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

NAME _____ DATE _____ PERIOD _____

Are You Ready?

Apply

1. BASEBALL John had 30 baseball cards. He gave 14 cards to Mike and 7 to Jeff. Then he bought 6 more cards. How many baseball cards does John have now?	**2. PARTIES** Louise is making a chicken dish for 6 people. The recipe for the chicken dish she is making calls for 1.2 pounds of chicken for each person. Louise wants to double the recipe. How many pounds of chicken will she need?
3. FUNDRAISER The soccer team collected soda cans for a fundraiser. They had 175 cans and found 58 more. The next day, they turned in 97 cans. How many cans do they have left?	**4. CORN** Mr. Rodriguez planted 22 rows of corn. There were 15 plants in each row. He also planted 5 rows of tomato plants with each row havin 12 plants. How many plants did he plant in all?
5. EARNINGS Max earns $7.25 an hour. If he works for 6 hours a week for 3 weeks, how much will he earn?	**6. WALKING** Val can walk 3.2 miles in an hour. If she walks for 4 hours a week for 5 weeks, how many miles will she walk?

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Are You Ready?

Apply

1. GEOMETRY Find the area of a square with a length of 6 inches.	**2. TABLECLOTHS** The area of a square tablecloth is 16 square feet. What is the length of the side of the tablecloth?
3. BAKING Katiana needs to bake a dozen muffins of a dozen different flavors for a school bake sale. How many muffins does Katiana need to bake?	**4. WATER** Shasta poured water into three one-gallon water jugs to take to a race. She filled the first jug $\frac{3}{4}$ full. She filled each of the second and third jugs $\frac{7}{8}$ full. How much water did Shasta take to the race?
5. WALLPAPER Yoki is putting up new wallpaper in her room. She wants to add a border along the ceiling. If her room is a rectangle with sides of $7\frac{1}{2}$ feet and $9\frac{3}{4}$ feet, how long of a border will she need?	**6. RESTAURANT** A restaurant sells pies by the slice. At the end of the night they have $\frac{1}{2}$ of a cherry pie, $\frac{2}{3}$ of an apple pie, and $\frac{1}{6}$ of a banana cream pie. How much total pie is left?

NAME _____ DATE _____ PERIOD _____

Are You Ready?

Apply

1. FIELD TRIP A group of 92 students went on a field trip to a nature preserve. When they arrived, they were separated into 4 groups. If each group had the same number of students, how many students were in each group?	**2. CARS** The 91 new cars in a dealership are arranged into 7 rows. If each row has the same number of cars, how many cars are in each row?
3. EARNINGS Ming earned $336 from babysitting over the past 6 weeks. She earned the same amount of money each week. How much money did she earn each week?	**4. GASOLINE** The Harnett family used 18 of the 26 gallons of gasoline they purchased. What fraction of the gasoline, in simplest form, did they use?
5. CAR WASH The student council waxed 27 of the 63 cars they washed. What fraction of the cars, in simplest form, did they wax?	**6. BARBEQUE** Mr. Salcido bought 24 hot dogs and 36 hamburgers for a barbeque. What fraction, in simplest form, of his food items are hot dogs?

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Are You Ready?

Review

Example 1

Find $6\overline{)486}$.

$$\begin{array}{r} 81 \\ 6\overline{)486} \\ -48 \\ \hline 6 \\ -6 \\ \hline 0 \end{array}$$

Divide each place-value position from left to right.

Since $6 - 6 = 0$, there is no remainder.

Example 2

Find $12\overline{)276}$.

$$\begin{array}{r} 23 \\ 12\overline{)276} \\ -24 \\ \hline 36 \\ -36 \\ \hline 0 \end{array}$$

Divide each place-value position from left to right.

Since $36 - 36 = 0$, there is no remainder.

Exercises

Divide.

1. $4\overline{)80}$ — 1. _____
2. $6\overline{)72}$ — 2. _____
3. $5\overline{)430}$ — 3. _____
4. $8\overline{)224}$ — 4. _____
5. $15\overline{)390}$ — 5. _____
6. $14\overline{)252}$ — 6. _____
7. $41\overline{)492}$ — 7. _____
8. $37\overline{)629}$ — 8. _____

NAME _____ DATE _____ PERIOD _____

Are You Ready?

Practice

Divide.

