Continuing to practice and maintain math skills that were learned this year is an essential part of being prepared for the next school year. This summer, every CMS student will be given a packet of assignments to complete.

Here's how summer math will work:

- Students will complete the assigned problems on paper.
- Students will complete the assigned exercises and turn them in to their teacher by September 10, 2021.
- Students are encouraged to look for help on items they are having difficulty with.

In addition to the summer math packet there are many small ways to incorporate math at home. Talking to your children about the math that occurs in everyday life will help them to see how useful math is. You might want to try some of these ideas:

- Cooking
- Playing card games or board games
- Talking about statistics while watching baseball
- Discuss rates as you are driving in the car
- Practice measuring as you are doing home projects
- Compare pricing while looking at the grocery circular

If you have any questions, please contact kristina.sparfven@chariho.k12.ri.us
Questions about modifications for special education students, please contact iris.ornberg@chariho.k12.ri.us .

All work is due on September 10, 2021. This will count for two homework grades in quarter 1.

Grade 5→6 Summer

Name: _____

Set 6: Multiply by One-Digit and Two-Digit Numbers

Multiply. Show your work.

1. $\begin{array}{r} 2{,}241 \\ \times \quad 6 \\ \hline \end{array}$

2. $\begin{array}{r} 784 \\ \times \quad 9 \\ \hline \end{array}$

3. $\begin{array}{r} 4{,}291 \\ \times \quad 3 \\ \hline \end{array}$

4. $\begin{array}{r} 28 \\ \times \ 12 \\ \hline \end{array}$

5. $\begin{array}{r} 46 \\ \times \ 62 \\ \hline \end{array}$

6. $\begin{array}{r} 83 \\ \times \ 44 \\ \hline \end{array}$

Set 7: Divide Three-Digit and Four-Digit Numbers

Divide. Show your work.

1. $203 \div 7$

2. $6{,}528 \div 8$

3. $6{,}349 \div 9$

Set 8: Compare Fractions and Decimals

Write <, >, or = in each circle to compare the decimals for problems 1–3.

1. $0.2 \bigcirc 0.20$

2. $0.24 \bigcirc 0.3$

3. $0.84 \bigcirc 0.48$

Compare the fractions using <, > or = for problems 4–6.
Show your work.

4. $\frac{2}{5}$ and $\frac{5}{8}$

5. $\frac{3}{4}$ and $\frac{2}{3}$

6. $\frac{3}{5}$ and $\frac{60}{100}$

Set 9: Add and Subtract Fractions

Fill in the blanks to complete the equations for problems 1–3.

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

2. $\frac{9}{10} = \frac{3}{10} + \frac{2}{10} +$ .....

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

Add or subtract to solve problems 4 and 5. Show your work.

4. Dora has $\frac{5}{10}$ pint of strawberries and $\frac{2}{10}$ pint of raspberries. How many pints of berries does she have altogether?

5. Andy and Javier need to clean their whole house. Andy cleans $\frac{2}{6}$ of the house and Javier cleans $\frac{3}{6}$ of the house. What fraction of the house is left to clean?

Set 10: Relate Decimals and Fractions

Write each decimal as a fraction with a denominator of 100 for problems 1–3.

1. 0.07 = ...

2. 0.6 = ...

3. 1.25 = ...

Write each fraction as a decimal for problems 4–6.

4. $\frac{9}{10}$ = ...

5. $\frac{75}{100}$ = ...

6. $\frac{2}{100}$ = ...

Set 11: Multiply Fractions by Whole Numbers

Solve the problems. Show your work.

1. Tim has 5 bags of grapes. Each bag weighs $\frac{1}{2}$ pound. How many pounds of grapes does he have?

2. Julieta reads for $\frac{3}{4}$ of an hour for 6 days in a row. How much time does she spent reading altogether?

UNIT 3

Cumulative Practice

Name: _____

Set 1: Decimal Place Value

Fill in the blanks.

1. $0.4 = \_\_\_\_ \times 10$
2. $0.06 = \_\_\_\_ \div 10$
3. 10 times 0.25 is _____.
4. $\frac{1}{10}$ of 0.07 is _____.
5. 0.9 is _____ of 9.
6. 10 times _____ is 0.06.
7. The value of the 3 in 0.13 is _____ of the value of the 3 in 0.3.
8. The value of the 4 in 4.2 is _____ times the value of the 4 in 0.402.
9. The value of the 9 in 0.19 is _____ times the value of the 9 in 0.449.

Set 2: Powers of 10

Complete the equations.

1. $4.3 \times 100 =$ _____
2. $0.055 \times 10^4 =$ _____
3. $0.004 \times 10^2 =$ _____
4. $66 \div 100 =$ _____
5. $0.1 \div 10^1 =$ _____
6. $45 \div 10^3 =$ _____

Complete the equations. Fill in each blank with a power of 10 in exponential form.

7. $2.2 \times$ _____ $= 220$
8. $40 \div$ _____ $= 0.04$
9. $0.07 \times$ _____ $= 700$
10. _____ $\times 0.75 = 75$
11. $24 \div$ _____ $= 2.4$
12. $160 \div$ _____ $= 0.016$

Set 3: Compare Decimals

Write <, >, or = in each circle to compare the numbers.

1. 42.5 ◯ 42.05
2. 3.6 ◯ 3.60
3. 0.24 ◯ 0.244
4. 0.4 ◯ 0.364
5. 65 ◯ 65.3
6. 1.075 ◯ 1.65

Set 4: Read and Write Decimals

Write each number in standard form in problems 1–6.

