

NAME _____

DATE _____

PERIOD _____

Unit 5, Lesson 10

Wednesday 3-11 due

Monday 3/16 😊

/11

Practice Problems

1. Kiran is using long division to find $623 \div 7$.

$$7 \overline{) 623}$$

He starts by dividing 62 by 7. In which decimal place should Kiran place the first digit of the quotient (8)?

- A. Hundreds
- B. Tens
- C. Ones
- D. Tenths

/1

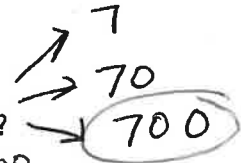
2. Here is a long-division calculation of $917 \div 7$.

$$\begin{array}{r} 131 \\ 7 \overline{) 917} \\ \underline{-7} \\ 21 \\ \underline{-21} \\ 7 \\ \underline{-7} \\ 0 \end{array}$$

a. There is a 7 under the 9 of 917. What does this 7 represent?

b. What does the subtraction of 7 from 9 mean? $900 - 700$

c. Why is a 1 written next to the 2 from $9 - 7$? *To represent the one group of 10 in 917.*



/3

3. Han's calculation of $972 \div 9$ is shown here.

NAME _____

DATE Feb 20

PERIOD _____

$$\begin{array}{r}
 180 \\
 9 \overline{) 972} \\
 \underline{- 9} \\
 72 \\
 \underline{- 72} \\
 0 \\
 \underline{- 0} \\
 0
 \end{array}$$

a. Find $180 \cdot 9$.

b. Use your calculation of $180 \cdot 9$ to explain how you know Han has made a mistake.

Use $9 \times \boxed{180} \neq 972$

c. Identify and correct Han's mistake.

After bringing down the 7 for 70s Han needed to put a zero above the 7.

13

4. Find each quotient.

a.

$$\begin{array}{r}
 93 \\
 5 \overline{) 465} \\
 \underline{45} \\
 15 \\
 \underline{15} \\
 0
 \end{array}$$

b.

$$\begin{array}{r}
 77 \\
 12 \overline{) 924} \\
 \underline{84} \\
 84 \\
 \underline{84} \\
 0
 \end{array}$$

c.

skip

$$\begin{array}{r}
 369 \\
 3 \overline{) 1107} \\
 \underline{9} \\
 20 \\
 \underline{18} \\
 27 \\
 \underline{27} \\
 0
 \end{array}$$

12

5. One ounce of a yogurt contains of 1.2 grams of sugar. How many grams of sugar are in 14.25 ounces of yogurt?

- A. 0.171 grams
- B. 1.71 grams
- C. 17.1 grams
- D. 171 grams

$\times 14.25$	0	gram
	1	1.2
	14.25	

$$\begin{array}{r}
 14.25 \text{ (2)} \\
 \times 1.2 \text{ (1)} \\
 \hline
 28.50 \\
 1425 \\
 \hline
 17.100 \text{ (3)}
 \end{array}$$

1

6. The mass of one coin is 16.718 grams. The mass of a second coin is 27.22 grams. How much greater is the mass of the second coin than the first? Show your reasoning.

subtract

$$\begin{array}{r}
 27.220 \\
 - 16.718 \\
 \hline
 10.502
 \end{array}$$

1