P. B. Ritch Math Practice Packet for Rising 6th Graders

Welcome to Ritch Middle School☺ We feel that it will be very beneficial for your child to work on the standards/problems within the packet to help them be more successful as they transition from elementary school to middle school. Please have your child work on the practice packet along with practicing multiplication facts through 12. Please show work to support each answer and make sure work is neat and organized. Your student can turn in their work to their Math teacher by Friday, August 31, 2018.

We look forward to seeing you at Open House on Monday, July 30th.

**Adding and Subtracting Decimals – Use the standard algorithm to solve these problems.**

1. \(3.4 + 7.58\)

2. \(8.98 + 6\)

3. \(12.45 - 5.8\)

4. \(36 - 17.954\)

5. \(199.7 - 145\)
**Multiplying Decimals** – Use the standard algorithm to solve these problems.

1. 3.4 times 6.7
2. 5.85 times 7.8
3. 0.46 times 1.3
4. 0.705 times 0.5
5. 14.56 times 9.8

**Dividing Decimals** – Use the standard algorithm (long division) to solve these problems.

1. 0.6 divided by 0.3
2. 8.82 divided by 0.6
3. 14.35 ÷ 0.7
4. 15.8 ÷ 16

**Improper Fractions to Mixed Numbers**

1. \( \frac{26}{4} \)
2. \( \frac{37}{3} \)
3. \( \frac{42}{18} \)
Fractions to Decimals

1. Convert $\frac{9}{10}$ to a decimal.

2. What is $\frac{22}{40}$ as a decimal?

3. Write 0.67 as a fraction.

4. Write 2.75 as a fraction.

Number Sensibility

1. Which is greater, 0.5 or 0.4? Why?

2. Approximately, how much money is 0.625?

3. Which is greater, 1.756 or 1.785? Why?

Simplifying Fractions – Make sure that you put your fraction in simplest form.

1. $\frac{6}{9}$

2. $\frac{12}{28}$

3. $\frac{45}{80}$

4. $\frac{5}{1}$
Equivalent Fractions – To make a fraction equivalent, you can multiply or divide.

1. Create an equivalent fraction for \( \frac{4}{5} \)

2. Create an equivalent fraction for \( \frac{8}{9} \)

3. Create an equivalent fraction for \( \frac{12}{16} \)

Multiplying Fractions - Use the standard algorithm and make sure you simplify your fraction if possible.

1. \( \frac{2}{5} \times \frac{7}{8} \)

2. \( \frac{10}{11} \times \frac{33}{5} \)

3. \( 2 \frac{1}{2} \times \frac{6}{7} \)

4. \( 3 \frac{5}{8} \times 4 \frac{2}{3} \)

Dividing Fractions – Use the standard algorithm and make sure you simplify your fraction if possible.

1. \( 4 \div \frac{1}{7} \)

2. \( \frac{3}{5} \div \frac{9}{11} \)

3. \( \frac{2}{3} \div \frac{10}{13} \)

4. \( \frac{5}{6} \div \frac{7}{12} \)
5. \(3 \frac{1}{2} \div 2 \frac{1}{8}\)

**Fraction Word Problems**

1. Roa has ten pounds of coffee. She wants to repack the coffee into equal bags of size \(\frac{2}{3}\) pound. How many bags of coffee can she make?

2. How many \(\frac{3}{8}\) cup servings are in a pitcher containing 6 ¾ cups of orange juice?

3. Six pizzas were shared equally among a group of children. Each child got \(\frac{1}{9}\) of a pizza. How many children were in the group?

4. Maria buys 8 \(\frac{1}{3}\) pounds of beef to make tacos for a party. She uses \(\frac{5}{9}\) pound of beef for each taco. How many tacos can Maria make?

5. The quarterback threw the football 36 \(\frac{1}{2}\) yards over 4 plays. How many yards did the quarterback average per play?
**Decimal Word Problems**

1. Dillion went back-to-school school shopping. He wanted to buy 3 pairs of pants that cost $49.99 each. How much money did he spend in all?

2. Micka’s mom went grocery shopping. Her total at the grocery store was $85.98. If she paid with a $100 bill, how much money did she receive in change?

3. An ounce of gummy bears costs $1.40. If Eli buys 2.5 ounces of gummy bears, how much will she have to pay?

4. Allison paid $21.75 for “x” number of sour patch candy. Three packs of sour patch candy cost $1.45. How many packs of sour patch candy did Allison buy?

5. Mesha and Katlyn went to lunch at Panera Bread. Molly’s meal cost $12.59, and Jill’s meal cost $11.75. How much money did they spend altogether?