

**SUMMER MATH PACKET**  
**For Students Entering**  
**4th Grade Math**

THIRD GRADE LEVEL EXPECTATIONS IN MATHEMATICS - these are some general concepts for your student to know coming into fourth grade.

1. Read, write and order numbers to 10,000 in both numerals and words.
2. Identify the place value of a digit in a number. Example: 3,241, the 2 is in the hundreds place.
3. Recognize and use expanded notation for numbers to 9,999. Example: 2,517 is  $2,000 + 500 + 10 + 7$ ; and 4 hundreds and 2 ones is 402.
4. Can count orally by 6's to 72, 7's to 84, 8's to 96 and 9's to 108. From previous years they should already know how to count by 2's, 3's, 4's, 5's and 10's.
5. Know even numbers end in 0, 2, 4, 6, or 8 and odd numbers end in 1, 3, 5, 7, or 9.
6. Add and subtract fluently two numbers with regrouping through 999.
7. Can estimate the sum or difference of two numbers with 3 digits (rounding the numbers then adding or subtracting them).
8. Know multiplication facts through  $12 \times 12$  fluently.
9. Understand multiplication and division fact families and the inverse relationship of these two operations (just like addition and subtraction). Example:  $3 \times 8 = 24$ , the  $24 \div 8 = 3$  and  $24 \div 3 = 8$ .
10. Can solve  $7 \times \underline{\quad} = 42$  or  $12 \div \underline{\quad} = 4$  using the above inverse relationship between multiplication and division as stated in #9. Example:  $7 \times \underline{\quad} = 42$  think  $42 \div 7 = 6$  so  $7 \times 6 = 42$ .
11. Use multiples of ten when multiplying (Example:  $30 \times 4 = 120$ )
12. Understand basic fractions and the terms numerator and denominator.
13. Recognize, name and use equivalent fractions; compare fractions. Can use fraction strips.
14. Add and subtract money in dollars and cents.
15. Use common units of measurements in length, weight, and time. Example: 12 inches = 1 foot; 3 feet = 1 yard; 60 minutes = 1 hour; 24 hours = 1 day; 12 months = 1 year.
16. Know benchmark temperatures such as freezing ( $32^{\circ}\text{F}$ ,  $0^{\circ}\text{C}$ ); boiling ( $212^{\circ}\text{F}$ ,  $100^{\circ}\text{C}$ ).
17. Know that meters and centimeters are measurement like feet and inches; kilograms and grams are weight like pounds; liters and milliliters are like ounces (capacity of liquid).

18. Can calculate the perimeter of a square or rectangle. Perimeter is the outer edge; you add the lengths of the 4 sides.

19. Understand that area of a square or rectangle is the space in the middle (length x width).

20. Identify perpendicular and parallel lines. Perpendicular- two lines that form a right angle. Parallel- two lines that will never cross they go along side one another.

21. Identify two-dimensional shapes: parallelogram, trapezoid, circle, rectangle, square, and rhombus.

22. Identify three-dimensional solids: cube, rectangular prism, sphere, pyramid, and cone. Faces are the flat surface, edges are the straight folds where 2 faces come together, vertices is the point where 3 or more edges come together.

23. Read and interpret bar graphs, line graphs, line plots, and pictographs

## TERMS

Sum: the answer to an addition problem.

Difference: the answer to a subtraction problem.

Product: answer to a multiplication problem.

Quotient: answer to a division problem.

Vertex: This is all the corners of a figure. The point where 3 or more edges come together.

Perimeter: You add up all the sides. (You are adding all lengths of the outer edges together.)

Area: Area of a square or rectangle = length (l) x width (w) answer is written in "square inches" (or whatever the measurement is) Area of a parallelogram is length x height.

Entering 4th Grade Summer Math Packet

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

4th Grade Teacher: \_\_\_\_\_

I have checked the work completed: \_\_\_\_\_

Parent Signature: \_\_\_\_\_

DO NOT use a calculator when completing this packet.