1. $4\overline{)76}$ — 1. _____

2. $7\overline{)91}$ — 2. _____

3. $15\overline{)165}$ — 3. _____

4. $61\overline{)366}$ — 4. _____

5. **AIR SHOW** Joel bought 6 tickets to an air show. If he spent \$156, how much did each ticket cost? — 5. _____

6. **MEASUREMENT** To visit family, Mr. Yusef drove 297 miles in 3 days. How many miles did he travel each day on average? — 6. _____

Write each fraction in simplest form.

7. $\frac{17}{51}$ — 7. _____

8. $\frac{14}{18}$ — 8. _____

9. $\frac{20}{90}$ — 9. _____

10. $\frac{48}{56}$ — 10. _____

11. **TREES** Of the 84 trees in a nursery, 33 are orange trees. What fraction, in simplest form, of the trees are orange trees? — 11. _____

12. **MARBLES** Julio bought 12 new marbles, bringing his total number of marbles to 72. What fraction, in simplest form, of Julio's marbles are new? — 12. _____

NAME _____ DATE _____ PERIOD _____

Are You Ready?

Apply

1. **CLOTHES** Ellen buys 6 new shirts for $22 each. How much does she spend on shirts?

2. **SHOPPING** Fruit is sold by the bushel at the farmer's market. Andrew buys 12 bushels of peaches to make preserves for the school bake sale. How much does he spend on peaches?

Apricots	$15 per bushel
Peaches	$13 per bushel
Pears	$12 per bushel

3. **ZOO** The bears at the zoo eat 875 pounds of food each week. How much do they eat per day?

4. **DISTANCE** Mrs. Mendez drives 34 miles each day to take her children to school and run errands. How many miles did she drive in 13 days?

5. **RUNNING** The school track team ran 96 miles in 12 days. How many miles did they run per day?

6. **GRASS** Ernie mows grass to make money. He made $324 for mowing 4 lawns last week. If he made the same amount on each lawn, how much did he get paid for each?

NAME _____ DATE _____ PERIOD _____

Are You Ready?

Review

Example 1

Find 42 ÷ 6.

$$\begin{array}{r} 7 \\ 6\overline{)42} \\ -42 \\ \hline 0 \end{array}$$

THINK: What number times 6 is 42?

So, $42 \div 6 = 7$.

Example 2

Find 24 ÷ 2.

$$\begin{array}{r} 12 \\ 2\overline{)24} \\ -24 \\ \hline 0 \end{array}$$

THINK: What number times 2 is 24?

So, $24 \div 2 = 12$.

Divide.

1. $64 \div 8$	**1.** _____
2. $63 \div 7$	**2.** _____
3. $16 \div 4$	**3.** _____
4. $81 \div 9$	**4.** _____
5. $25 \div 5$	**5.** _____
6. $26 \div 13$	**6.** _____
7. $100 \div 10$	**7.** _____
8. $121 \div 11$	**8.** _____
9. $108 \div 12$	**9.** _____
10. $144 \div 12$	**10.** _____

NAME _____ DATE _____ PERIOD _____

Are You Ready?

Practice

Find the GCF of each set of numbers.

1. 84 and 108 — 1. _____
2. 12 and 42 — 2. _____
3. 28 and 70 — 3. _____
4. 9, 15, and 63 — 4. _____
5. 18, 54, and 72 — 5. _____
6. 36, 80, and 92 — 6. _____
7. **SALES** A department store recorded the amount of money made on sweaters each day. If the sweaters each cost the same amount, what is the highest possible cost of each sweater? — 7. _____

Sweaters Sold	
Day	**Money Made**
Monday	$66
Tuesday	$110
Wednesday	$132

Find the LCM for each set of numbers.

8. 3 and 11 — 8. _____
9. 5 and 9 — 9. _____
10. 6 and 2 — 10. _____
11. 3, 7, and 9 — 11. _____
12. **PATTERNS** Which three common multiples for 3 and 8 are missing from the list below? 24, 48, 72, ■, ■, ■, 168, 192, . . . — 12. _____

NAME _____ DATE _____ PERIOD _____

Are You Ready?

Practice

Multiply.

1. 62 × 23 — 1. _____
2. 14 × 31 — 2. _____
3. 28 × 15 — 3. _____
4. 17 × 40 — 4. _____
5. 86 × 20 — 5. _____
6. 39 × 11 — 6. _____
7. **PAINTING** Mari painted 3 rooms in her house. She spent $52 on paint for each room. How much did she spend on paint? — 7. _____
8. **MUSIC** A store sold 15 CDs for $13 each. What was the total value of the CDs? — 8. _____
9. **FENCES** A farmer put up 234 feet of fence each day for 4 days. How many feet of fence did he put up in all? — 9. _____

Divide.

