

Welcome to Math- 7

I thank you for your continued dedication to your studies through this past rollercoaster of a trimester. I want you to take some time to mentally and physically relax and enjoy the great weather ahead. However throughout the summer, we have to keep our math skills sharp; so I have attached 6 weeks of work for you to complete.

Your summer math review has 2 parts:

- 6 weeks of pencil and paper review problems
- and 30mins a week of IXL.
 - IXL skills to be practiced over the summer break are listed. You should also work on the recommendations listed on your dashboards from IXL.

All math summer work is due on September 4th.

I look forward to seeing you all in September and hearing all about your summer activities.

If you have any questions, please email me
jclarke@saintroseschool.com

Have a great SUMMER!!

Math 7 Summer IXL checklist of skills

When you log into IXL, under the search for skill enter the numbers and letter combo in parentheses or the common core standard indicated in bold to find these skills.



7.RP.A.1 Compute unit rates associated with ratios of fractions including ratios of length area other quantities measured in like or different units.

unit price

7.RP.A.2a Decide whether two quantities are in a proportional relationship

Identify equivalent ratios (7-J.2)

equivalent ratio word problems (7-J.4)

do the ratios form a proportion? (7-J.9)

do the ratios form a proportion word problems (7-J.10)

7.NS.A.1a Describe situations in which opposite quantities combine to make zero.

absolute value and opposite integers (7-B.4)

7.NS.A.1b Interpret sums of rational numbers by describing real-world context

Integer addition rule, add integers using number lines, integer addition and subtraction rules, apply addition and subtraction rules.

7.NS.A.1c Understand subtraction of rational numbers as adding inverse show the distance between two rational numbers on a number line is the absolute value of their differences.

7.NS.A.1d Apply properties of operations to add and subtract rational numbers

Add integers (7-C.3)

Subtract integers (7-C.6)

Add and subtract decimals (7-C.9)

Add and subtract fractions (7-E.1)

Add and subtract mixed numbers (7-G.1)

7.NS.A.2c Applied properties of operations multiplying and dividing rational numbers

Multiply decimals (7-E.3)

divide decimals(7-E.5)

multiply fractions and whole numbers(7-G.7)

multiply fractions(7-G.9)

multiply mixed numbers(7-G.10)

divide fractions(7-G.12)

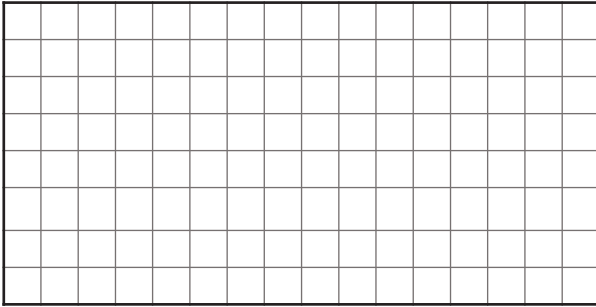
divide mixed numbers (7-G.13)

7. NS.A. 2d convert a rational number to a decimal using long division, know that the decimal form of a rational number terminates or is repeating

SUMMER Math Review: Week 1

1. Find each quotient.

$$2.94 \div 0.7 = \quad 70 \div 1.4 =$$

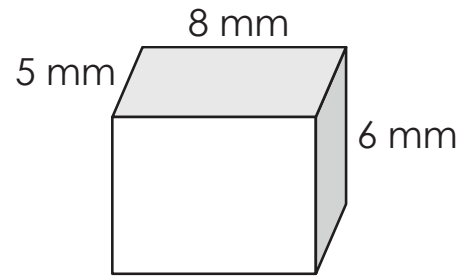


2. Find each product.

$$\frac{5}{6} \times \frac{1}{3} =$$

$$\frac{3}{4} \times \frac{1}{5} =$$

3. Find the volume.



4. Round **5.0089** to the nearest...

$$0.1 = \underline{\hspace{2cm}}$$

$$0.01 = \underline{\hspace{2cm}}$$

$$0.001 = \underline{\hspace{2cm}}$$

5. $5.938 \times 10 = \underline{\hspace{2cm}}$

$$5.938 \times 10^2 = \underline{\hspace{2cm}}$$

$$5.938 \times 10^3 = \underline{\hspace{2cm}}$$

$$5.938 \times 0.1 = \underline{\hspace{2cm}}$$

$$5.938 \times 0.01 = \underline{\hspace{2cm}}$$

$$5.938 \times 0.001 = \underline{\hspace{2cm}}$$

6.

$$\frac{1}{8} \div 7 = \frac{\square}{\square} \times \left(\frac{\square}{\square} \right) = \frac{\square}{\square}$$

$$7 \div \frac{1}{8} = \frac{\square}{\square} \times \left(\frac{\square}{\square} \right) = \frac{\square}{\square}$$

7. Roy walks to and from school everyday. If his school is $\frac{7}{8}$ miles away, how many miles does he walk each day?

