

Name: _____

Score: _____

Entering Sixth Grade – Summer Packet

Be sure to attach any work you do on scratch paper and to circle all of your answers.

Multiply.

1. $\begin{array}{r} 3,568 \\ \times 7 \\ \hline \end{array}$	2. $\begin{array}{r} 78 \\ \times 49 \\ \hline \end{array}$	3. $\begin{array}{r} 536 \\ \times 76 \\ \hline \end{array}$	4. $\begin{array}{r} 5,248 \\ \times 39 \\ \hline \end{array}$	5. $\begin{array}{r} 241 \\ \times 352 \\ \hline \end{array}$
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Divide.

1. $8 \overline{)673}$	2. $7 \overline{)3,984}$	3. $9 \overline{)30,245}$	4. $6 \overline{)279,563}$
5. $32 \overline{)4,678}$	6. $19 \overline{)7,532}$	7. $84 \overline{)49,765}$	8. $68 \overline{)75,309}$

Find the mean, median, mode, and range of each set of data.

1. 25, 29, 25, 17, and 31	2. 85, 70, 99, 91		
mean _____	median _____	mean _____	median _____
mode _____	range _____	mode _____	range _____

Find the least common multiple for each pair of numbers.

1. 7 and 6	2. 6 and 3	3. 6 and 10
4. 4 and 14	5. 4 and 6	6. 6 and 9

Find the greatest common factor of each pair of numbers.

1. 30 and 12	2. 36 and 60	3. 18 and 24
4. 63 and 35	5. 28 and 42	6. 48 and 80

Write the next 3 equivalent fractions for each.

1. $\frac{11}{12}$	2. $\frac{7}{9}$	3. $\frac{13}{15}$
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Compare. Write <, >, or =.

1. $\frac{7}{16}$ ○ $\frac{1}{2}$	2. $\frac{3}{5}$ ○ $\frac{4}{9}$	3. $\frac{1}{4}$ ○ $\frac{1}{7}$
4. $\frac{2}{3}$ ○ $\frac{4}{6}$	5. 1 ○ $\frac{5}{6}$	6. $\frac{7}{12}$ ○ $\frac{5}{12}$

Order the fractions from least to greatest.

1. $\frac{3}{4}$, $\frac{7}{12}$, $\frac{1}{3}$	2. $\frac{1}{9}$, $\frac{1}{3}$, $\frac{1}{5}$	3. $\frac{5}{6}$, $\frac{3}{5}$, $\frac{17}{30}$
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Order the fractions from greatest to least.

1. $\frac{1}{7}$, $\frac{4}{7}$, $\frac{9}{7}$	2. $\frac{6}{7}$, $\frac{1}{6}$, $\frac{1}{2}$	3. $\frac{5}{6}$, $\frac{3}{9}$, $\frac{1}{3}$
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Solve.

1. $\frac{3}{8}$ of 24	2. $\frac{5}{6}$ of 36	3. $\frac{1}{3}$ of 30	4. $\frac{5}{9}$ of 81
5. $\frac{1}{2}$ of 16	6. $\frac{3}{4}$ of 64	7. $\frac{3}{5}$ of 75	8. $\frac{2}{3}$ of 57

Add or subtract. Be sure you answer is in simplest form and circled.

1. $\frac{7}{8} - \frac{1}{4} =$	2. $\frac{11}{13} - \frac{2}{3} =$	3. $\frac{3}{9} + \frac{5}{6} =$	4. $\frac{5}{7} + \frac{5}{5} =$
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Add or subtract. Be sure you answer is in simplest form and circled.

1. $\begin{array}{r} 7 \\ 9\frac{7}{9} \\ + 3 \\ + 5\frac{3}{5} \end{array}$	2. $\begin{array}{r} 2 \\ 12\frac{2}{7} \\ + 3 \\ + 8\frac{3}{8} \\ \hline \end{array}$	3. $\begin{array}{r} 3 \\ 11\frac{3}{4} \\ + 4 \\ + 7\frac{4}{5} \\ \hline \end{array}$	4. $\begin{array}{r} 5 \\ 6\frac{5}{6} \\ + 3 \\ - 1\frac{1}{8} \\ \hline \end{array}$	5. $\begin{array}{r} 4 \\ 11\frac{4}{7} \\ - 4 \\ - 2\frac{4}{9} \end{array}$
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Solve.

1. Marty had 81 marbles. He gave $\frac{5}{9}$ of them to Billy. How many marbles does Marty have left? _____

2. Sam has $\frac{1}{3}$ as many dolls as Bridget. Bridget has twice as many as Mary. Mary has 18 dolls. How many total dolls do the 3 girls have? _____

3. Joe's first throw traveled $32\frac{1}{4}$ yards, his second throw went $35\frac{1}{2}$ yards. How much farther did Joe's second throw travel than his first throw? _____

4. The Brown family is driving the 2,231 miles to Florida. On Monday, they drive 531 miles. On Tuesday, they drive 753 miles. On Wednesday, they arrive in Florida. How many miles did the Brown's drive on Wednesday to reach Florida? _____

5. Manny sold 13 magazines for \$5.75 each. How much money did Manny make? _____

6. Jane picked $3\frac{2}{3}$ bushels of apples and Sue picked $5\frac{5}{8}$ bushels of apples. How many total bushels of apples do the girls have? _____

7. $\frac{7}{8}$ of the 56 band members are going to the football game this weekend. How many band members will be at the game? _____

8. Find the difference between 914 and 339. _____

9. Find the product of 342 and 25. _____

10. Find the sum of 835 and 246. _____

11. Find the quotient for a divisor of 3 and a dividend of 2,514. _____

Write the coordinates for each point.

	D _____ Y _____ C _____ J _____ L _____		H _____ Y _____ N _____ Z _____ M _____
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Write the letter for each ordered pair on the line.

	(-1, 4) _____ (4, -6) _____ (-5, 5) _____ (-4, -2) _____ (3, -2) _____		(-1, 2) _____ (1, -5) _____ (2, -4) _____ (-2, 3) _____ (-1, 0) _____
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Name the quadrant or on which axis each point lies.

	F _____ T _____ L _____ N _____ Q _____		Q _____ A _____ C _____ S _____ T _____
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Solve (show your work).

$3^5 =$ _____

$5^2 =$ _____

$9^4 =$ _____

$1^{11} =$ _____

Solve; be sure to follow order of operations.

$$3(18 - 2 \times 4) \div 9 = \underline{\hspace{2cm}}$$

$$5 + 6 \times 4 - 8 = \underline{\hspace{2cm}}$$

$$4^3 + (24 \div 8 - 3 \times 1) = \underline{\hspace{2cm}}$$

$$8[2(10 - 4 \times 2)^3] \div 2^2 = \underline{\hspace{2cm}}$$