

Name Jack

Date _____

Directions: Use the RDW process to solve the following problems.

1. The table shows the cost of party favors. Each party guest receives a bag with 1 balloon, 1 lollipop, and 1 bracelet. What is the total cost for 9 guests?

| Item | Cost |
|------------|------|
| 1 balloon | 26¢ |
| 1 lollipop | 14¢ |
| 1 bracelet | 33¢ |

$$\begin{array}{r}
 \overbrace{26 \quad 14 \quad 33}^{73\text{¢}} \\
 + 33\text{¢} \\
 \hline
 73\text{¢}
 \end{array}$$

$$\begin{array}{r}
 73\text{¢} \\
 \times 9 \\
 \hline
 657\text{¢}
 \end{array}$$

The total cost for 9 guests is \$6.57.

2. The Turner family uses 548 liters of water per day. The Hill family uses 3 times as much water per day. How much water does the Hill family use per week?

Turner $\boxed{548}$ L

Hill $\boxed{\quad} \boxed{\quad} \boxed{\quad} \boxed{\quad} \boxed{\quad} \boxed{\quad} \boxed{\quad}$

$$\begin{array}{r}
 548 \\
 \times 3 \\
 \hline
 1,644
 \end{array}$$

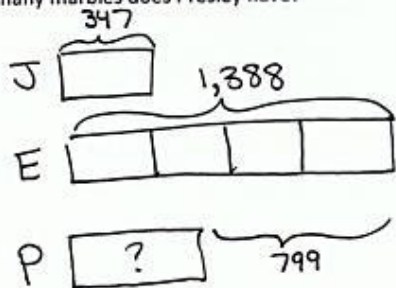
1,644 L per day

$\overbrace{1,644 \quad 1,644 \quad 1,644}^?$

$$\begin{array}{r}
 1,644 \\
 \times 7 \\
 \hline
 11,508
 \end{array}$$

The Hill family uses 11,508 liters of water per week.

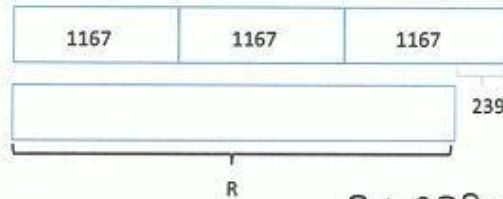
3. Jayden has 347 marbles. Elvis has 4 times as many as Jayden. Presley has 799 fewer than Elvis. How many marbles does Presley have?



$$\begin{array}{r}
 347 \\
 \times 4 \\
 \hline
 1,388 \\
 - 799 \\
 \hline
 589
 \end{array}$$

Presley has 589 marbles.

4. a. Write an equation that would allow someone to find the value of R.

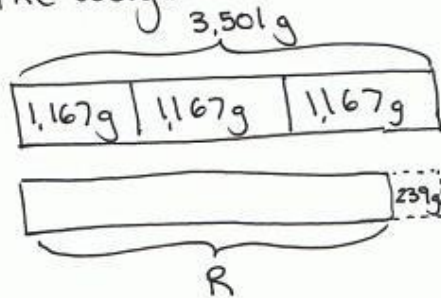


$$R + 239 = 3 \times 1,167$$

$$R = 3 \times 1,167 - 239$$

- b. Write your own word problem to correspond to this tape diagram, then solve.

Patti's sandals weigh 1,167 grams. She bought 3 pairs, all different colors. All 3 pairs of sandals weigh 239 grams more than her winter boots. What is the weight of Patti's winter boots?



$$\begin{array}{r} 1,167 \quad 3,501 \\ \times \quad 3 \quad - \quad 239 \\ \hline 3,501 \quad 3,262 \end{array}$$

Patti's winter boots weigh 3,262 grams.