8. Add parentheses to make true.

$$4 + 8 - 2 \times 3 - 7 = 15$$

9. Find each product.

$$2\frac{2}{9} \times 1\frac{1}{6} = \frac{\square}{\square} \times \frac{\square}{\square} =$$

$$5\frac{3}{5} \times 1\frac{1}{2} = \frac{\square}{\square} \times \frac{\square}{\square} =$$

10. $5.938 \div 10 = \underline{\hspace{2cm}}$

$$5.938 \div 10^2 = \underline{\hspace{2cm}}$$

$$5.938 \div 10^3 = \underline{\hspace{2cm}}$$

$$5.938 \div 0.1 = \underline{\hspace{2cm}}$$

$$5.938 \div 0.01 = \underline{\hspace{2cm}}$$

$$5.938 \div 0.001 = \underline{\hspace{2cm}}$$

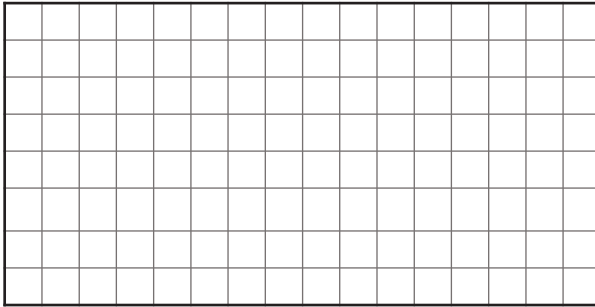
SUMMER Math Review: Week 2

1. Write and solve an expression for the following situation.

"increase 24 by 6 and then divide by 3"

2. Find each product.

$$7.852 \times 4.6 \qquad 0.765 \times 18$$



3. $5\frac{2}{3} = \frac{\square}{\square}$ $4\frac{1}{2} = \frac{\square}{\square}$

$$+ \frac{2\frac{4}{5}}{\underline{\quad}} = \frac{\square}{\square} \qquad \frac{5}{\underline{\quad}} = \frac{\square}{\square}$$

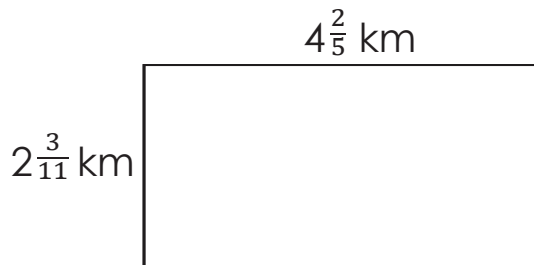
4. What is the value of the underlined digits?

$$3.\underline{0}\underline{7}82 \quad \underline{\quad} \qquad 672.\underline{0}8\underline{2} \quad \underline{\quad}$$

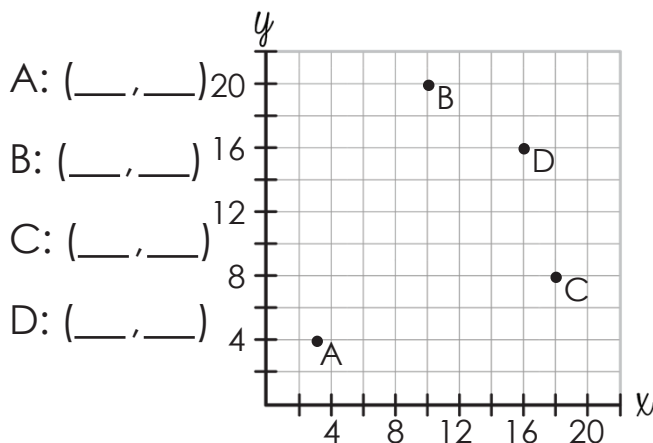
$$\underline{7}6,502 \quad \underline{\quad} \qquad \underline{3},872,965 \quad \underline{\quad}$$

5. Standard Form:	Word Form:
87.9036	Expanded Form:

6. Find the area.



8. Write the ordered pair for each point.



7. $\frac{11}{12} \times 7 = \frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square}$

$$6 \times \frac{5}{8} = \frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square}$$

