

NOVEMBER 18, 2014

1ST
2ND

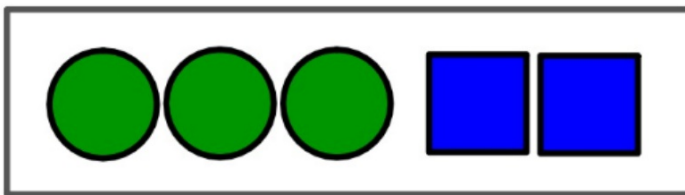
STARTER

In order to win a laptop, students had to guess the exact number of gumballs in a jar. The students guessed 41, 43, 45, 50 and 55 but nobody won. The guess were off by 3, 7, 5, 7 and 2 (given in no particular order). Use this information to find the exact number of gumballs in the jar.

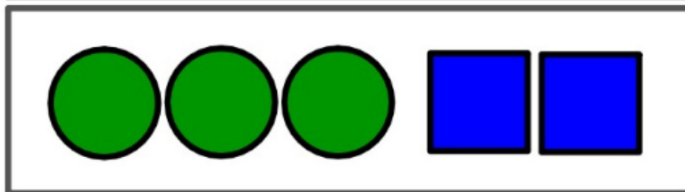


PALAMINO

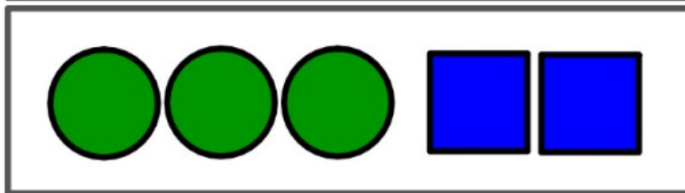
11/18 Distributive Property with Rational Numbers



3 greens and 2 blues
 $3g+2b$



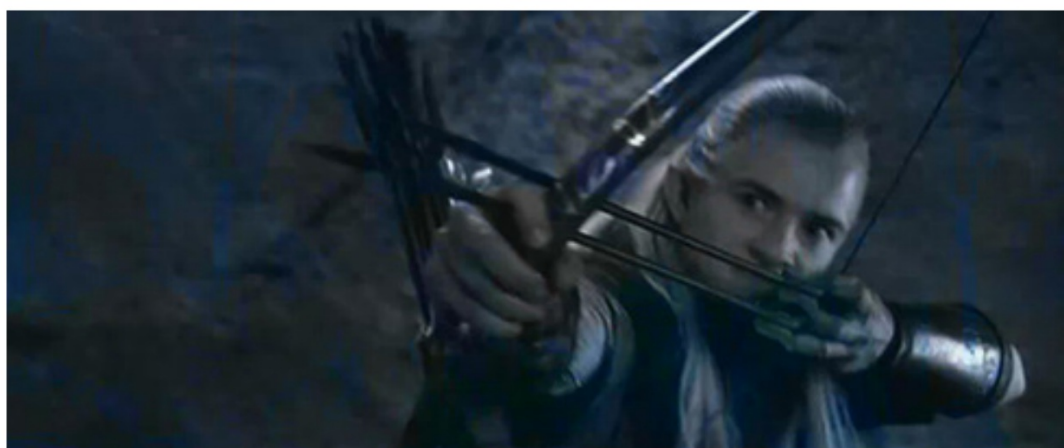
$3g+2b$



$3g+2b$

$$3g+2b+3g+2b+3g+2b =$$
$$3(3g+2b)$$

IMAGINE SHOOTING 2 ARROWS AT ONCE...



NOW TRY THESE...



$$\begin{aligned} & 3(4s + 3d) \\ &= 3 \cdot 4s + 3 \cdot 3d \\ &= 12s + 9d \end{aligned}$$



$$\begin{aligned} & 2(6c + 2x) \\ &= 12c + 4x \end{aligned}$$


$$3(2x - 4)$$
$$= 6x - 12$$


The negative becomes the subtract.

$$-5(7 + 2k)$$
$$= -35 - 10k$$

$$= -10k - 35$$

Variable term goes first!

$$4(1.5n + 3.2)$$

$$= 6n + 12.8$$

$$-0.7(4.1 - 1.2b)$$

$$= 0.84b - 2.87$$

$$\begin{array}{r} 1.5 \\ 4 \\ \hline 6.0 \end{array}$$

$$\begin{array}{r} 3.2 \\ 4 \\ \hline 12.8 \end{array}$$

$$\begin{array}{r} 1.2 \\ 0.7 \\ \hline .84 \end{array}$$

$$\begin{array}{r} 4.1 \\ 0.7 \\ \hline 2.87 \end{array}$$

$$\frac{5}{6} \left(-\frac{1}{3}c - 3 \right)$$
$$= -\frac{5}{18}c - 2\frac{1}{2}$$

$$2\frac{1}{2} \left(d - \frac{1}{2} \right)$$
$$= 2\frac{1}{2}d - 1\frac{1}{4}$$

$$\frac{5}{6} \cdot \frac{1}{3} = \frac{5}{18}$$
$$2\frac{1}{2} \cdot -\frac{1}{2} = -\frac{5}{2}$$

$$\frac{5}{2} \cdot \frac{1}{2} = \frac{5}{4}$$

HOMEWORK

Pink WS2

"Because chicks dig it." ~Randy

DUE Wednesday