Math 7CP Homework
Feb 10–12, 2020

Name _____
Per ____ Date _____

BOLDED – CALCULATOR OKAY
NOT BOLDED – DO NOT USE CALCULATOR

MONDAY

1. Which of the following tables show a proportional relationship? How do you know?

x	y
0	0
1	7
2	14
3	21
4	28

x	y
0	4
1	6
2	8
3	10
4	12

2. (no calculator) Select **all** values equivalent to $-\frac{10}{7}$.

- ☐ $\frac{-10}{-7}$
- ☐ $-3\frac{1}{7}$
- ☐ $1\frac{3}{7}$
- ☐ $-\frac{-10}{-7}$
- ☐ $-1\frac{3}{7}$

3. (calculator okay) Enter the decimal equivalent of $\frac{11}{8}$.

4. Eduardo has one bag with 6 blueberry and 4 raspberry gummy worms. He has another bag with 4 red and 8 black licorice sticks. If Eduardo takes one gummy worm and one licorice out of each bag, what is the probability that he will get a blueberry gummy worm **and** a black licorice?

TUESDAY

1. Rewrite each fraction as a percent and each percent as a fraction.

a. $\frac{2}{9}$ **b.** 18% **c.** 180% **d.** $\frac{5}{40}$

2. Write an equation and solve: 235 is what percent of 400?

Tuesday Homework Continued on Back

3. (calculator okay) Select **all** expressions that are equivalent to $-3.75+2(-4x+6.1)-3.25x$.

- ☐ $7x - 2x + 8.1$
- ☐ $8.45 - 8x - 3.25x$
- ☐ $-1.75 - 7.25x + 6.1$
- ☐ $-11.25x + 12.2 - 3.75$

4. (no calculator)

Enter the number that makes the equation $0.76 + \frac{24}{100} = \frac{\square}{100} + \frac{24}{100}$ true.

WEDNESDAY

1. (no calculator) Select **all** expressions equivalent to $6x-24$.

- ☐ $6(x-4)$
- ☐ $2(3x-24)$
- ☐ $3(2x-8)$
- ☐ $3(3x-21)$

2. Rewrite each fraction as a percent and each percent as a fraction.

a. $\frac{3}{8}$ **b.** 71.5% **c.** 160% **d.** $\frac{25}{40}$

3. Explain how you can find 80% of 50 without using a calculator.

4. (calculator okay) Bob rides his bike.

He records his time and distance each time he stops for water.

Time (minutes)	Distance (miles)
20	4
50	10
90	18
130	26
150	30

How many miles will Bob have traveled if he stops after 180 minutes continuing his same pattern?

5. What is the median and IQR of the data represented in the box and whisker plot? What two numbers is the middle 50% of the data between?