9. Compare the numbers.

$$5.09 \bigcirc 5.1 \qquad 1.643 \bigcirc 1.9$$

10. Solve. Show your work.

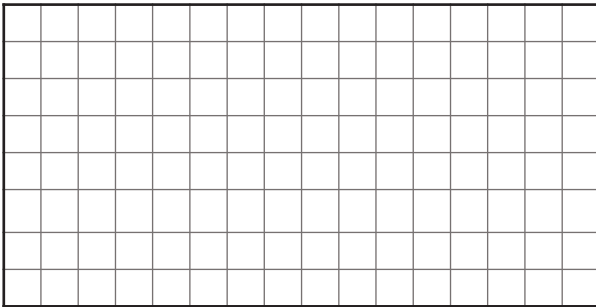
$3.98 + 2.872 =$	$16.06 - 0.982 =$
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SUMMER Math Review: Week 3

1. Find each quotient.

$6.58 \div 0.4 =$

$91 \div 1.3 =$

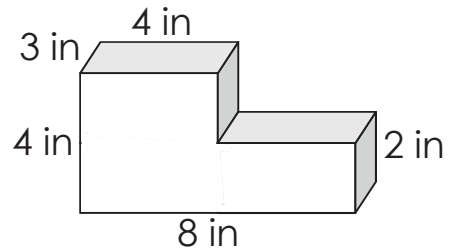


2. Find each product.

$\frac{4}{5} \times \frac{1}{8} =$

$\frac{2}{3} \times \frac{5}{9} =$

3. Find the volume.



4. All rectangles have 4 right angles. Squares have 4 right angles so they are also rectangles. True or False?

5.

$$0.06 \times 10 = \underline{\hspace{2cm}}$$

$$0.06 \times 100 = \underline{\hspace{2cm}}$$

$$0.06 \times 1,000 = \underline{\hspace{2cm}}$$

$$0.06 \times 0.1 = \underline{\hspace{2cm}}$$

$$0.06 \times 0.01 = \underline{\hspace{2cm}}$$

$$0.06 \times 0.001 = \underline{\hspace{2cm}}$$

6.

$$\frac{1}{5} \div 9 = \frac{\square}{\square} \times \left(\frac{\square}{\square} \right) = \frac{\square}{\square}$$

$$9 \div \frac{1}{5} = \frac{\square}{\square} \times \left(\frac{\square}{\square} \right) = \frac{\square}{\square}$$

7. There are 20 tables in the restaurant. $\frac{3}{5}$ of them are reserved. How many tables are reserved?

8. Evaluate the expression.

$(2 + 100) - 9 \times 7 + 0 = \underline{\hspace{2cm}}$

9. Find each product.

$3\frac{1}{3} \times 1\frac{1}{6} = \frac{\square}{\square} \times \frac{\square}{\square} =$

$4\frac{1}{2} \times 1\frac{1}{10} = \frac{\square}{\square} \times \frac{\square}{\square} =$

10.

$$0.06 \div 10 = \underline{\hspace{2cm}}$$

$$0.06 \div 100 = \underline{\hspace{2cm}}$$

$$0.06 \div 1,000 = \underline{\hspace{2cm}}$$

$$0.06 \div 0.1 = \underline{\hspace{2cm}}$$

$$0.06 \div 0.01 = \underline{\hspace{2cm}}$$

$$0.06 \div 0.001 = \underline{\hspace{2cm}}$$

SUMMER Math Review: Week 4

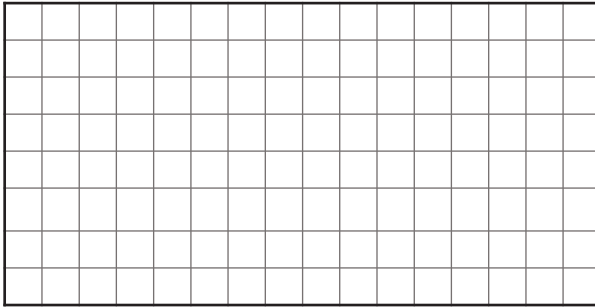
1. Write and solve an expression for the following situation.

