

Name _____ Homeroom _____



Gould School
Sixth Grade Summer Packet

Welcome to 6th grade mathematics!!! This summer Math packet is a review of fundamental skills you will need 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 on the first day of school.

To make sure you get all the points possible, **get it signed by a parent!** .

The Summer Math Packet will be scored and graded!

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

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





Miss Jones

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 6×53 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 more than Tom. 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 >

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 All together?

Total reserved _____

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

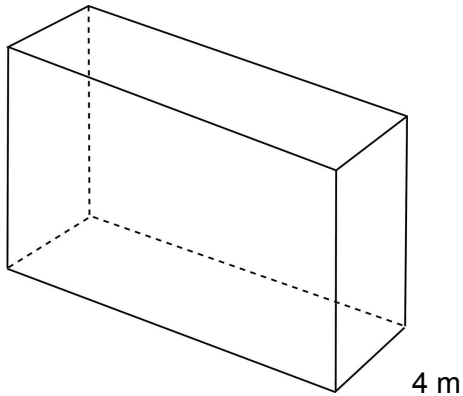
29. Liz is 52 inches tall and Christine is 4 feet 7 inches tall. Which girl is taller?

How much taller is she?

Which girl? _____ By how much? _____

30. What is the volume of the figure shown below? _____

The height is 5 m.



31. How do you find the area of a rectangle? _____

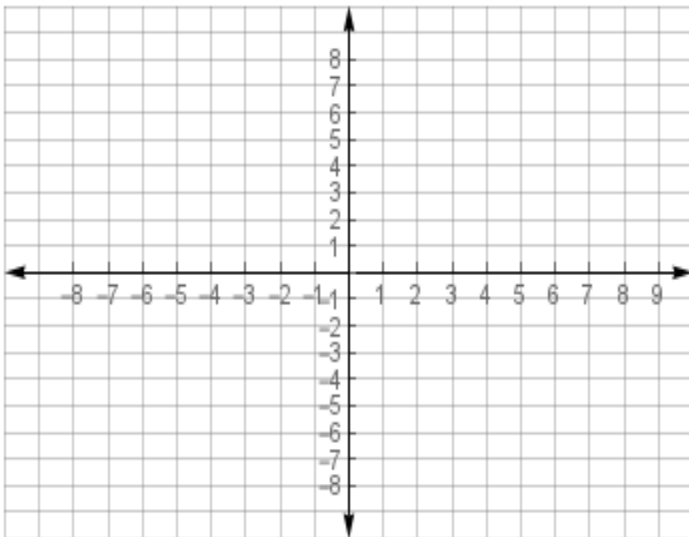
32. If a rectangle is 15 inches wide and 4 inches long, what is the area?

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 is $<$ _____. Circle the correct answer.

- a. 790,468,633 b. 790,468,622 c. 790,468,131 d. 790,467,41

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.? _____