10. 308 ÷ 4 — 10. _____
11. 488 ÷ 8 — 11. _____
12. 966 ÷ 6 — 12. _____
13. 600 ÷ 3 — 13. _____
14. **WORK** James worked 112 hours in 8 weeks. He worked the same amount of time every week. How many hours did James work each week? — 14. _____

Fraction Operations

Name_____ ID: 1

Date_____ Period____

Evaluate each expression.

1) $\frac{7}{8} - \frac{3}{5}$

2) $2 - \frac{3}{4}$

3) $1 - \frac{1}{4}$

4) $\frac{5}{3} - \frac{8}{5}$

5) $\frac{3}{4} + \frac{3}{5}$

6) $\frac{3}{2} - \frac{9}{7}$

7) $\frac{11}{6} + \frac{11}{7}$

8) $1 - \frac{3}{4}$

9) $2 + \frac{7}{5}$

10) $\frac{5}{7} + \frac{4}{7}$

Find each product.

11) $2 \times \frac{1}{5}$

12) $\frac{5}{8} \times \frac{7}{4}$

13) $4 \times \frac{2}{5}$

14) $\frac{1}{2} \times \frac{7}{9}$

15) $\frac{5}{8} \times \frac{5}{3}$

16) $\frac{4}{3} \times \frac{3}{2}$

Find each quotient.

17) $\frac{1}{4} \div \frac{1}{6}$

18) $\frac{5}{8} \div \frac{7}{10}$

19) $\frac{3}{4} \div \frac{3}{5}$

20) $\frac{4}{3} \div \frac{7}{6}$

GEMDAS Rules

Evaluate the problem in the following order:

1) G - Grouping Symbols - [ ] ( ) { }

2) E - Exponents (Powers and Square Roots)

3) MD - Multiplication and Division (Left to Right)

4) AS - Addition and Subtraction (Left to Right)

You can remember the order by saying :

Grace,	Excuse	My	Dear	Aunt	Sally
r	x	u	i	d	u
o	p	l	v	d	b
u	o	t	i	i	t
p	n	i	s	t	r
i	e	p	i	i	a
n	n	l	o	o	c
g	t	i	n	n	t
	s	c			i
S		a			o
y		t			n
m		i			
b		o			
o		n			
l					
s					

Name : _____ Score : _____

Teacher : _____ Date : _____

Order of Operations

1) $8 \times (13 - 2) - 8^2$

2) $(32 - 4) \div 2 + 3^2$

3) $(11 - 4)^2 + (16 \div 8)$

4) $(32 - 2^2) \div (2 + 5)$

5) $(7 \times 5 - 4^2) + 7$

6) $2 \times (9 + 5) + 2^2$

7) $(54 - 4) \div 2 + 2^2$

8) $(7 + 5)^2 + (24 \div 3)$

9) $(10 \times 9 - 8^2) - 4$

10) $(96 - 6^2) \div (6 - 4)$

Division Facts (A)

Find each quotient.

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

Multiplication Facts to 144 (A)

Find each product.

5 × 8	12 × 11	12 × 4	1 × 6	7 × 5	7 × 7	5 × 11	11 × 0	0 × 7	0 × 8
11 × 8	4 × 9	11 × 1	2 × 1	11 × 12	10 × 12	7 × 8	0 × 3	6 × 11	9 × 3
5 × 6	12 × 3	6 × 12	9 × 3	4 × 8	10 × 7	12 × 1	0 × 5	12 × 12	6 × 5
5 × 4	4 × 7	9 × 6	6 × 2	8 × 9	1 × 4	4 × 11	4 × 0	5 × 9	1 × 9
7 × 11	6 × 8	1 × 7	0 × 6	10 × 10	1 × 1	2 × 8	1 × 0	2 × 10	2 × 4
4 × 12	4 × 4	12 × 5	11 × 11	2 × 9	3 × 10	1 × 3	0 × 2	7 × 12	2 × 11
0 × 12	3 × 4	10 × 1	2 × 7	1 × 5	7 × 3	4 × 6	3 × 11	3 × 5	8 × 10
7 × 5	11 × 9	8 × 8	9 × 10	3 × 6	10 × 6	6 × 5	6 × 9	7 × 9	0 × 10
2 × 3	5 × 10	6 × 7	4 × 5	11 × 10	10 × 4	6 × 6	8 × 1	10 × 2	9 × 12
8 × 12	3 × 3	3 × 8	10 × 6	5 × 5	2 × 5	2 × 12	0 × 9	2 × 10	2 × 2