

Dear Students;

Please spend some time over the summer to answer the questions in the math packet. Note that there are a few pages where you may choose some of the math problems to complete. Try to do a few problems each week and do not save it all until the very last week!

You can do the work on the sheet or on a separate sheet of paper; however, it is very important that you show your work and return your work with your packet. If you use a separate sheet of paper, please number the problems by the page and problem number and staple to the back of the packet.

Practice your multiplication and division facts over the summer. I have included sheets for you to use. You can also find some fun math games on IXL, mathgames.com, and coolmathgames.com to name a few.

Have a great summer!

Mrs. Malachowski

Division Facts Tables

Name: _____

Date: _____

Dividing by 1
$1 \div 1 = 1$
$2 \div 1 = 2$
$3 \div 1 = 3$
$4 \div 1 = 4$
$5 \div 1 = 5$
$6 \div 1 = 6$
$7 \div 1 = 7$
$8 \div 1 = 8$
$9 \div 1 = 9$
$10 \div 1 = 10$
$11 \div 1 = 11$
$12 \div 1 = 12$

Dividing by 2
$2 \div 2 = 1$
$4 \div 2 = 2$
$6 \div 2 = 3$
$8 \div 2 = 4$
$10 \div 2 = 5$
$12 \div 2 = 6$
$14 \div 2 = 7$
$16 \div 2 = 8$
$18 \div 2 = 9$
$20 \div 2 = 10$
$22 \div 2 = 11$
$24 \div 2 = 12$

Dividing by 3
$3 \div 3 = 1$
$6 \div 3 = 2$
$9 \div 3 = 3$
$12 \div 3 = 4$
$15 \div 3 = 5$
$18 \div 3 = 6$
$21 \div 3 = 7$
$24 \div 3 = 8$
$27 \div 3 = 9$
$30 \div 3 = 10$
$33 \div 3 = 11$
$36 \div 3 = 12$

Dividing by 4
$4 \div 4 = 1$
$8 \div 4 = 2$
$12 \div 4 = 3$
$16 \div 4 = 4$
$20 \div 4 = 5$
$24 \div 4 = 6$
$28 \div 4 = 7$
$32 \div 4 = 8$
$36 \div 4 = 9$
$40 \div 4 = 10$
$44 \div 4 = 11$
$48 \div 4 = 12$

Dividing by 5
$5 \div 5 = 1$
$10 \div 5 = 2$
$15 \div 5 = 3$
$20 \div 5 = 4$
$25 \div 5 = 5$
$30 \div 5 = 6$
$35 \div 5 = 7$
$40 \div 5 = 8$
$45 \div 5 = 9$
$50 \div 5 = 10$
$55 \div 5 = 11$
$60 \div 5 = 12$

Dividing by 6
$6 \div 6 = 1$
$12 \div 6 = 2$
$18 \div 6 = 3$
$24 \div 6 = 4$
$30 \div 6 = 5$
$36 \div 6 = 6$
$42 \div 6 = 7$
$48 \div 6 = 8$
$54 \div 6 = 9$
$60 \div 6 = 10$
$66 \div 6 = 11$
$72 \div 6 = 12$

Dividing by 7
$7 \div 7 = 1$
$14 \div 7 = 2$
$21 \div 7 = 3$
$28 \div 7 = 4$
$35 \div 7 = 5$
$42 \div 7 = 6$
$49 \div 7 = 7$
$56 \div 7 = 8$
$63 \div 7 = 9$
$70 \div 7 = 10$
$77 \div 7 = 11$
$84 \div 7 = 12$

Dividing by 8
$8 \div 8 = 1$
$16 \div 8 = 2$
$24 \div 8 = 3$
$32 \div 8 = 4$
$40 \div 8 = 5$
$48 \div 8 = 6$
$56 \div 8 = 7$
$64 \div 8 = 8$
$72 \div 8 = 9$
$80 \div 8 = 10$
$88 \div 8 = 11$
$96 \div 8 = 12$

Dividing by 9
$9 \div 9 = 1$
$18 \div 9 = 2$
$27 \div 9 = 3$
$36 \div 9 = 4$
$45 \div 9 = 5$
$54 \div 9 = 6$
$63 \div 9 = 7$
$72 \div 9 = 8$
$81 \div 9 = 9$
$90 \div 9 = 10$
$99 \div 9 = 11$
$108 \div 9 = 12$

