Gould School
4th Grade Summer Packet

Welcome to 4th grade mathematics! This summer review packet is a review of fundamental skills as you transition to fourth grade.

Please read it carefully and make sure you answer all of the questions, <u>showing your work</u> in a <u>neat, organized</u> fashion.

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

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

See you in September! Have safe and happy summer!

Entering 4th Grade Summer Math Packet

First Name:_____   Last Name: _____

I have checked the work completed:_____
                                                    Parent Signature

1. Write the products:

4	8	11	2	2	7	10	12	6	5	9	5	0
x2	x4	x2	x5	x3	x5	x3	x4	x3	x4	x4	x3	x2

3	9	2	5	7	10	6	5	11	1	4	8	11
x3	x5	x7	x5	x4	x4	x4	x2	x5	x3	x5	x2	x4

6	8	6	3	9	10	12	3	7	4	9	4	12
x5	x4	x2	x4	x3	x2	x3	x5	x3	x4	x2	x3	x2

2. Which correctly completes the number sentences?   53,277<_____
   A. 49,999
   B. 50,400
   C. 52,388
   D. 61,003

3. What is the digit in the ten-thousands place of the number 68,173?
   A. 1
   B. 6
   C. 8

4. Which number is equal to 5,912?
   A. 5 hundreds, 9 tens, and 12 ones
   B. 5 thousands, 91 hundreds, and 12 ones
   C. 5 thousands, 9 hundreds, and 12 ones
   D. 5 thousands, 9 hundreds, 1 ten, and 2 ones

5. The number 9,036 is equal to which of the following?

    A. 900 + 30 + 6

    B. 90 + 30 + 6

    C. 9000 + 30 + 6

6. Which number goes in the blank to make the statement below true?

$$5,642 < \underline{\hspace{1cm}} < 6,633$$

    A. 6,931

    B. 5,610

    C. 6,745

    D. 5,841

7. When counting by 6's which of the following patterns is correct?

    A. 0, 6, 12, 16, 22, 28, 34

    B. 0, 6, 12, 18, 25, 31, 37

    C. 0, 6, 12, 18, 24, 30, 36

8. What number comes next in the pattern 41, 43, 45, 47, _____?

    A. 48

    B. 49

    C. 50

9. Martina has a new box of 64 crayons. She drops the box and 17 crayons are broken. How many crayons are **NOT** broken?

    A. 47 crayons

    B. 57 crayons

    C. 53 crayons

    D. 81 crayons

10. How much is 2,470 + 1,423? Show your work.

    A. 1,053

    B. 3,763

    C. 3,893

11. How much is 8,965 subtracting 3,525? Show your work.

    A. 5,440   C. 6,440

    B. 5,480   D. 12,490

12. The lunchroom serves only hamburgers and pizza on Mondays. Last Monday, 314 students bought a lunch. There were 97 students who bought hamburgers. Which of the following is *closest* to the number of students who bought pizza?
    A. 100 students
    B. 200 students
    C. 300 students
    D. 400 students

13. Which division statement is related to 6 x 4?
    A. 24 divided by 4
    B. 64 divided by 4
    C. 10 divided by 6
    D. 24 divided by 3

14. A classroom has 5 rows of desks with 5 desks in each row. Which number sentence shows how to figure this out?
    A. 5 + 5 = 10 desks
    B. 5 x 5 = 25 desks
    C. 2 x 5 = 10 desks
    D. 5 divided by 5 = 25 desks

15. Which of the following is a true statement?
    A. 8 x 2 = 4 x 4
    B. 1 x 1 = 1 + 1
    C. 10 x 3 = 10 + 10
    D. 6 x 6 = 5 x 5 + 1

16. There are 8 socks in Vic's drawer. How many pairs are there?
    A. 2
    B. 3
    C. 4
    D. 16

17. Which multiplication fact can be used to find the answer to 56 ÷ 7?
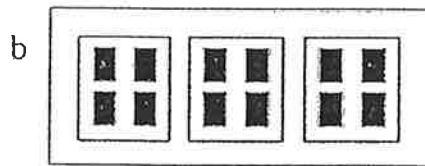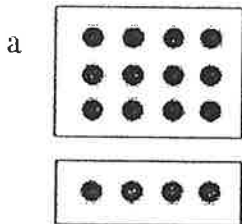   A. 7 x 5
    B. 7 x 8
    C. 56 x 7

18. Solve this problem mentally: 500 x 6 =
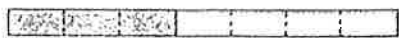
    A. 300

    B. 530

    C. 3000

19. John had exactly 32 pennies. He sorted the pennies into stacks of 5 pennies each. How many pennies were left over?

    A. 37

    B. 6

    C. 2

    D. 0

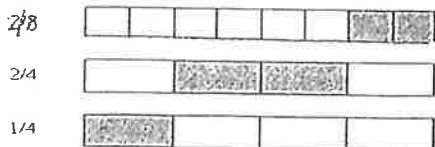20. Which picture represents the equation $12 \div 3 = 4$?

a   b   c

21. What fraction is shown by this strip?

    A. $\dfrac{3}{4}$ B. $\dfrac{3}{6}$ C. $\dfrac{3}{7}$

22. Which two fractions are equivalent?

2/8

2/4

1/4

    A. $\dfrac{2}{8} = \dfrac{2}{4}$ B. $\dfrac{2}{8} = \dfrac{1}{4}$ C. $\dfrac{2}{4} = \dfrac{1}{4}$
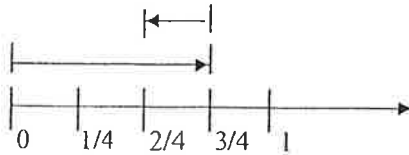
23. Which set shows fractions ordered from least to greatest? Draw a picture.