1. Write the products: Practice any you do not know quickly.

4	8	11	2	2	7	10	12	6	5	9	5	0
<u>x2</u>	<u>x4</u>	<u>x2</u>	<u>x5</u>	<u>x3</u>	<u>x5</u>	<u>x3</u>	<u>x4</u>	<u>x3</u>	<u>x4</u>	<u>x4</u>	<u>x3</u>	<u>x2</u>

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

6	8	6	3	9	10	12	3	7	4	9	4	12
<u>x5</u>	<u>x4</u>	<u>x2</u>	<u>x4</u>	<u>x3</u>	<u>x2</u>	<u>x3</u>	<u>x5</u>	<u>x3</u>	<u>x4</u>	<u>x2</u>	<u>x3</u>	<u>x2</u>

2. Mrs. Clark was born in the year one thousand, nine hundred forty-five. In what year was she born?

- A. 1429
- B. 1492
- C. 1924
- D. 1945

3. Which correctly completes the number sentences?  $53,277 < \underline{\hspace{2cm}}$

- A. 46,931
- B. 55,610
- C. 66,745
- D. 59,841

4. Which number is five hundred and thirty five?

- A. 53
- B. 535
- C. 5,350
- D. 553

5. What is the digit in the thousands place of the number 68,173?

- A. 1
- B. 6
- C. 8

6. What is the place value of the 2 in the number 5,280?

- A. ones
- B. tens
- C. hundreds
- D. thousands

7. Which number is equal to 6,812?

- A. 6 hundreds, 9 tens, and 12 ones
- B. 6 thousands, 81 hundreds, and 12 ones
- C. 6 thousands, 8 hundreds, and 12 ones
- D. 6 thousands, 8 hundreds, 1 ten, and 2 ones

8. The number 5,035 is equal to which of the following?

- A.  $500 + 30 + 5$
- B.  $50 + 30 + 5$
- C.  $5000 + 30 + 5$

9. 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

10. What number comes next in this pattern 41, 43, 45, 47, \_\_\_\_\_?

- A. 48
- B. 49
- C. 50

11. Maria has a new box of 54 crayons. She drops the box and 17 crayons are broken. How many crayons are NOT broken?

- A. 37 crayons
- B. 57 crayons
- C. 53 crayons
- D. 81 crayons

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

- A. 1,053
- B. 3,763
- C. 3,893

13. 92 subtract 65 =

- A. 17
- B. 23
- C. 27
- D. 13

14. 41 subtract 18 =

- A. 52
- B. 23
- C. 47
- D. 13

15. 333 subtract 273 =

- A. 50
- B. 30
- C. 60

16. The cafeteria serves only cheeseburgers and pizza on Mondays. Last Monday, 313 students bought a lunch. There were 98 students who bought cheeseburgers. 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

17. The best estimate of the sum of 387 and 402 is:

- A. 600
- B. 700
- C. 800
- D. 900

18. Which division statement is related to  $7 \times 4$ ?

- A. 28 divided by 4
- B. 64 divided by 4
- C. 10 divided by 6
- D. 28 divided by 2

19. There are 36 pieces of gum in a bag. Johnny empties the bag by giving 6 pieces to each of his friends. How many friends does he have?

- A.  $36 \text{ divided by } 6 = 6 \text{ friends}$
- B.  $36 + 6 = 42 \text{ friends}$
- C.  $36 \text{ divided by } 9 = 4 \text{ friends}$
- D.  $36 - 30 = 6 \text{ friends}$

20. A classroom has 6 rows of desks with 6 desks in each row. Which number sentence shows how to figure this out?

- A.  $6 + 6 = 12 \text{ desks}$
- B.  $6 \times 6 = 36 \text{ desks}$
- C.  $2 \times 6 = 12 \text{ desks}$
- D.  $6 \text{ divided by } 6 = 25 \text{ desks}$

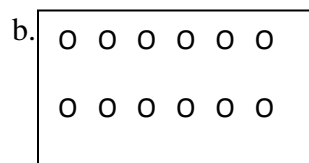
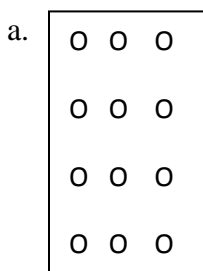
21. Which of the following is true?

