Packet due: The 3rd full day of school

Dear Riverside Students and Parents,
I know most are looking forward to a stress free summer. I encourage students to practice math by completing this summer packet or completing the listed ixls for the grade levels to keep those skills fresh. These assignments will focus on some of the skills and concepts necessary for success in your grade as well as sharpen skills you have already learned. Please complete the packet in pencil and make sure your handwriting is legible. If you choose to do the IXL,the number indicates grade level, the letter and number indicate lesson. It's the same criteria we followed during the school year. (20 mins or 80%). If the lesson was already completed, it must be done again. Simply click on it and begin again. Do not use a calculator because you will not be allowed to use one in class. Have a fun and safe summer and I look forward to seeing you in August!!!

5th to 6th ixl

3rd f6	3 f7	3f8	3f9	3f10	3f11	3f12	3f13	3g5	3g6	3g7
3g8	3g9	3g10	3g11	3g12	3g8	3g9	3g13	3k4	3k5	3k6
3k7	4 d1	4d2	4e1	3k7	4e3					

6th to 7th ixl

6th c5	7a1	7a2	7a5	7f3	7f9	7g9	6k6	6L7

7th to 8th grade ixl

7th i1	7 i 7	8c1	8c3	8c6	8c7	8y7	8y8

7th Honors and 8th to Alg I

8B3	**8B4**	**8C1**	**8C3**	**8C6**	**8C7**	**8C8**	**8Y1**	**8Y7**	**8Y8**

Alg I to Geometry (A1 is algebra i grade level on ixl)

A1 b1	**A1 b2**	**A1 g1**	**A1 i3**	**A1 i4**	**A1 i8**	**A1 t7**	**A1 T19**	**A1 U1 U 6**	**A1**

Grade 6 **to Grade** 7th **Summer Math Packet**

Name _____

_____

I have checked this work completed _____
Parent Signature

1. Find the products. This page should be completed in 3 minutes no more than 4 minutes. Have someone time you. Any multiplication problem you do not know quickly, practice on flash cards.

6 x2	4 x4	7 x2	5 x4	12 x0	3 x5	6 x3	3 x8	0 x8	7 x3	5 x5	6 x4	3 x9	8 x3
6 x5	2 x12	3 x6	8 x2	7 x5	12 x1	8 x4	3 x7	11 x4	7 x6	9 x2	4 x8	4 x6	9 x3
4 x7	5 x0	0 x3	5 x8	9 x4	5 x7	2 x1	9 x5	5 x6	11 x5	5 x9	9 x8	7 x7	7 x9
8 x8	6 x6	8 x7	1 x2	9 x6	9 x9	8 x6	1 x9	9 x1	2 x5	1 x1	3 x4	12 x3	1 x3
8 x0	8 x1	12 x4	8 x9	12 x0	5 x1	3 x2	4 x0	2 x2	7 x1	6 x8	2 x6	6 x7	12 x5
8 x5	4 x1	2 x8	9 x7	12 x8	11 x6	2 x9	7 x4	0 x2	6 x9	1 x0	5 x2	3 x3	2 x4
4 X9	12 x6	4 x2	4 x3	1 x4	2 x3	11 x7	6 x1	7 x8	5 x3	2 x7	1 x8	4 x5	11 x4

2. Find the quotients. **This page should be completed in 3 no more than 4 minutes. Practice any problems you do not know instantly.** Think of the multiplication fact family. The better you know your multiplication facts the easier division will be.

$2\overline{)2}$	$3\overline{)9}$	$8\overline{)32}$	$7\overline{)49}$	$5\overline{)10}$	$4\overline{)0}$	$1\overline{)1}$	$4\overline{)8}$	$2\overline{)12}$	$9\overline{)54}$	$1\overline{)3}$	$1\overline{)2}$	$2\overline{)4}$
$8\overline{)8}$	$7\overline{)63}$	$8\overline{)40}$	$5\overline{)0}$	$4\overline{)4}$	$4\overline{)12}$	$9\overline{)45}$	$9\overline{)63}$	$6\overline{)6}$	$3\overline{)12}$	$1\overline{)7}$	$3\overline{)0}$	$1\overline{)9}$
$2\overline{)16}$	$3\overline{)3}$	$3\overline{)15}$	$5\overline{)20}$	$3\overline{)18}$	$3\overline{)6}$	$5\overline{)15}$	$7\overline{)0}$	$9\overline{)27}$	$4\overline{)16}$	$7\overline{)21}$	$4\overline{)20}$	$7\overline{)28}$
$8\overline{)16}$	$3\overline{)21}$	$9\overline{)18}$	$4\overline{)24}$	$2\overline{)6}$	$1\overline{)8}$	$5\overline{)35}$	$7\overline{)35}$	$3\overline{)27}$	$6\overline{)36}$	$3\overline{)24}$	$2\overline{)0}$	$4\overline{)32}$
$9\overline{)9}$	$4\overline{)36}$	$6\overline{)42}$	$5\overline{)40}$	$8\overline{)64}$	$7\overline{)14}$	$6\overline{)30}$	$8\overline{)56}$	$1\overline{)5}$	$4\overline{)28}$	$7\overline{)56}$	$8\overline{)24}$	$6\overline{)24}$