Dividing by 10
$10 \div 10 = 1$
$20 \div 10 = 2$
$30 \div 10 = 3$
$40 \div 10 = 4$
$50 \div 10 = 5$
$60 \div 10 = 6$
$70 \div 10 = 7$
$80 \div 10 = 8$
$90 \div 10 = 9$
$100 \div 10 = 10$
$110 \div 10 = 11$
$120 \div 10 = 12$

Dividing by 11
$11 \div 11 = 1$
$22 \div 11 = 2$
$33 \div 11 = 3$
$44 \div 11 = 4$
$55 \div 11 = 5$
$66 \div 11 = 6$
$77 \div 11 = 7$
$88 \div 11 = 8$
$99 \div 11 = 9$
$110 \div 11 = 10$
$121 \div 11 = 11$
$132 \div 11 = 12$

Dividing by 12
$12 \div 12 = 1$
$24 \div 12 = 2$
$36 \div 12 = 3$
$48 \div 12 = 4$
$60 \div 12 = 5$
$72 \div 12 = 6$
$84 \div 12 = 7$
$96 \div 12 = 8$
$108 \div 12 = 9$
$120 \div 12 = 10$
$132 \div 12 = 11$
$144 \div 12 = 12$

Multiplication Table 1-12 Chart

	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

Summer Math Packet

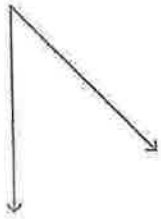
Choose 2 word problems and 6 calculations

1. $\frac{8}{9} + \frac{1}{8}$	2. $\frac{12}{3} - \frac{2}{5}$	3. $\frac{2}{9} \times \frac{2}{3}$	4. $\frac{7}{8} \div \frac{7}{8}$
5. $1\frac{2}{7} + 3\frac{1}{5}$	6. $4\frac{2}{9} - \frac{8}{10}$	7. $1\frac{1}{3} \times 1\frac{1}{2}$	8. $1\frac{1}{4} \div 1\frac{2}{5}$
9. $36.09 + 9.6$	10. $687 - 0.78$	11. 578.7×8.2	12. $587.7 \div 5$
13. Uncle Al bake brownies in a rectangular pan. He cut the brownies into 72 equal pieces and offered them as samples to his customers. By 9 A.M., $\frac{3}{4}$ of the brownies had been eaten. How many brownies were left?	14. Uncle Al asked Danielle to package 48 chocolate chip cookies. She wrapped $\frac{2}{3}$ of them in the morning and then went to lunch. How many cookies did she have to wrap when she returned?	15. To make his special apple turnovers, Uncle Al use $7\frac{1}{4}$ cups of apples. To make his special apple pit, he used $5\frac{1}{2}$ cups of apples. How many cups of apples did he use in all?	16. Uncle Al's recipe for pumpkin bread requires $2\frac{1}{4}$ cups of pumpkin. He has 12 cups of pumpkin. How many complete loaves of pumpkin bread can he bake?

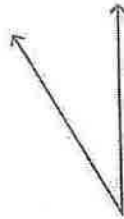
What's My Type?

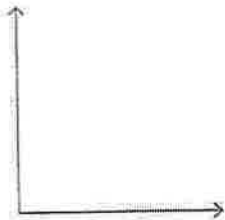
Name _____

Classify each of the following angles as acute, obtuse, or right.

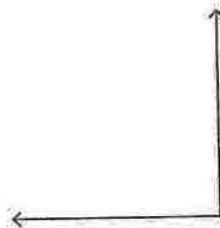


5.



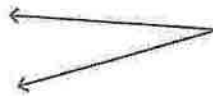


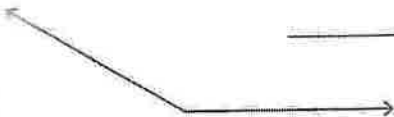
6.





7.





8.



Tongue Twister #6

Name _____

Solve each problem below. Write the letter next to each problem above the answer at the bottom of the page. The letters will spell out a tongue twister. Try to say it fast three times.