- A.  $6 \times 3 = 4 \times 4$
- B.  $20 - 5 = 19 - 3$
- C.  $9 + 8 = 10 + 7$
- D.  $2 \times 3 = 2 + 3$

22. Which multiplication fact can be used to find the answer to  $63 \div 7$ ?

- A.  $7 \times 6$
- B.  $7 \times 9$
- C.  $63 \times 7$

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



24. What fraction is shown by this strip?



- A.  $\frac{3}{7}$       b.  $\frac{3}{6}$       c.  $\frac{2}{7}$       d.  $\frac{4}{7}$

25. Which of these two fractions are equivalent? Draw fraction strips to help you figure this out.

$\frac{1}{2}$        $\frac{2}{4}$        $\frac{3}{8}$

- A.  $\frac{1}{2} = \frac{2}{4}$   
B.  $\frac{1}{2} = \frac{3}{8}$   
C.  $\frac{2}{4} = \frac{3}{8}$

26. Which set shows fractions ordered from least to greatest? Draw a picture.

- A.  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{6}{8}$   
B.  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{1}{8}$   
C.  $\frac{1}{2}$ ,  $\frac{2}{4}$ ,  $\frac{3}{8}$

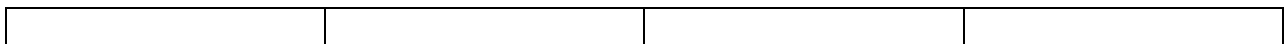
27. Which group of fractions is in order from least to greatest? Draw a picture.

- A.  $\frac{2}{2}$ ,  $\frac{3}{8}$ ,  $\frac{3}{4}$   
B.  $\frac{2}{2}$ ,  $\frac{3}{4}$ ,  $\frac{3}{8}$   
C.  $\frac{3}{4}$ ,  $\frac{3}{8}$ ,  $\frac{2}{2}$   
D.  $\frac{3}{8}$ ,  $\frac{3}{4}$ ,  $\frac{2}{2}$

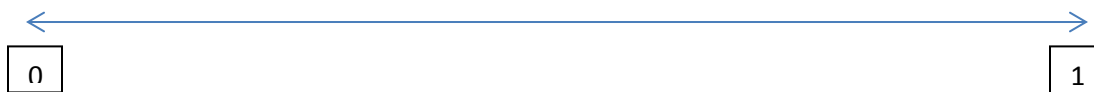
28. Insert  $<$ ,  $>$ , or  $=$  in the following blank lines. Draw a picture to help you.

- A.  $\frac{1}{5}$  \_\_\_\_\_  $\frac{1}{9}$   
B.  $\frac{1}{6}$  \_\_\_\_\_  $\frac{1}{3}$   
C.  $\frac{4}{5}$  \_\_\_\_\_  $\frac{2}{5}$   
D.  $\frac{1}{2}$  \_\_\_\_\_  $\frac{2}{4}$   
E.  $\frac{2}{6}$  \_\_\_\_\_  $\frac{4}{6}$

29. Shade in the fraction strip to represent  $\frac{2}{4}$ .



30. Please graph the fraction  $\frac{1}{6}$  on the number line





31. Write the fraction  $\frac{3}{4}$

- A. two fourths
- B. Three fourths
- C. One fourths
- D. four fourths

32. Please add to the shape below to make the figure a whole

$\frac{1}{6}$	$\frac{2}{6}$
$\frac{3}{6}$	$\frac{4}{6}$

33. Eric 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

34. Lisa 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 Lisa's string?

- A. 2 inches
- B. 10 inches
- C. 1 foot and 2 inches
- D. 1 foot and 10 inches

35. Julia is meeting Tom at the movies at 1:45pm. The clock below shows what time it is now in the morning. How much time does Julia has to wait before she meets Tom?