1. Thirteen and four tenths

2. Eight and twenty-two hundredths

3. Six hundred and seven thousandths

4. Seventy-five thousandths

5. $2 \times 10 + 4 \times \frac{1}{10} + 3 \times \frac{1}{1{,}000}$

6. $8 \times \frac{1}{100} + 9 \times \frac{1}{1{,}000}$

Write each number in word form in problems 7–9.

7. 6.047

8. 50.12

9. 0.305

Set 5: Round Decimals

Round to the nearest whole number for problems 1–3.

1. 26.48

2. 0.533

3. 5.615

Round to the nearest tenth for problems 4–6.

4. 2.154

5. 15.98

6. 0.064

Round to the nearest hundredth for problems 7–9.

7. 84.167

8. 18.062

9. 9.509

Cumulative Practice

Name: _____

Set 1: Multiply Decimals

Multiply. Show your work.

1. 5×0.4

2. 9×0.12

3. 3.4×0.07

Set 2: Divide Decimals

Divide. Show your work.

1. $6.4 \div 8$

2. $14 \div 0.7$

3. $1.8 \div 0.9$

Set 3: Multiply Fractions to Find Area

Find the area of each shape. Show your work.

1. A rectangle with length $\frac{3}{5}$ in. and width $\frac{3}{4}$ in. What is its area?

2. A rectangle with length $2\frac{1}{2}$ cm and width $1\frac{2}{3}$ cm. What is its area?

Set 4: Multiply Fractions in Word Problems

Write and solve a multiplication equation to solve each problem. Show your work.

1. Kira's purple scarf is $3\frac{1}{2}$ feet long. Her red scarf is $1\frac{1}{3}$ times as long as her purple scarf. How many feet long is Kira's red scarf?

2. Jim has $\frac{1}{3}$ of a box of cereal. He eats $\frac{1}{3}$ of the remaining cereal. What fraction of the original whole box of cereal did Jim eat?

3. Becca exercises for $1\frac{1}{2}$ hours. She dances for $\frac{5}{6}$ of the time she spends exercising. How much time does Becca spend dancing?

4. Vicente usually walks $1\frac{3}{5}$ miles to school. If he takes a new short-cut, he will walk $\frac{3}{4}$ as far as usual. How far will Vicente walk to school if he takes the short-cut?

Set 5: Divide Unit Fractions in Word Problems.

Write and solve a division equation to solve each problem. Show your work.

1. A bag of tennis balls contains 4 balls and weighs $\frac{1}{2}$ lb. Each tennis ball has the same weight. What is the weight of one tennis ball?

2. A group of students wrote a 2-page report. The students in the group each wrote $\frac{1}{3}$ of a page. How many students were in the group?

3. Iesha has 3 gallons of water. She fills glasses with $\frac{1}{10}$ gallon each. How many glasses can she fill?

Name: _____

Set 6: Add and Subtract Decimals

Add or subtract. Show your work.

1. $5.09 + 6.5$
2. $1.95 + 4.5$
3. $2.1 + 0.07 + 21.60$
4. $6 - 0.06$
5. $3.13 - 2.53$
6. $7.56 - 2.2$
7. $0.9 + 0.64$
8. $60.2 - 6.02$
9. $12 + 4.5 + 0.82$

Set 7: Add and Subtract Fractions

Add or subtract. Show your work.

1. $\frac{1}{4} + \frac{3}{8}$
2. $6\frac{7}{9} - 3\frac{2}{3}$
3. $\frac{4}{5} - \frac{1}{2}$
4. $1\frac{1}{3} + 2\frac{3}{4}$
5. $3\frac{2}{5} + 2\frac{3}{10}$
6. $7\frac{3}{7} - 5\frac{1}{2}$
7. $1\frac{2}{3} - \frac{5}{6}$
8. $5\frac{1}{3} + 4\frac{8}{12}$
9. $\frac{1}{2} - \frac{1}{9}$

Set 8: Volume

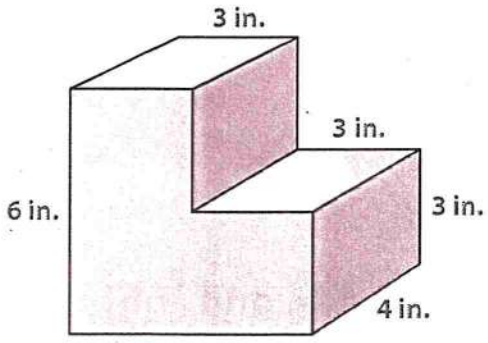
Find the volume of each figure. Show your work.

1. What is the volume of a rectangular prism with length 2 feet, width 4 feet, and height 10 feet?

2. What is the volume of a cube with a side length of 5 centimeters?

3. What is the volume of a rectangular prism with height 12 inches and a base with an area of 2 square inches?

4. What is the volume of the solid figure?



Set 9: Multiply and Divide Multi-Digit Numbers

Multiply. Show your work.

1. $\begin{array}{r} 615 \\ \times\ 21 \\ \hline \end{array}$

2. $\begin{array}{r} 984 \\ \times\ 7 \\ \hline \end{array}$

3. $\begin{array}{r} 1{,}279 \\ \times\ 26 \\ \hline \end{array}$

Divide. Show your work.

4. $47\overline{)893}$

5. $15\overline{)1{,}650}$

6. $22\overline{)3{,}080}$