



B. F. Butler Middle School 6th Grade Summer Math Packet

Dear Incoming 6th Graders,

Please complete this summer math packet prior to the beginning of the 2018-2019 school year. The purpose of the math packet is to keep all of the skills you learned in 5th grade fresh in your mind, so we can begin teaching 6th grade skills when you return. The packet will count as a quiz grade and you must show your work on every question to receive full credit. Please use pencil and write neatly. Don't wait until the end of summer to begin your packet!

If you need help answering any of these questions please feel free to watch videos on Khan Academy.

We are very excited to have you in our class next school year. Have a relaxing and exciting summer break!

Sincerely,

Ms. Scott and Mrs. Marquez

Summer Math

Base Ten Numbers

1.) Write the decimals in expanded notation.

0.067 _____

1.154 _____

9.91 _____

2.) Solve each equation. Show your work on the back or another piece of paper.

$$325 \div 15 =$$

$$18 \overline{) 368}$$

$$26 \overline{) 328}$$

3.) Solve each equation.

$$\begin{array}{r} 3.25 \\ \times 0.59 \\ \hline \end{array}$$

$$\begin{array}{r} 1.05 \\ \times 2.63 \\ \hline \end{array}$$

$$\begin{array}{r} 17.59 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 0.13 \\ \hline \end{array}$$

Fractions

1.) Solve each equation.

$$3 \div \frac{1}{2} = \quad \quad \quad 6 \div \frac{1}{8} = \quad \quad \quad$$

2.) Robert has $\frac{1}{4}$ of a bag of chips. He wants to share the remaining chips with himself and 2 friends. What fraction of a bag of chips will each person get?

3.) Lisa and Ann are eating a box of crackers. Lisa eats $\frac{3}{6}$ of the box, and Ann eats $\frac{1}{4}$ of the box. How much of the box did the two girls eat together?

Base Ten Numbers

1.) Which statement is true about the 6 in the following numbers?

A.) 6,159 B.) 7,658

A. The 6 in the number labeled A is $\frac{1}{10}$ the amount of the 6 in the number labeled B.

B. The 6 in the number labeled A is 10 times the amount of the 6 in the number labeled B.

2.) Solve each equation.

$$1.5 \overline{) 4.50}$$

$$1.2 \overline{) 12.24}$$

3.) Round each decimal to the nearest tenth.

$$0.365 \underline{\hspace{2cm}}$$

$$0.98 \underline{\hspace{2cm}}$$

$$1.75 \underline{\hspace{2cm}}$$

Fractions

1.) Find the area of the rectangles below.

$$A = L \times W$$

$3 \frac{1}{2}$ cm.



$6 \frac{3}{4}$ cm.



$\frac{3}{4}$ in.

$2 \frac{1}{5}$ in.

2.) Solve each equation.

$$\frac{1}{2} \times \frac{3}{4} = \underline{\hspace{2cm}}$$

$$\frac{4}{5} \times \frac{1}{4} = \underline{\hspace{2cm}}$$

3. Mr. Thomas is making rice. One cup of rice requires $\frac{1}{3}$ of a cup of water. He is making $2 \frac{1}{2}$ cups of rice. How much water will he need?

Base Ten Numbers

1.) Solve each equation.

$$\begin{array}{r} 15.31 \\ - 9.7 \\ \hline \end{array}$$

$$\begin{array}{r} 8.7 \\ + 9.12 \\ \hline \end{array}$$

$$\begin{array}{r} 13.451 \\ - 8.999 \\ \hline \end{array}$$

2.) Solve. Show your work.

$$\begin{array}{r} 3.2 \\ - 1.98 \\ \hline \end{array}$$

$$\begin{array}{r} 1.89 \\ + 4.62 \\ \hline \end{array}$$

$$\begin{array}{r} 2.75 \\ + 1.86 \\ \hline \end{array}$$

3.) Solve. Show your work on the back or on another piece of paper.

$$265 \div 50 =$$

$$310 \div 20 =$$

Fractions

1.) Solve each equation.

$$1 \frac{3}{6} + 2 \frac{1}{6} =$$

$$5 \frac{1}{8} + 2 \frac{1}{4} =$$

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

$$10 \frac{4}{5} - 6 \frac{1}{10} =$$

2.) Solve each equation.

$$3 \times \frac{1}{2} =$$

$$4 \times \frac{3}{4} =$$

$$\frac{1}{5} \times 5 =$$

$$\frac{1}{8} \times 6 =$$

3.) Without solving, circle the problem from each set that will have a greater product. Tell how you know.

Set A: 12×16 or 12×17

Set B: 15×2 or $15 \times \frac{1}{2}$

Multiplication Table

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