- A. 3 hours 45 minutes
- B. 3 hours 35 minutes
- C. 2 hours 25 minutes

36. Ella's little sister just turned 2 years old today. How many months old is her little sister?

- A. 2 months
- B. 12 months
- C. 24 months

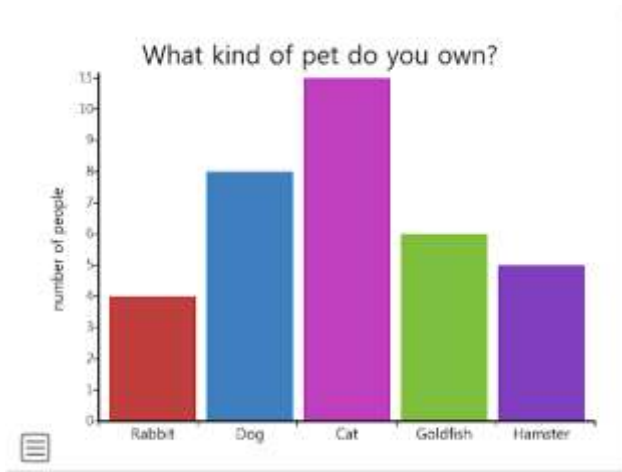
37. Write the products. Any that you do not know quickly, practice.

$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 10 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 11 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 12 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 12 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$

38.



What is the number of people that own rabbits?

- A. 3
- B. 8
- C. 6
- D. 1

39. What animal is the most owned by people?

- A. Rabbit
- B. Dog
- C. Cat
- D. Hamster



40. What is the perimeter of the above rectangle?

- A. 18 cm
- B. 30 cm
- C. 36 cm

41. What is the area of the above rectangle?

- A. 36 square cm
- B. 72 square cm
- C. 36 square cm
- D. 18 cm

42. Hannah worked on homework for 20 minutes on Tuesday. She worked on homework for 1 hour and 55 minutes on Wednesday. How much time did she spend doing homework all together on both days?

- A. 2 hours
- B. 2 hours and 15 minutes
- C. 2 hours and 25 minutes

43. Emma had \$9.85. She bought a toy for \$5.52. How much money does Emma have left?

- A. \$3.24
- B. \$4.33
- C. \$5.43
- D. \$15.37

44. Write the following numbers in expanded form. Ex.  $432 = 400 + 30 + 2$

$$3,402 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$5,325 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

45. Antonio wants to buy enough paint to cover an area of one wall of his bedroom. The wall is 9 feet high and 10 feet wide. How many square feet will the paint need to cover?

