

NOVEMBER 18, 2014 4TH

STARTER

1. $-4(-15)$

$$\begin{array}{r} 15 \\ 4 \\ \hline 60 \end{array} = 60$$

2. $-1.2(4.7)$

$$\begin{array}{r} 4.7 \\ 1.2 \\ \hline 194 \\ 47 \\ \hline 564 \end{array} = -5.64$$

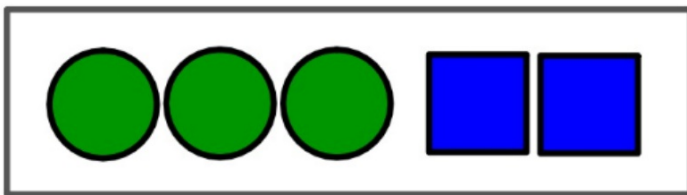
$$\begin{array}{r} 5.9 \\ \times 24 \\ \hline 236 \\ 118 \\ \hline 1416 \end{array}$$

3. $24(-5.9)$

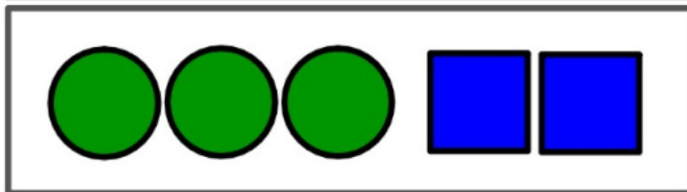
$$= -141.6$$

PALAMINO

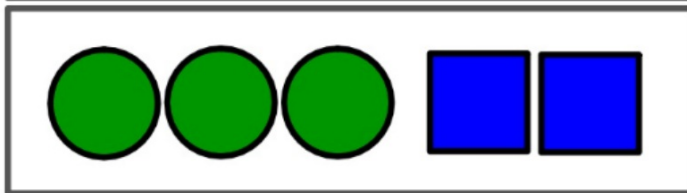
11/18 Distributive Property with Rational Numbers



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



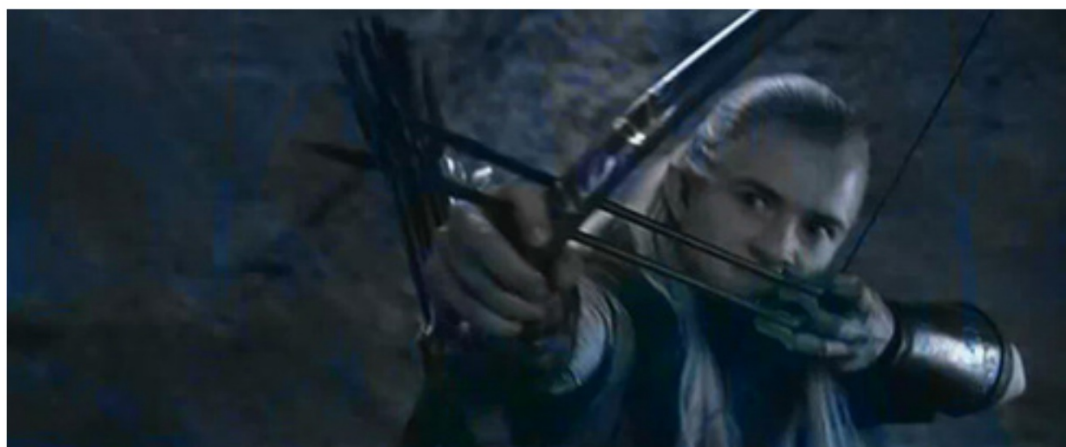
$3g+2b$



$3g+2b$

$$\begin{aligned} & 3g + 2b + 3g + 2b + 3g + 2b \\ & = 3(3g + 2b) \\ & = 9g + 6b \end{aligned}$$

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
must be first!

$$\begin{aligned} & -3(-5 + 6k) \\ &= 15 + 18k \\ &= -18k + 15 \end{aligned}$$

$$\begin{aligned} & (10 - 4v)6 \\ &= 60 - 24v \\ &= -24v + 60 \end{aligned}$$

$$4(1.5n + 3.2)$$
$$= 6n + 12.8$$

$$-0.7(4.1 - 1.2b)$$
$$= 0.84b - 2.87$$

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

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

$$\begin{array}{r} 1.2 \\ \times 0.7 \\ \hline 0.84 \end{array}$$

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

HOMEWORK

Cherry WS 2

DUE Wednesday