

Name _____ Date _____

1. Find the sums below. Choose mental math or the algorithm.

a. $46 \text{ mL} + 5 \text{ mL}$

51 mL

b. $46 \text{ mL} + 25 \text{ mL}$

$$\begin{array}{r} 51 \text{ mL} + 20 \text{ mL} \\ \hline 71 \text{ mL} \end{array}$$

c. $46 \text{ mL} + 125 \text{ mL}$

$$\begin{array}{r} 71 \text{ mL} + 100 \text{ mL} \\ \hline 171 \text{ mL} \end{array}$$

d. $59 \text{ cm} + 30 \text{ cm}$

89 cm

e. $509 \text{ cm} + 83 \text{ cm}$

$$\begin{array}{r} 510 \text{ cm} + 82 \text{ cm} \\ \hline 592 \text{ cm} \end{array}$$

f. $597 \text{ cm} + 30 \text{ cm}$

$$\begin{array}{r} 600 \text{ cm} + 27 \text{ cm} \\ \hline 627 \text{ cm} \end{array}$$

g. $29 \text{ g} + 63 \text{ g}$

$$\begin{array}{r} 30 \text{ g} + 62 \text{ g} \\ \hline 92 \text{ g} \end{array}$$

h. $345 \text{ g} + 294 \text{ g}$

$$\begin{array}{r} 345 \\ + 294 \\ \hline 639 \text{ g} \end{array}$$

i. $480 \text{ g} + 476 \text{ g}$

$$\begin{array}{r} 480 \\ + 476 \\ \hline 956 \text{ g} \end{array}$$

j. $1 \text{ L } 245 \text{ mL} + 2 \text{ L } 412 \text{ mL}$

$$\begin{array}{r} 245 \\ 3 \text{ L } 651 \text{ mL} + 412 \\ \hline 651 \end{array}$$

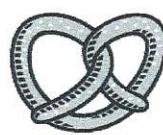
k. $2 \text{ kg } 509 \text{ g} + 3 \text{ kg } 367 \text{ g}$

$$\begin{array}{r} 509 \\ 5 \text{ kg } 816 \text{ g} + 367 \\ \hline 876 \end{array}$$

2. Nadine and Jen buy a small bag of popcorn and a pretzel at the movie theater. The pretzel weighs 63 grams more than the popcorn. What is the weight of the pretzel?

popcorn $\boxed{44\text{ g}}$ 44 g
 pretzel $\boxed{44\text{ g}}$ $\boxed{63\text{ g}}$?

The pretzel weighs 107 g.



? grams



44 grams

$$\begin{array}{r} 63 \\ + 44 \\ \hline 107 \end{array}$$

3. In math class, Jason and Andrea find the total liquid volume of water in their beakers. Jason says the total is 782 milliliters, but Andrea says it is 792 milliliters. The amount of water in each beaker can be found in the table to the right. Show whose calculation is correct. Explain the mistake of the other student.

Student	Liquid Volume
Jason	475 mL
Andrea	317 mL

$$\begin{array}{r} 475 \\ + 317 \\ \hline 792\text{ mL} \end{array}$$

Andrea is correct. Jason did not add his extra ten to the tens place from $5+7=12$.

4. It takes Greg 15 minutes to mow the front lawn. It takes him 17 more minutes to mow the back lawn than the front lawn. What is the total amount of time Greg spends mowing the lawns?

front $\boxed{15\text{ min.}}$ 15 min.

$$\begin{array}{r} 15 \\ + 17 \\ \hline 32 \end{array}$$

? 32 min.

$$\begin{array}{r} 15 \\ + 32 \\ \hline 47 \end{array}$$

back $\boxed{15\text{ min.}}$ 17 min.

It takes him 47 minutes total to mow both lawns.