A $2.0 \times 0.5 =$ _____ **I** $2.0 \times 0.9 =$ _____

D $5.0 \times 0.6 =$ _____ **R** $5.2 \times 1.1 =$ _____

E $4.0 \times 0.9 =$ _____ **S** $1.9 \times 0.5 =$ _____

G $0.2 \times 0.6 =$ _____ **T** $0.25 \times 5.0 =$ _____

H $1.2 \times 5.0 =$ _____ **Y** $6.24 \times 0.1 =$ _____

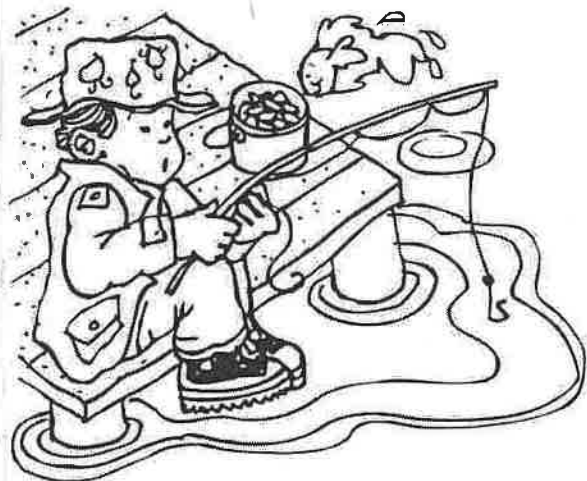
$\frac{3.6}{1.2}$	$\frac{3.0}{1.0}$	$\frac{0.12}{0.04}$	$\frac{1.0}{0.2}$	$\frac{5.72}{1.9}$	$\frac{1.0}{0.2}$	$\frac{1.25}{0.5}$	$\frac{3.6}{1.2}$	
$\frac{3.6}{1.2}$	$\frac{1.8}{0.6}$	$\frac{0.12}{0.04}$	$\frac{6.0}{2.0}$	$\frac{1.25}{0.5}$	$\frac{3.6}{1.2}$	$\frac{0.12}{0.04}$	$\frac{0.12}{0.04}$	$\frac{0.95}{0.316}$
	$\frac{1.0}{0.2}$		$\frac{3.0}{1.0}$	$\frac{1.0}{0.2}$	$\frac{0.624}{0.208}$			

Tongue Twister #4

Name _____

Solve each addition problem below. Then write the letter for each problem on the line above the answer at the bottom of the page. The letters will spell out a tongue twister. Try to say it fast three times.

A $\frac{1}{2} + 1\frac{1}{2} =$ _____	L $\frac{1}{6} + 2\frac{2}{3} =$ _____
C $\frac{3}{4} + \frac{1}{4} =$ _____	N $\frac{4}{9} + 3\frac{2}{3} =$ _____
E $\frac{4}{5} + \frac{2}{5} =$ _____	R $\frac{1}{2} + 2\frac{5}{8} =$ _____
F $1\frac{3}{7} + 2\frac{4}{7} =$ _____	S $2\frac{2}{3} + 1\frac{1}{9} =$ _____
H $\frac{1}{3} + \frac{1}{3} =$ _____	T $\frac{1}{5} + \frac{1}{2} =$ _____
I $2\frac{4}{7} + 1\frac{1}{7} =$ _____	



$\frac{4}{4}$	$\frac{3\frac{1}{8}}{3\frac{1}{8}}$	$\frac{2}{2}$	$\frac{4\frac{1}{9}}{4\frac{1}{9}}$	$\frac{1}{1}$	$\frac{3\frac{5}{7}}{3\frac{5}{7}}$	$\frac{3\frac{7}{9}}{3\frac{7}{9}}$
F						
$\frac{4}{4}$	$\frac{3\frac{1}{8}}{3\frac{1}{8}}$	$\frac{3\frac{5}{7}}{3\frac{5}{7}}$	$\frac{1\frac{1}{5}}{1\frac{1}{5}}$	$\frac{3\frac{7}{9}}{3\frac{7}{9}}$		
$\frac{4}{4}$	$\frac{3\frac{1}{8}}{3\frac{1}{8}}$	$\frac{1\frac{1}{5}}{1\frac{1}{5}}$	$\frac{3\frac{7}{9}}{3\frac{7}{9}}$	$\frac{2}{2}$		
$\frac{4}{4}$	$\frac{3\frac{5}{7}}{3\frac{5}{7}}$	$\frac{3\frac{7}{9}}{3\frac{7}{9}}$	$\frac{2}{2}$			
$\frac{4}{4}$	$\frac{3\frac{5}{7}}{3\frac{5}{7}}$	$\frac{2\frac{5}{6}}{2\frac{5}{6}}$	$\frac{2\frac{5}{6}}{2\frac{5}{6}}$	$\frac{1\frac{1}{5}}{1\frac{1}{5}}$	$\frac{7}{10}$	$\frac{3\frac{7}{9}}{3\frac{7}{9}}$

Demonstrate addition and subtraction of fractions (including mixed numbers and unlike denominators)