$81 \div 9 =$ _____	$48 \div 6 =$ _____	$18 \div 6 =$ _____	$42 \div 7 =$ _____
$10 \div 2 =$ _____	$54 \div 6 =$ _____	$36 \div 9 =$ _____	$45 \div 5 =$ _____
$72 \div 8 =$ _____	$8 \div 2 =$ _____	$72 \div 9 =$ _____	$6 \div 1 =$ _____
$25 \div 5 =$ _____	$5 \div 5 =$ _____	$18 \div 2 =$ _____	$30 \div 5 =$ _____
$12 \div 1 =$ _____	[illegible]	$21 \div 3 =$ _____	$36 \div 6 =$ _____

A) 653 x 29

$$\begin{array}{r} {\scriptstyle 1\ 2} \\ 653 \\ \times\ 29 \\ \hline 5877 \\ +13060 \\ \hline 18937 \end{array}$$

1820 ÷ 28

$$\begin{array}{r} 65 \\ 28\overline{)1820} \\ -168 \\ \hline 140 \\ -140 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ \times\ 6 \\ \hline 168 \end{array} \qquad \begin{array}{r} 28 \\ \times\ 5 \\ \hline 140 \end{array}$$

NO CALCULATOR! SHOW ALL WORK!

1. 975 x 8	2. 109 x 7	3. 23 x 15
4. 73 x 18	5. 471 x 16	6. 981 x 65
7. 2970 ÷ 5	8. 2124 ÷ 4	9. 32751 ÷ 9
10. 5472 ÷ 19	11. 42800 ÷ 25	12. 3348 ÷ 31

Prime Factorization

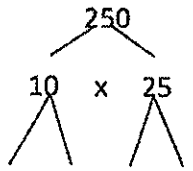
Use Euclid's Ladder (or a factor tree) to write the prime factorization.

$2\overline{)60}$
$2\overline{)30}$
$3\overline{)15}$
5

$60 = 2 \times 2 \times 3 \times 5$

$2\overline{)250}$
$5\overline{)125}$
$5\overline{)25}$
5

$125 = 2 \times 5 \times 5 \times 5$ **OR**



$2 \times 5 \times 5 \times 5$

1. 64	2. 100	3. 72
4. 48	5. 36	6. 54

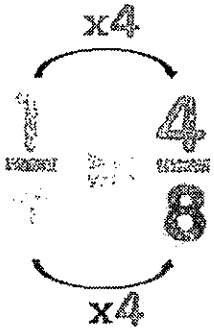
Find the GCF of 24 and 36.	24: 1, 2, 3, 4, 6, 8, **12**, 24 36: 1, 2, 3, 4, 6, 9, **12**, 18, 36	GCF of 24 and 36 is **12**.

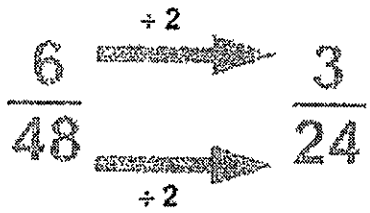
No calculator! SHOW ALL WORK!

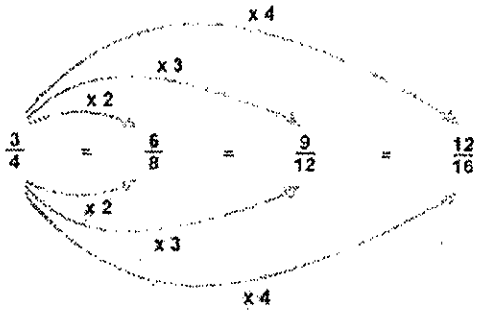
1. 18 and 54	2. 36 and 54
3. 24 and 60	4. 32 and 56
5. 100 and 75	6. 28 and 49
7. 35 and 50	8. 64 and 88

Equivalent Fractions

To find an equivalent fraction multiply or divide the numerator and denominator by the same value.







