Math 7CP Homework   Name _____

Mar 2 - 3, 2020   Per _____ Date _____

BOLDED – CALCULATOR OKAY
NOT BOLDED – DO NOT USE CALCULATOR
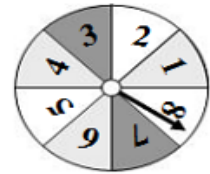
MONDAY

1. Use the percent proportion or the percent equation to solve.

a. 22 is what percent of 50?   **b. What percent of 200 is 300?**

2. Of the 112 students in the seventh grade, 80% own a pet. How many of the seventh grade students own a pet?

3. Use the spinner to determine the probability of **_not_** spinning a multiple of 3.

4. Amanda bought an IPhone XR for $1200, and then sold it 5 years later for a 35% discount. For what price did Amanda sell her phone?

5. Solve the proportion.

a. $\dfrac{12}{p} = \dfrac{6}{9}$ **b.** $\dfrac{2x}{10} = \dfrac{4}{2}$

6. Determine if the following fractions create terminating or repeating decimals.

a. $\dfrac{4}{10}$ **b.** $\dfrac{7}{16}$ **c.** $\dfrac{2}{9}$ **d.** $\dfrac{7}{8}$ **e.** $\dfrac{2}{3}$

7. Simplify the expressions by combining like terms:

a. (c+ 3h + 4f + x) + (4c + 2f + s) – (f + x) + s   **b.** 3(m + 5) + 2m + 2s

8. Lebron James scored 45 points in Game 1, and 34 points in Game 2. What is the percent of change from Game 1 to Game 2?

TUESDAY

1. Simplify the expressions by combining like terms:

a. $10y-1-15y-8$

b. $\dfrac{1}{3}x+4x-\dfrac{2}{7}$

2. Tell which number is greater.

a. $\dfrac{17}{20}$, 80%

b. 40%, 0.04

c. 160%, 0.016

d. $\dfrac{2}{25}$, 5%

3. Make a list of your two favorite ice cream flavors and your four favorite ice cream toppings. You are allowed one ice cream flavor and one topping. How many possible combinations might you have?
> *Hint*: use an organized list, table, or tree diagram to model the situation.

4. A box contains ten slips of paper numbered 1 through 10. Find the probability of each event.

a. choosing a number that is a multiple of 2.

b. choosing a number that is less than 10.

c. choosing a 5, replacing it, and then choosing a 6.

d. choosing a 9, NOT replacing it, and then choosing a 10.

5. Translate each of the following to a percent equation and solve.

a. 20 is 20% of what number?

b. What is 150% of 90?

6. Luna bought a new car for $28,000 and had to pay 9% tax. What was the total cost of the car including the tax?

7. The bar graph shows the result of spinning the spinner 40 times. Find the experimental probability of the event: spinning a 1 or 2.