Summer Math Packet

Choose 2 word problems
and 6 calculations

1. $3\frac{1}{4} + 6\frac{1}{3}$	2. $7\frac{2}{3} - \frac{3}{8}$	3. $1\frac{1}{3} \times \frac{1}{2}$	4. $2\frac{1}{5} \div 1\frac{1}{3}$
5. $2\frac{1}{5} + \frac{1}{6} =$	6. $3\frac{1}{5} - 1\frac{7}{9} =$	7. $1\frac{1}{3} \times 2\frac{1}{3}$	8. $1\frac{1}{3} \div 12$
9. $78.5 + 14.92$	10. $587 - 4.298$	11. $89.32 \times .009$	12. $787.2 \div 23$
13. The weight of an object on the moon is about 0.167 of its weight on Earth. How much does an 180 lbs astronaut weigh on the moon?	14. You buy 2.6 lbs of apples for \$1.23/lb, and you also get 1.475 lbs of peaches for \$1.88/lb. How much change will you get back if you hand the cashier a \$20 bill?	15. You buy three pairs of jeans for \$35.95 each and get a fourth free! What is the cost per pair of jeans?	16. You send 40 text messages in one month. The total cost is \$4.80. How much does each text message cost?

Math Test

Name _____

Fill in the circle next to the correct answer.

1. $82 \div 16 =$ _____

- (A) 5
- (B) 5 R1
- (C) 5 R2
- (D) 5 R4

2. $94 \div 5 =$ _____

- (A) 16 R4
- (B) 16 R3
- (C) 16 R2
- (D) 6

3. $194 \div 4 =$ _____

- (A) 22 R8
- (B) 22 R6
- (C) 26 R2
- (D) 28 R2

4. $429 \div 49 =$ _____

- (A) 37 R8
- (B) 8 R37
- (C) 7 R86
- (D) 6 R8

5. $23 \overline{)528}$

- (A) 22
- (B) 22 R20
- (C) 22 R22
- (D) 22 R21

6. $42 \overline{)964}$

- (A) 22 R40
- (B) 40 R22
- (C) 22 R22
- (D) 22 R20

7. $51 \overline{)942}$

- (A) 18 R24
- (B) 18 R20
- (C) 24 R18
- (D) 20 R18

8. $42 \overline{)9,428}$

- (A) 220 R24
- (B) 20 R224
- (C) 224
- (D) 224 R20

9. Sally has 529 pennies that she is rolling into rolls each with 50 pennies. How many rolls can she make? Are there any extras? What would be a good thing for her to do with the extras if there are any?

10. Justin has 802 bolts that he is boxing up in packages of 25. How many packages can he create? Are there any extras? What would be a good thing for him to do with the extras if there are any?

Demonstrate division with remainders using two-digit divisors

Summer Math Packet

Choose 2 word problems
and 6 calculations

1. $\frac{1}{4} + \frac{3}{7}$	2. $3\frac{2}{5} - 1\frac{1}{3}$	3. 14.6×84	4. $38.1 \div .6$
5. $3\frac{1}{3} + \frac{3}{4}$	6. $1\frac{3}{4} \div 6$	7. 47.901×14.73	8. $390.83 \div 6$
9. $1\frac{1}{8} + \frac{3}{5}$	10. $1\frac{1}{8} - \frac{3}{5}$	11. $1\frac{1}{8} \times \frac{3}{5}$	12. $1\frac{1}{8} \div \frac{3}{5}$
13. A grocery store sells grapes for \$1.99 per pound. You buy 2.34 pounds of grapes. How much do you pay?	14. You class buys a cake for your teacher's birthday. The cake costs \$34.50 and there are 25 students in your class. How much does each student pay?	15. You and three friends run a 3.1 mile relay race. If each of you runs the same distance, how far does each person run?	16. How many $3\frac{3}{4}$ in pieces of ribbon can be cut from on ribbon that is $32\frac{1}{8}$ long?

Find area of rectangles and squares



U	40
S	32
R	24
M	20
H	16
E	14
D	10
A	6

Find the area of each of the following rectangles. Then write the corresponding letter on the line next to each figure. The letters will spell out the answer to the riddle.

What Sounds Better the More You Beat It?

Five rectangles are shown with their dimensions labeled:

- Rectangle 1: width 4, height 5
- Rectangle 2: width 5, height 8
- Rectangle 3: width 6, height 4
- Rectangle 4: width 5, height 2
- Rectangle 5: width 3, height 2

Next to each rectangle is a horizontal line for writing a letter.