"decrease the product of 14 and 3 by 7"

2. Find each product.

0.237×0.97

3.06×4.7



- 3.

$$\frac{4}{7} = \frac{\square}{\square}$$

$$\frac{7}{8} = \frac{\square}{\square}$$

$$+ \frac{4}{5} = \frac{\square}{\square}$$

$$- \frac{1}{3} = \frac{\square}{\square}$$

4. Rewrite using an exponent.

$10,000 = \underline{\hspace{2cm}}$

$100,000,000 = \underline{\hspace{2cm}}$

$10,000,000,000 = \underline{\hspace{2cm}}$

- 5.

$2.5 \text{ t} = \underline{\hspace{2cm}} \text{ lb}$

$51 \text{ in} = \underline{\hspace{2cm}} \text{ ft}$

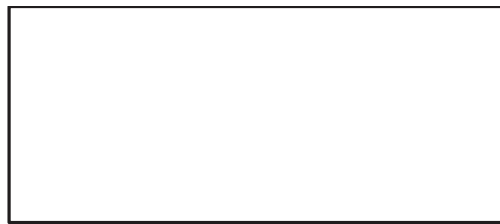
$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

6. Find the area.

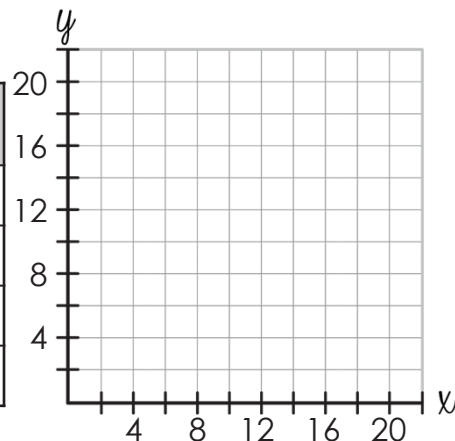
$5\frac{5}{9} \text{ m}$

$2\frac{2}{5} \text{ m}$



7. Complete the table and then graph the coordinates.

x	y
-5	+2
20	5



- 8.

$\frac{3}{4} \text{ of } 5 = \frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square}$

$\frac{2}{3} \text{ of } 7 = \frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square}$

9. Order from least to greatest.

1.39, 1.93, 1.398, 1.039

10. Solve. Show your work.

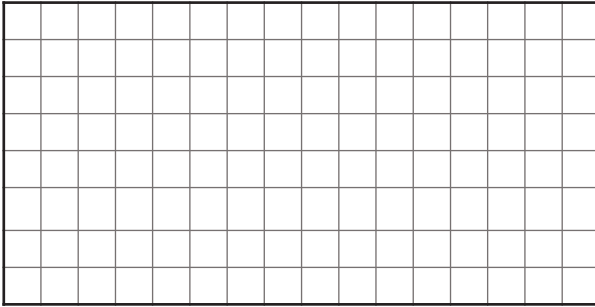
$0.009 + 13.7 =$

$5 - 1.983 =$

SUMMER Math Review: Week 5

1. Find each quotient.

$$63.92 \div 9.4 = \quad 4.35 \div 0.6 =$$

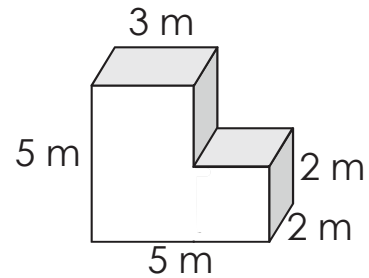


2. Find each product.

$$\frac{3}{7} \times \frac{1}{2} =$$

$$\frac{2}{5} \times \frac{4}{9} =$$

3. Find the volume.



4. Round **2.6487** to the nearest...

$$0.1 = \underline{\hspace{2cm}}$$

$$0.01 = \underline{\hspace{2cm}}$$

$$0.001 = \underline{\hspace{2cm}}$$

5. $3.97 \times 10 = \underline{\hspace{2cm}}$

$3.97 \times 10^2 = \underline{\hspace{2cm}}$

$3.97 \times 10^3 = \underline{\hspace{2cm}}$

$3.97 \times 0.1 = \underline{\hspace{2cm}}$

$3.97 \times 0.01 = \underline{\hspace{2cm}}$

$3.97 \times 0.001 = \underline{\hspace{2cm}}$

6.

$$\frac{1}{3} \div 7 = \frac{\square}{\square} \times \left(\frac{\square}{\square} \right) = \frac{\square}{\square}$$

$$7 \div \frac{1}{3} = \frac{\square}{\square} \times \left(\frac{\square}{\square} \right) = \frac{\square}{\square}$$

7. The teacher packed 7 sandwiches. That was enough for each student to have $\frac{1}{4}$ of a sandwich as a snack. How many students are there?

