

Name _____

Math Summer Packet for Rising 7th Graders

Please work on the standards/problems within the packet to help your child be more successful when transitioning from 6th grade to 7th. Please have your child complete this packet with all of their work to turn in to their Math teacher during the first week of school. Some of our rising 7th graders do not know their multiplication facts! Please also practice memorizing your multiplication tables through 12 over the summer...You will use these every day in Mathematics.

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 to solve these problems.

1. 0.6 divided by 0.3
2. 8.82 divided by 0.6
3. $14.35 \div 0.7$
4. $15.8 \div 16$

Improper Fractions to Mixed Numbers

1. —
2. —
3. —

Fractions to Decimals

1. Convert $\frac{1}{2}$ to a decimal.
2. What is $\frac{3}{4}$ 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. $\frac{2}{4}$ –
2. $\frac{3}{6}$ –
3. $\frac{4}{8}$ –
4. $\frac{5}{10}$ –

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. Ellen has ten pounds of coffee. She wants to repackage 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 $6\frac{3}{4}$ 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. Mrs. Smalley went shopping. She wanted to buy 3 pairs of pants that cost \$49.99 each. How much money did she spend in all?
2. Kelly 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 pine nuts costs \$1.40. If Ellen buys 2.5 ounces of pine nuts, how much will she have to pay?
4. Allison paid \$21.75 for a number of packets of rice crackers. Three packets of rice crackers cost \$1.45. How many packets of rice crackers did Allison buy?
5. Molly and Jill 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?