- A. 19 square feet
- B. 38 square feet
- C. 90 square feet
- D. 99 square feet

46. Which figure has four sides? (You can look the terms up in a dictionary.)

- A. Trapezoid
- B. Circle
- C. Triangle
- D. Pentagon

47. The shape of an orange is similar to a \_\_\_\_\_.

- A. cone
- B. cube
- C. prism
- D. sphere

48. Solve each of these without using a calculator:

$4 \times 6 = \underline{\hspace{2cm}}$

$8 \times 8 = \underline{\hspace{2cm}}$

$2 \times 7 = \underline{\hspace{2cm}}$

$2 \times 9 = \underline{\hspace{2cm}}$

$5 \times 5 = \underline{\hspace{2cm}}$

$9 \times 6 = \underline{\hspace{2cm}}$

$8 \times 5 = \underline{\hspace{2cm}}$

$2 \times 2 = \underline{\hspace{2cm}}$

$3 \times 4 = \underline{\hspace{2cm}}$

$32 \div 4 = \underline{\hspace{2cm}}$

$7 \times 7 = \underline{\hspace{2cm}}$

$56 \div 7 = \underline{\hspace{2cm}}$

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

$18 \div 2 = \underline{\hspace{2cm}}$

$3 \times 8 = \underline{\hspace{2cm}}$

$45 \div 9 = \underline{\hspace{2cm}}$

$4 \times 4 = \underline{\hspace{2cm}}$

$8 \times 7 = \underline{\hspace{2cm}}$

$24 \div 3 = \underline{\hspace{2cm}}$

$3 \times 3 = \underline{\hspace{2cm}}$

$3 \times 8 = \underline{\hspace{2cm}}$

$4 \times 6 = \underline{\hspace{2cm}}$

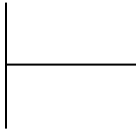
$6 \times 6 = \underline{\hspace{2cm}}$

$1 \times 9 = \underline{\hspace{2cm}}$

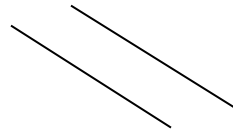
49. 23 children are waiting in line for a roller coaster. There are 5 carts that hold 4 people. Will all the children be able to ride together at the same time?

- A. Yes
- B. No

50. Label the following lines: (You can look the terms up in a dictionary if needed.)



- A. Parallel
- B. Intersecting
- C. Perpendicular



- A. Parallel
- B. Intersecting
- C. Perpendicular

51. Solve the following:

$1 \times 9 = \underline{\quad}$

$3 \times 6 = \underline{\quad}$

$9 \times 7 = \underline{\quad}$

$6 \times 2 = \underline{\quad}$

$8 \times 6 = \underline{\quad}$

$2 \times 2 = \underline{\quad}$

$3 \times 8 = \underline{\quad}$

$9 \times 9 = \underline{\quad}$

$24 \div 3 = \underline{\quad}$

$7 \times 7 = \underline{\quad}$

$56 \div 7 = \underline{\quad}$

$4 \times 0 = \underline{\quad}$

$48 \div 6 = \underline{\quad}$

$18 \div 6 = \underline{\quad}$

$7 \times 3 = \underline{\quad}$

$8 \times 8 = \underline{\quad}$

$36 \div 6 = \underline{\quad}$

$77 \div 7 = \underline{\quad}$

52. Find the answer.

$\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$
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$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 12 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$
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$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$
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$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ \times 3 \\ \hline \end{array}$
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$\begin{array}{r} 8 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$
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$$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$$

53. Kayla read a book that was 54 pages long. She read 9 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.  $54 - 9 = ?$
- B.  $54 \div 9 = ?$
- C.  $54 + 9 = ?$
- D.  $54 \times 9 = ?$

54. Find the quotients.

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

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

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

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

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

$$81 \div 9 = \underline{\hspace{2cm}} \quad 48 \div 6 = \underline{\hspace{2cm}} \quad 18 \div 6 = \underline{\hspace{2cm}} \quad 42 \div 7 = \underline{\hspace{2cm}}$$

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

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

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

$$12 \div 6 = \underline{\hspace{2cm}} \quad 4 \div 1 = \underline{\hspace{2cm}} \quad 48 \div 8 = \underline{\hspace{2cm}} \quad 7 \div 7 = \underline{\hspace{2cm}}$$

55. Find the sum or difference: Watch signs! When subtracting think: “Bottom bigger better borrow”

$\begin{array}{r} 135 \\ +479 \\ \hline \end{array}$	$\begin{array}{r} 546 \\ +137 \\ \hline \end{array}$	$\begin{array}{r} 71 \\ -18 \\ \hline \end{array}$	$\begin{array}{r} 50 \\ -26 \\ \hline \end{array}$	$\begin{array}{r} 304 \\ +235 \\ \hline \end{array}$	$\begin{array}{r} 63 \\ -42 \\ \hline \end{array}$	$\begin{array}{r} 426 \\ -135 \\ \hline \end{array}$
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$\begin{array}{r} 17 \\ +18 \\ \hline \end{array}$	$\begin{array}{r} 54 \\ -39 \\ \hline \end{array}$	$\begin{array}{r} 135 \\ -53 \\ \hline \end{array}$	$\begin{array}{r} 32 \\ +28 \\ \hline \end{array}$	$\begin{array}{r} 88 \\ +13 \\ \hline \end{array}$	$\begin{array}{r} 81 \\ -57 \\ \hline \end{array}$	$\begin{array}{r} 48 \\ -26 \\ \hline \end{array}$
--	--	---	--	--	--	--

