Math 7CP Homework   Name _____
Oct 21 – 24, 2019   Per _____ Date _____
As you work through this week's homework, please highlight or underline words you come across that you do not understand.

<div align="center">

BOLDED – CALCULATOR OKAY
NOT BOLDED – DO NOT USE CALCULATOR

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Monday

1. **Order the numbers from least (smallest) to greatest (largest), then place them on a number line. Begin by placing appropriate reference numbers.** $-\dfrac{2}{3}, \ \dfrac{4}{9}, \ 0.86, \ -0.52, \ -\dfrac{5}{6}, \ \dfrac{1}{5}$

2. Fill in the blanks to make the equation true (hint: look at the final sum (answer on the right) and decide what the decimal represents: ie: 3 tenths or 19 hundredths):

a. $\dfrac{\ \ }{100}$ **+ 9 = 9.37**   **b.** $\dfrac{\ \ }{10}$ **+ 8 = 8.1**   **c.** $\dfrac{\ \ }{50}$ **+ 3 = 3.14**

3. Simplify using Order of Operations <u>(PEMDAS)</u>:

 a) (−3.3)(14 − 11)   b) −48 ÷ (25 − 33)   c) (150) ÷ (−25) − (11 − 5)

5. Determine if the following fractions are terminating (ending) or repeating (never ending). How do you know? Write as a decimal and percent.

  a) $\dfrac{3}{11}$ **b)** $\dfrac{1}{3}$ **c)** $\dfrac{3}{8}$

Tuesday

1. What is the first step in solving? $\dfrac{5}{9} \bullet \dfrac{27}{20}$? _____ Solve it: _____

2. What is the first step in solving? $\dfrac{7}{9} \div \dfrac{14}{36}$ _____ Solve it: _____

3. Molly bought 3 bags of dog treats for $6.45. How many bags can she buy if she has $30?
(hint: find the unit rate to help you find the answer).

4. Stan's bird feeder holds $\dfrac{7}{8}$ of a cup of birdseed. Stan is filling the bird feeder with a scoop that holds $\dfrac{1}{4}$ of a cup. How many scoops of birdseed will Stan put into the feeder?

5. If 12 is $\frac{1}{3}$ of 36, then 1.2 is $\frac{1}{3}$ of _____?

Wednesday

1. Solve the equation.

   a) $15 = -2.5x$ b) $-360 = -18x$ c) $x + 27 = -7$

2. Find the sum or difference. a) $-8 - \dfrac{5}{3}$ b) $-\dfrac{3}{4} + \left(-\dfrac{7}{12}\right)$ c) $5 - \dfrac{4}{9}$

3. Evaluate each expression for $x = -7$ and $y = 14$.

   a) $-x + y$ b) $3x - y$ c) $-3x + 2y$ d) $\dfrac{2y}{x}$

4. An Arrowhead Water Container holds 5 gallons and costs $8.25.

   a) What is the cost per gallon?   **b) What is the cost if the jug if it is already $\dfrac{1}{4}$ full?**

5. What is the first step in solving? $1\dfrac{7}{9} \div \dfrac{8}{36}$ _____ Do that step: _____

   What is the second step? _____ Solve it:

Thursday

1. Order the numbers from least to greatest, then place them on a number line. Begin by placing appropriate reference numbers. $-\dfrac{5}{3}, \dfrac{3}{5}, 0.56, -1.65, -\dfrac{5}{4}, 1\dfrac{2}{5}$

2. Simplify: a) $\dfrac{75}{-2+6+11} - 12$ b) $-(22 - 13) \cdot \dfrac{2}{3}$ c) $\sqrt{36} + (9 \cdot 3) + \sqrt{64}$

3. Write a story for -$5.95 - $12.95 and find the solution. (give me a situation where this might happen. You might want to use words such as "owe" and "borrow").

4. Simplify the expression by combining like terms: $(m + 2f + 2c + 3x) + (3m + x + 4l + 2c)$

5. What is the first step in solving? $\dfrac{7}{15} + \dfrac{8}{30}$ _____ Solve it: _____