8. Add parentheses to make true.

$$2 \times 5 \times 4 + 3 + 6 = 76$$

9. Find each product.

$$1\frac{1}{9} \times 2\frac{1}{4} = \frac{\square}{\square} \times \frac{\square}{\square} =$$

$$3\frac{1}{3} \times 2\frac{3}{5} = \frac{\square}{\square} \times \frac{\square}{\square} =$$

10. $3.97 \div 10 = \underline{\hspace{2cm}}$

$3.97 \div 10^2 = \underline{\hspace{2cm}}$

$3.97 \div 10^3 = \underline{\hspace{2cm}}$

$3.97 \div 0.1 = \underline{\hspace{2cm}}$

$3.97 \div 0.01 = \underline{\hspace{2cm}}$

$3.97 \div 0.001 = \underline{\hspace{2cm}}$

SUMMER Math Review: Week 6

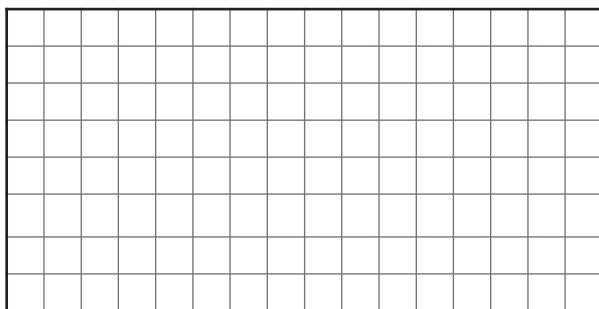
1. Write and solve an expression for the following situation.

"multiply the sum of 46 and 5 by 2"

2. Find each product.

86.5×0.03

3.07×0.38



- 3.

$$\frac{1}{2} = \frac{\square}{\square}$$

$$7\frac{5}{6} = \frac{\square}{\square}$$

$$\begin{array}{r} 6\frac{4}{5} \\ + \end{array} = \frac{\square}{\square}$$

$$\begin{array}{r} 2\frac{3}{4} \\ - \end{array} = \frac{\square}{\square}$$

4. What is the value of the underlined digits?

$21.\underline{9}82 \quad \underline{3}0,873,873$

$\underline{8}9,029 \quad 3,98\underline{3},873$

- 5.

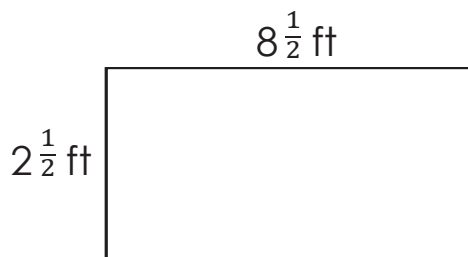
Standard Form:

Word Form:

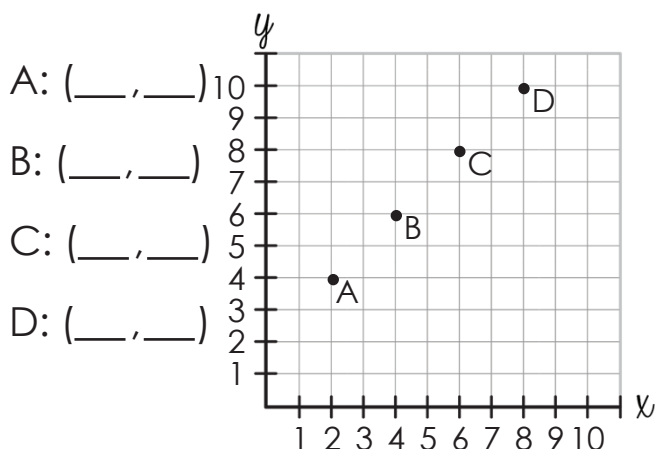
Expanded Form:

$$3 \times 10 + 9 \times 1 + 8 \times \frac{1}{10} + 6 \times \frac{1}{100} + 7 \times \frac{1}{1,000}$$

6. Find the area.



7. Write the ordered pair for each point.



- 8.

$$\frac{2}{3} \times 4 = \frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square}$$

$$9 \times \frac{4}{7} = \frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square}$$

9. Compare the numbers.

$4.007 \bigcirc 4.12 \quad 5.89 \bigcirc 5.889$

10. Solve. Show your work.

$3.33 + 0.777 =$

$2.023 - 0.178 =$