$\begin{array}{r} 229 \\ -43 \\ \hline \end{array}$	$\begin{array}{r} 553 \\ -86 \\ \hline \end{array}$	$\begin{array}{r} 113 \\ +54 \\ \hline \end{array}$	$\begin{array}{r} 86 \\ +73 \\ \hline \end{array}$	$\begin{array}{r} 804 \\ -56 \\ \hline \end{array}$	$\begin{array}{r} 1306 \\ +672 \\ \hline \end{array}$	$\begin{array}{r} 89 \\ -47 \\ \hline \end{array}$
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$\begin{array}{r} 379 \\ +45 \\ \hline \end{array}$	$\begin{array}{r} 976 \\ -99 \\ \hline \end{array}$	$\begin{array}{r} 555 \\ +176 \\ \hline \end{array}$	$\begin{array}{r} 293 \\ -192 \\ \hline \end{array}$	$\begin{array}{r} 492 \\ +317 \\ \hline \end{array}$	$\begin{array}{r} 567 \\ -76 \\ \hline \end{array}$	$\begin{array}{r} 399 \\ +54 \\ \hline \end{array}$
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56. Write the number three hundred and sixty-five thousand two hundred and three in standard form.

\_\_\_\_\_

57. Write the following number in standard form:  $3,000 + 500 + 20 + 1 =$  \_\_\_\_\_

58. Write the following number in standard form:  $4,000 + 200 + 3 =$  \_\_\_\_\_

59. Write the following in expanded form:  $8,326 =$

\_\_\_\_\_

60. Write the following in expanded form:  $6,123 =$

\_\_\_\_\_

61. Please choose the correct sentence.

A.  $452 > 425$

B.  $555 < 545$

C.  $1,111 > 1,211$

D.  $343 = 434$

62. Please choose the correct sentence that has the numbers from greatest to least.
- A. 555, 556, 454, 55
  - B. 676, 67, 7, 6
  - C. 2323, 2333, 233, 3222
63. Please round 576 to the nearest hundred.
- A. 570
  - B. 600
  - C. 500
  - D. 550
64. Please round 1323 to the nearest ten.
- A. 1300
  - B. 1400
  - C. 1320
  - D. 1330
65. Jamie's vacation lasts 21 days. There are 7 days in a week. How many weeks long is Jamie's vacation?
- A. 3
  - B. 2
  - C. 4
66. Volunteers have been placed in groups of 7 to pick up garbage in the park. There are 6 groups. How many volunteers are there?
- A. 42
  - B. 49
  - C. 56
  - D. 35
67. There are 9 bicycles lined up in the park. How many wheels are there?
- A. 16
  - B. 27
  - C. 18
  - D. 12
68. A coffee shop bought a box of 326 cups. It has used 113 cups. How many cups are left?
- A. 439
  - B. 213



- C. 438
- D. 223

69. Jenna has 78 postcards from European countries and 127 postcards from the United States. How many postcards does Maya have in all?

- A. 205
- B. 49
- C. 206
- D. 55

70. What addition property is shown here:  $53 + 34 = 34 + 53$

- A. Associative
- B. Commutative
- C. Distributive

71. What multiplication property is shown here:  $(5 \times 2) \times 1 = 5 \times (2 \times 1)$

- A. Associative
- B. Commutative
- C. Distributive

72. What multiplication property is shown here:  $1 \times 0 = 0$

- A. Associative
- B. Identity
- C. Zero

73. Dana has 3 pieces of string. One piece is  $\frac{1}{6}$  of a yard, the second piece is  $\frac{1}{3}$  of a yard, and the third piece is  $\frac{3}{4}$  of a yard. List the pieces in order below:

\_\_\_\_\_

74. Autumn divides a poster into 7 equal parts to design. After he completes all 7 of the parts, what fraction of the poster is completed?

- A.  $\frac{2}{7}$
- B.  $\frac{7}{7}$
- C.  $\frac{7}{1}$
- D.  $\frac{1}{2}$