\_\_\_\_ By how much? \_\_\_\_\_

30. What is the volume of the figure shown below? \_\_\_\_\_



31. David hiked a 13 kilometer trail in Pennsylvania. How many meters did he hike? \_\_\_\_\_

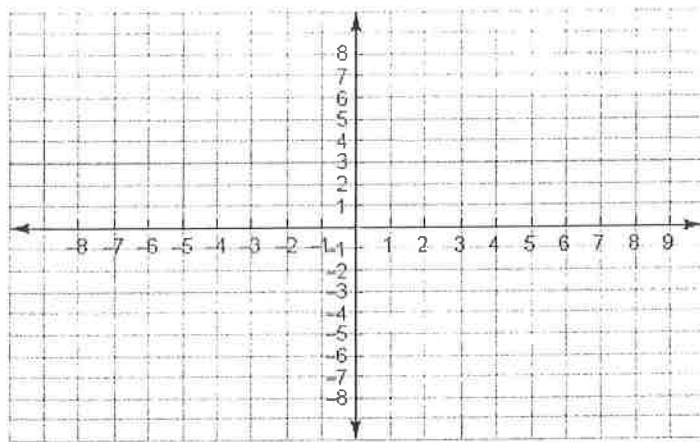
32. Lou has a container with 2.95 liters of laundry detergent. How many milliliters of detergent are in the container? \_\_\_\_\_

33. Plot and label the following points on the coordinate plane.

A (1,2)      B (1,5)      C. (5,2)      D. (5,5)

Next connect the points and name the figure. \_\_\_\_\_

Find the area of the figure. \_\_\_\_\_



34. Compare using =, < , or >.

$$\frac{3}{8} \underline{\hspace{1cm}} 2\frac{1}{8}$$

$$4\frac{2}{3} \underline{\hspace{1cm}} \frac{14}{3}$$

$$\frac{4}{5} \underline{\hspace{1cm}} \frac{6}{5}$$

35. As a decimal, the fraction  $\frac{1}{10}$  is written as which one of the following?

Circle the correct letter.

- a. 1.0      b. 0.1      c. 0.01      d. 0.001

36. . The number 790,468,622 < \_\_\_\_\_. Circle the correct answer.

- a. 790,468,633      b. 790,468,622      c. 790,468,131      d. 790,467,419

37. Roberto had eight baseball cards. He brought h more baseball cards. How many

baseball cards does Roberto have? Circle the correct answer.



- a.  $8 - h$     b.  $h - 8$     c.  $h + 8$     d.  $h - 8 +$   
38. Find the value of the following expression.

$35 + (29 + n)$  if  $n = 32$  \_\_\_\_\_

39. What is the word form of 12,400,086,320? Circle the correct answer.

- a. One hundred two billion, four hundred million, eighty -six thousand, three hundred twenty
- b. Twelve billion, four hundred eighty-six thousand, three hundred twenty
- c. Twelve billion, four hundred million, eighty-six thousand, three hundred twenty
- d. Twelve billion, four hundred million eighty six thousand, thirty-two

40. Walter left for vacation at 8:00 A.M. He drove at an average speed of 65 miles per hour. How many miles did Walter travel by 5:00 P.M.? \_\_\_\_\_



Name \_\_\_\_\_ Math Class \_\_\_\_\_ Homeroom \_\_\_\_\_

**Answer Sheet**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. Missing values: \_\_\_\_\_ and \_\_\_\_\_

Rule : \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

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

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

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

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

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

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19.. \_\_\_\_\_

20. \_\_\_\_\_

21. Equation \_\_\_\_\_ Answer \_\_\_\_\_

22.. Equation \_\_\_\_\_ Answer \_\_\_\_\_

23. Equation \_\_\_\_\_ Answer \_\_\_\_\_

24. Total reserved \_\_\_\_\_ General Admission \_\_\_\_\_

25. \_\_\_\_\_ 26. \_\_\_\_\_ 27. \_\_\_\_\_ 28. \_\_\_\_\_

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

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

31. \_\_\_\_\_

32. \_\_\_\_\_

33. Follow directions in packet, place answer on grid in packet .

name \_\_\_\_\_ area \_\_\_\_\_

34. \_\_\_\_\_

35. \_\_\_\_\_

36. \_\_\_\_\_

37. \_\_\_\_\_

38. \_\_\_\_\_

39. \_\_\_\_\_

40. \_\_\_\_\_