Name three equivalent fractions to the one given:

1. $\frac{4}{5}$	2. $\frac{10}{15}$
3. $\frac{1}{7}$	4. $\frac{16}{40}$
5. $\frac{12}{30}$	6. $\frac{6}{8}$
7. $\frac{2}{9}$	8. $\frac{14}{35}$
9. $\frac{18}{28}$	10. $\frac{80}{120}$

Multiply the whole number by the denominator and add the numerator.

Keep the same denominator.

Then add.

$4\frac{1}{3} = \frac{13}{3}$

Multiply.

Convert $\frac{20}{3}$ to a mixed number

Divide the numerator by the denominator

$20 \div 3 = 6$ plus 2 remainder

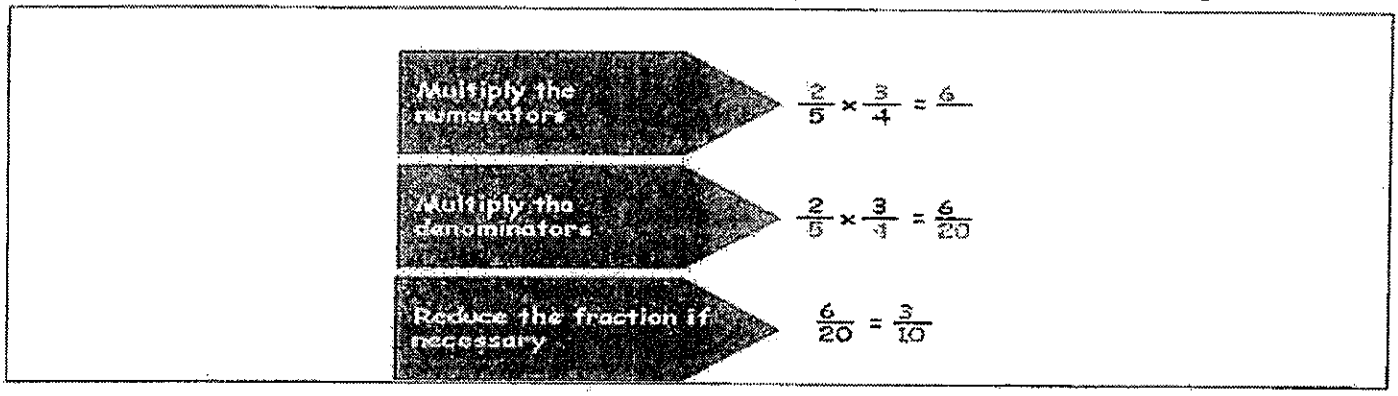
$\frac{20}{3} = 6\frac{2}{3}$

6 becomes the whole number
2 is the numerator of the fraction as shown
3 is the denominator

Convert to Mixed Number or Improper Fractions:

1. $3\frac{1}{2} =$	2. $\frac{15}{2} =$
3. $7\frac{2}{3} =$	4. $\frac{31}{6} =$
5. $8\frac{3}{5} =$	6. $\frac{74}{9} =$
7. $2\frac{7}{9} =$	8. $\frac{49}{11} =$
9. $12\frac{5}{10} =$	10. $\frac{122}{13} =$

Fractions – Multiplying



NO CALCULATOR! SHOW ALL WORK!

1. $\frac{1}{3} x \frac{1}{5} =$	2. $\frac{2}{7} x \frac{2}{5} =$	3. $\frac{4}{9} x \frac{1}{2} =$
4. $\frac{3}{8} x \frac{3}{4} =$	5. $\frac{9}{10} x \frac{1}{9} =$	6. $\frac{7}{12} x \frac{2}{5} =$
7. $\frac{6}{11} x \frac{2}{4} =$	8. $\frac{5}{6} x \frac{2}{9} =$	9. $\frac{12}{20} x \frac{3}{7} =$
10. $\frac{5}{13} x \frac{4}{6} =$	11. $\frac{15}{25} x \frac{5}{15} =$	12. $\frac{6}{10} x \frac{3}{9} =$