A. $\dfrac{1}{4}$, $\dfrac{1}{2}$, $\dfrac{6}{8}$

B. $\dfrac{1}{2}$, $\dfrac{1}{4}$, $\dfrac{1}{8}$

C. $\dfrac{1}{2}$, $\dfrac{2}{4}$, $\dfrac{3}{8}$

24. Which number sentence is best represented by the model below?

A. ¼ + 2/4 = ¾

B. ¾ - ¼ = ¾

C. ¾ - ¼ = 2/4

D. ¾ + 2/4 = ¾

25. Insert <, >, or = in the following blank lines. Draw a picture to help you.

A. 1/5 _____ 1/9

B. 1/6 _____ 1/3

C. 4/5 _____ 2/5

D. 1/2 _____ 2/4

E. 2/6 _____ 4/6

26. Eva has $4.00 to spend on apples. Each apple costs $0.50. How many apples can Eva buy?

A. 2

B. 4

C. 6

D. 8

27. Michelle has a string which is 3 feet and 8 inches long and John has a string which is two feet and six inches long. How much longer is Michelle's string?

    A. 2 inches

    B. 10 inches

    C. 1 foot and 2 inches

    D. 1 foot and 10 inches

28.

_____ days in a week	_____ minutes in an hour	_____ ounces in a pound
_____ months in a year	_____ inches in a foot	_____ seconds in a minute
_____ hours in a day	_____ feet in a yard	_____ weeks in a year

29. Mike began his bike ride at 2:40 p.m. and finished the ride at 3:20 p.m. How many minutes did Mike ride?

    A. 20 minutes

    B. 40 minutes

    C. 60 minutes

30. What is the date two weeks after June 8?

JUNE

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

    A. June 10
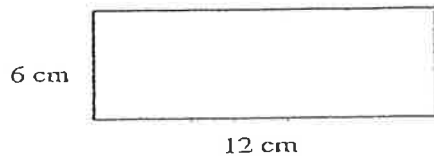
    B. June 15

    C. June 22

31. Joey is meeting Tom at the movies at 1:45. The clock below shows what time it is now. How much time does Joey have to wait before he meets Tom?

    A. 4 hours 45 minutes

    B. 5 hours 20 minutes

    C. 7 hours 20 minutes

32. Which of the following represents the *greatest* length?

    A. 10 inches

    B. 1 ½ inches

    C. 1 ½ feet

    D. 1 foot

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6 cm

12 cm
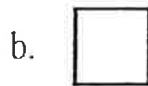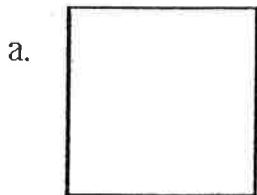
33. What is the perimeter of the above rectangle?

    A. 18 cm

    B. 30 cm

    C. 36 cm

34. What is the area of the above rectangle?

    A. 36 square cm

    B. 72 square cm

    C. 36 square cm

    D. 18 cm

35. Which of these squares is closer to 1 square centimeter?   A or B

a.

b.

36. Mary worked on homework for 20 minutes on Tuesday. She worked on homework for 1 hour and 45 minutes on Wednesday. How much time did she spend doing homework all together on both days?

    A. 2 hours

    B. 2 hours and 5 minutes

    C. 2 hours and 25 minutes

37. Which figure has four sides?

    A. Trapezoid

    B. Circle

    C. Triangle

    D. Pentagon

38. Solve each of these without using a calculator:

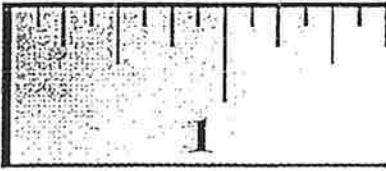|		
$4 \times 6 =$ _____	$8 \times 8 =$ _____	$2 \times 7 =$ _____
$2 \times 9 =$ _____	$5 \times 5 =$ _____	$9 \times 6 =$ _____
$8 \times 5 =$ _____	$2 \times 2 =$ _____	$3 \times 4 =$ _____
$32 \div 4 =$ _____	$7 \times 7 =$ _____	$56 \div 7 =$ _____
$72 \div 9 =$ _____	$18 \div 2 =$ _____	$3 \times 8 =$ _____
$45 \div 9 =$ _____	$4 \times 4 =$ _____	$8 \times 7 =$ _____
$24 \div 3 =$ _____	$3 \times 3 =$ _____	$3 \times 8 =$ _____
$4 \times 6 =$ _____	$6 \times 6 =$ _____	$1 \times 9 =$ _____

