

Summer Math Packet

Directions: Please complete and turn in to your teacher on the first day of school. Please attach any additional work paper to this packet.

**Find the quotient.**

1.  $8 \overline{)243}$

2.  $347 \div 3$

3.  $7 \overline{)9.76}$

4.  $347 \div 5$

5.  $8 \overline{)1398}$

6.  $3 \overline{)64.47}$

7.  $65,742 \div 2$

Tell which is the better buy.

4 shirts for \$10    OR    \$2.49 for each shirt

**Find the sum or difference.**

$5.04 - 4.3 = \underline{\hspace{2cm}}$

$$\begin{array}{r} 2.36 \\ 2.05 \\ + 0.92 \\ \hline \end{array}$$

**Round to the ...**

nearest one.    1.4  $\underline{\hspace{1cm}}$

nearest tenth.    2.53  $\underline{\hspace{1cm}}$

**Write in order from ...**

least to greatest.  
0.77, 0.08, 0.8

$\underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$

greatest to least.  
2.1, 2.01, 2.12, 2.11

$\underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$

**Write items 16–17 as decimals.**

12  $\frac{11}{100}$   $\underline{\hspace{1cm}}$

$\frac{8}{10}$   $\underline{\hspace{1cm}}$

Rename as a fraction in simplest form.

0.4  $\underline{\hspace{1cm}}$

Use the order of operations to simplify.

$$(81 \div 9) + (2 \times 3) \underline{\hspace{2cm}}$$

Complete the function table.

Rule: $y = 3x$				
<b>Input</b>	$x$	5	7	9
<b>Output</b>	$y$			

Find the number that  $n$  stands for in the equation  $n - 15 = 3 \times 10$ .

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

About what number is the arrow pointing toward?



$$2745 + 8391 =$$

$$\$46.87 + \$15.44 =$$

$$1947 + 1965 + 1970 + 1976 =$$

Find the mean.      \$12.50, \$13.55, \$13.75, \$14.50  $\underline{\hspace{2cm}}$

Mrs. Ayres prepares snacks for 35 children in the after-school program. She has seven 6-packs of juice. At the last minute, 4 more children sign up. Will Mrs. Ayres have enough juice?

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Ito bought hamster food for \$1.05, 3 goldfish for \$.98 each, and a dog toy for \$3. He paid the cashier with a twenty-dollar bill. How much change did he receive?

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Hannah, Juan, Max, and Kim arrive early at Mrs. Stein's house to do chores. Mrs. Stein wants to feed her helpers breakfast. She has 4 brands of cereal: Hot Ricers, Toasted Wheat, Red Bran, and Puffed Oaties. Each of the 4 friends eats a different cereal: Hannah never eats rice or oats, Max loves Red Bran, Kim is allergic to wheat, and Juan likes his cereal hot. Who ate Toasted Wheat?

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Han had 413 baseball cards. He gave away 58 of them. Two days later on Han's birthday, his uncle gave him 118 more cards. How many baseball cards did Han have after his birthday?

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Round each number to the place of the underlined digit.

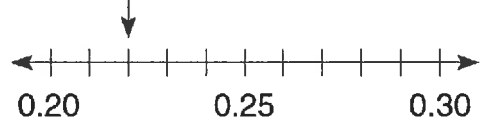
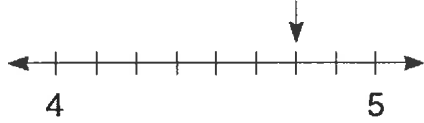
603,239

9,916,309

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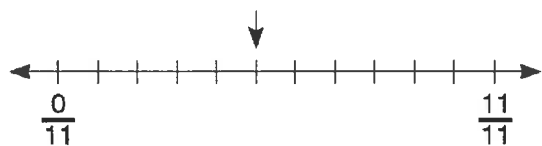
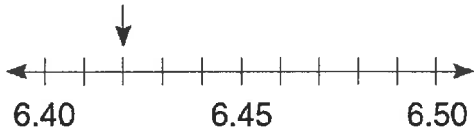
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To what fraction, mixed number, or decimal is the arrow pointing?



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\_\_\_\_\_



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\_\_\_\_\_

Use the order of operations to simplify.

$$2 \times (12 \div 4) + (13 - 5)$$

$$\left(\frac{4}{9} + \frac{3}{9}\right) \times \left(\frac{1}{4} + \frac{3}{4}\right)$$

$$(5.6 + 5.3) - (2 \times 4)$$

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Solve. Show your work and explain your thinking.

The school has a carton of red cups and a carton of yellow cups. The carton of red cups has 115 packages of 25 cups each. The carton of yellow cups has 112 packages of 15 cups each. What is the total number of cups?

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\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Find the value of each variable.**

$$8 + (9 + 4) = 8 + (6 + x)$$

$$9 \times (3 \times 7) = 9 \times (10 + y)$$

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

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

**Write the word name or standard form for each.**

seven million, forty-two thousand,  
three hundred two

\_\_\_\_\_

8,201,690

\_\_\_\_\_

**Multiply.**

$$57 \times 286$$

$$\begin{array}{r} 301 \\ \times 54 \\ \hline \end{array}$$

$$\begin{array}{r} \$9.23 \\ \times 48 \\ \hline \end{array}$$

**Divide. Use multiplication to check.**

$$5 \overline{)4908}$$

Check

$$18,486 \div 9$$

Check

$$\$46 \div 8$$

Check

**Solve. Show your work and explain your thinking.**

Jolene wants to have enough money to buy a new mountain bike. She earns \$97 per week. If the bike she wants costs \$300, will it take her about three weeks or about four weeks to earn enough money? Does Jolene need an exact answer or will a rounded estimate be good enough to help her decide?

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Write in order from greatest to least.

40.35; 50.4; 40.53; 45.3

905,865; 9,905,765; 9,509,765; 950,865

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31.67; 3.67; 31.6; 31.77

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766,897; 7,897; 786,897; 798; 77,897

Add or subtract. Write the answer in simplest form.

$$\frac{3}{12} + \frac{4}{12} = \underline{\hspace{2cm}}$$

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

$$\frac{3}{10} + \frac{6}{10} = \underline{\hspace{2cm}}$$

$$\frac{1}{8} + \frac{5}{8} = \underline{\hspace{2cm}}$$

$$\frac{5}{6} - \frac{4}{6} = \underline{\hspace{2cm}}$$

$$\frac{8}{12} - \frac{4}{12} = \underline{\hspace{2cm}}$$

$$\frac{10}{10} - \frac{7}{10} = \underline{\hspace{2cm}}$$

$$\frac{9}{12} - \frac{4}{12} = \underline{\hspace{2cm}}$$

**Add or subtract.**

$$\begin{array}{r} 7,771,248 \\ - 613,625 \\ \hline \end{array}$$

$$\begin{array}{r} 90,000 \\ - 62,848 \\ \hline \end{array}$$

$$\begin{array}{r} 331,137 \\ + 873,125 \\ \hline \end{array}$$

$$\begin{array}{r} 42,215,719 \\ + 2,383,676 \\ \hline \end{array}$$

$$361 + 862 + 1625 + 7583$$

$$\$481.85 - \$64.35$$

$$457,211 + 386,244$$

$$. \$4950.78 + \$2032.51$$

**Solve. Show your work and explain your thinking.**

A number that is greater than 1 and has exactly two factors is called *prime*. What numbers between 10 and 20 are prime? Explain why you chose the numbers you did and why you did NOT choose the other numbers.

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