Name _____

Convert Customary Measurements

Name _____

Complete each of the following to make a true math sentence.

1. 24 inches = _____ feet
2. 1 mile = _____ feet
3. 3 yards = _____ feet
4. 5 feet = _____ inches
5. 15 feet = _____ yards
6. 3 miles = _____ yards
7. 6 feet = _____ inches
8. 1.5 miles = _____ feet
9. 48 inches = _____ feet
10. 12 yards = _____ feet
11. 4 yards = _____ inches
12. 72 inches = _____ yards

Math Test

Name _____

Circle the correct answer.

1. What is the perimeter of a square with 3 inches on each side?

- (A) 3 inches
- (B) 6 inches
- (C) 9 inches
- (D) 12 inches

2. What is the perimeter of a rectangle that is 3 feet by 2 feet?

- (A) 6 feet
- (B) 10 feet
- (C) 12 feet
- (D) 14 feet

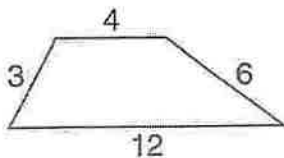
3. What is the perimeter of a right triangle with sides of 7 cm, 24 cm, and 25 cm?

- (A) 56 centimeters
- (B) 25 centimeters
- (C) 24 centimeters
- (D) 49 centimeters

4. What is the perimeter of a rhombus with 5 inches on each side?

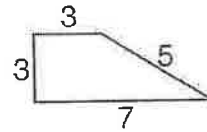
- (A) 5 inches
- (B) 4 inches
- (C) 20 inches
- (D) 25 inches

5. What is the perimeter this figure?



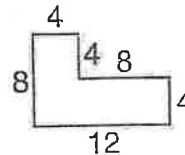
- (A) 4
- (B) 10
- (C) 12
- (D) 25

6. What is the perimeter of this figure?



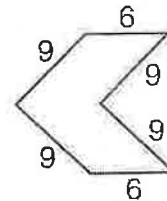
- (A) 10
- (B) 9
- (C) 18
- (D) 15

7. What is the perimeter of this figure?



- (A) 96
- (B) 40
- (C) 36
- (D) 28

8. What is the perimeter of this figure?



- (A) 30
- (B) 38
- (C) 36
- (D) 48

9. Draw a figure that has a perimeter of 24 centimeters.

10. Draw a figure that has a perimeter of 15 inches.

Oh, My Stars!

Name _____

Complete each division problem below. As you complete the problem, keep track of each remainder. Look at the key at the bottom, and then color that region according to the key.

Blue —remainder of 1	Green —remainder of 3
Red —remainder of 2	Yellow —remainder of 4

How many whole five-pointed stars did you color in? _____

Demonstrate division with remainders using single-digit divisors

Products and Products

Name _____

Find the product of each of the following problems.

1.
$$\begin{array}{r} 25 \\ \times 91 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 29 \\ \times 17 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 372 \\ \times 28 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 827 \\ \times 51 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 420 \\ \times 38 \\ \hline \end{array}$$

6. $29 \times 63 = \underline{\hspace{2cm}}$

7. $10 \times 48 = \underline{\hspace{2cm}}$

8. $382 \times 50 = \underline{\hspace{2cm}}$

9. $307 \times 28 = \underline{\hspace{2cm}}$

10. $429 \times 59 = \underline{\hspace{2cm}}$

$4 \times 5 = ?$

20!

Write each set of numbers in order from largest to smallest.

1. 125 264 843 9,524 249 190

9,524

2. 264 260 259 267 263 261

3. 825 795 820 798 799 802

4. 5.2 6 6.8 5.9 6.24 6.85

5. 14.9 13.85 13.94 14.95 14.5 14.53

6. 309 308.9 308.92 308.75 308.95 309.2

7. 10 $10\frac{1}{10}$ $10\frac{4}{5}$ $9\frac{2}{3}$ $9\frac{1}{4}$ $10\frac{1}{2}$

8. $7\frac{1}{3}$ $7\frac{3}{4}$ $7\frac{1}{2}$ $6\frac{3}{4}$ $8\frac{1}{3}$ $8\frac{1}{2}$

9. $1\frac{1}{3}$ $1\frac{3}{4}$ 2 $1\frac{1}{2}$ $2\frac{1}{3}$ $\frac{3}{4}$

10. 10 10.2 8.9 $8\frac{3}{4}$ 9.5 $9\frac{1}{3}$

Compare and order positive numbers including decimals and mixed numbers