39. Place the following fractions where they belong on the number line:

2/4   3/4   1/4
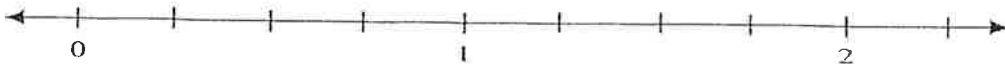
40. Place these fractions where they belong on the ruler:

1/2   3/4   1/4

41. Label the following lines:
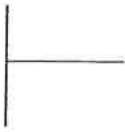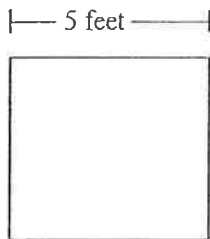

A. Parallel
B. Intersecting
C. Perpendicular

A. Parallel
B. Intersecting
C. Perpendicular

42. Brent planted vegetables in the square garden pictured below.

|— 5 feet —|

What is the area of the garden?   (Area = length x width)
    A. 10 square feet
    B. 20 square feet
    C. 25 square feet
    D. 55 square feet

43. Kayla read a book that was 54 pages long. She read 6 pages each day. Which number sentence below can be used to determine the total number of days it took Kayla to read the entire book?
    A. 54 - 6 = ?
    B. 54 ÷ 6 = ?
    C. 54 + 6 = ?

44. Find the quotients.

$2\overline{)2}$ $3\overline{)9}$ $8\overline{)32}$ $7\overline{)49}$ $5\overline{)10}$ $4\overline{)0}$ $1\overline{)1}$ $4\overline{)8}$ $2\overline{)12}$ $9\overline{)54}$ $1\overline{)3}$ $1\overline{)2}$ $2\overline{)4}$ $2\overline{)14}$

$8\overline{)8}$ $7\overline{)63}$ $8\overline{)40}$ $5\overline{)0}$ $4\overline{)4}$ $4\overline{)12}$ $9\overline{)45}$ $9\overline{)63}$ $6\overline{)6}$ $3\overline{)12}$ $1\overline{)7}$ $3\overline{)0}$ $1\overline{)9}$

$2\overline{)16}$ $3\overline{)3}$ $3\overline{)15}$ $5\overline{)20}$ $3\overline{)18}$ $3\overline{)6}$ $5\overline{)15}$ $7\overline{)0}$ $9\overline{)27}$ $4\overline{)16}$ $7\overline{)21}$ $4\overline{)20}$ $7\overline{)28}$

$8\overline{)16}$ $3\overline{)21}$ $9\overline{)18}$ $4\overline{)24}$ $2\overline{)6}$ $1\overline{)8}$ $5\overline{)35}$ $7\overline{)35}$ $3\overline{)27}$ $6\overline{)36}$ $3\overline{)24}$ $2\overline{)0}$ $4\overline{)32}$

$9\overline{)9}$ $4\overline{)36}$ $6\overline{)42}$ $5\overline{)40}$ $8\overline{)64}$ $7\overline{)14}$ $6\overline{)30}$ $8\overline{)56}$ $1\overline{)5}$ $4\overline{)28}$ $7\overline{)56}$ $8\overline{)24}$ $6\overline{)24}$

$81 \div 9 = \underline{\hspace{1cm}}$ $48 \div 6 = \underline{\hspace{1cm}}$ $18 \div 6 = \underline{\hspace{1cm}}$ $42 \div 7 = \underline{\hspace{1cm}}$

$10 \div 2 = \underline{\hspace{1cm}}$ $54 \div 6 = \underline{\hspace{1cm}}$ $36 \div 9 = \underline{\hspace{1cm}}$ $45 \div 5 = \underline{\hspace{1cm}}$

$72 \div 8 = \underline{\hspace{1cm}}$ $8 \div 2 = \underline{\hspace{1cm}}$ $72 \div 9 = \underline{\hspace{1cm}}$ $6 \div 1 = \underline{\hspace{1cm}}$

$25 \div 5 = \underline{\hspace{1cm}}$ $5 \div 5 = \underline{\hspace{1cm}}$ $18 \div 2 = \underline{\hspace{1cm}}$ $30 \div 5 = \underline{\hspace{1cm}}$

$12 \div 6 = \underline{\hspace{1cm}}$ $4 \div 1 = \underline{\hspace{1cm}}$ $48 \div 8 = \underline{\hspace{1cm}}$ $7 \div 7 = \underline{\hspace{1cm}}$

45. Write the following fractions in decimal form.   Remember: . tenths hundredths

$4/10 = \underline{\hspace{1cm}}$ $8/10 = \underline{\hspace{1cm}}$ $23/100 = \underline{\hspace{1cm}}$ $56/100 = \underline{\hspace{1cm}}$

$8/100 = \underline{\hspace{1cm}}$ $5/10 = \underline{\hspace{1cm}}$ $66/100 = \underline{\hspace{1cm}}$ $2/10 = \underline{\hspace{1cm}}$