

December 7, 2011

Get out your homework from Friday and Monday

$$\textcircled{30} \quad \textcircled{3\frac{2}{7}x} + \boxed{\frac{1}{6}} + \textcircled{1\frac{1}{2}x} + \boxed{5\frac{3}{8}}$$
$$= 4\frac{11}{14}x + 5\frac{13}{24}$$

$$\begin{array}{r} + 3\frac{2}{7}x \\ + 1\frac{1}{2}x \\ \hline 4\frac{11}{14}x \end{array}$$

$$\begin{array}{r} + 5\frac{12}{24} \\ + 1\frac{4}{24} \\ \hline 5\frac{16}{24} \end{array}$$



(28)

$$+2.4V + 9.5 + 3.2 - 7.889V$$

$$= -5.489V + 12.7$$

$$\begin{array}{r} -7.889 \\ + 2.400 \\ \hline -5.489 \end{array}$$

$$\begin{array}{r} +9.5 \\ +3.2 \\ \hline 12.7 \end{array}$$

$$\textcircled{27} -\frac{2}{3}(-2b + \frac{5}{8})$$

$$= 3\frac{1}{3}b - \frac{1}{24}$$

$$\textcircled{23} -0.5(6.2r - 0.031)$$

$$= -3.1r + 0.0155$$

$-\frac{2}{3} \cdot -2 = 3\frac{1}{3}$
 $-\frac{2}{3} \cdot \frac{5}{8} = -\frac{1}{24}$
 " w/p
 $-\frac{2}{3} \cdot -2 = 3\frac{1}{3}$
 $-\frac{2}{3} \cdot \frac{5}{8} = -\frac{1}{24}$
 " w/p

$$\begin{array}{r} 6.2 \\ 0.5 \\ \hline 3.1 \end{array}$$

$$\begin{array}{r} 0.031 \\ \times 0.5 \\ \hline 0.0155 \end{array}$$

$$\textcircled{24} \quad 4(2.6m + 1.5l) \\ = 10.4m + 6.0l$$

$$\textcircled{21} \quad 0.5(2.7k + 4) \\ = 1.35k + 2$$

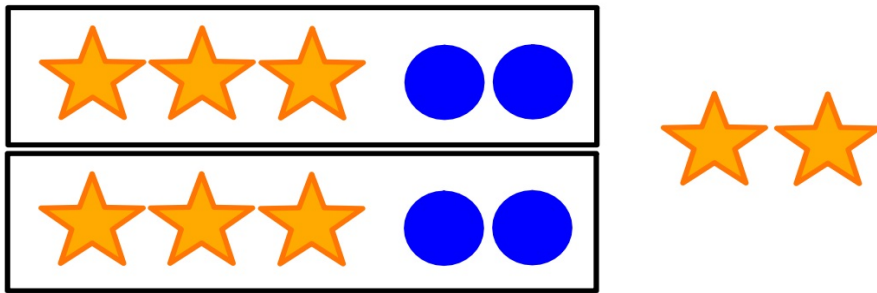
$$\begin{array}{r} 2.6 \\ 4 \\ \hline 10.4 \end{array}$$

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

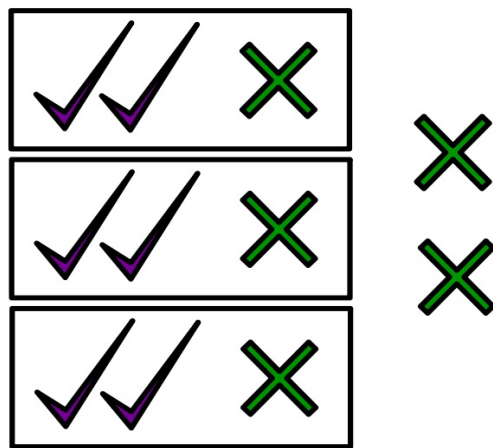
$$\begin{array}{r} 2.7 \\ 0.5 \\ \hline 1.35 \end{array}$$

$$\begin{array}{r} 4 \\ .5 \\ \hline 2.0 \end{array}$$

12/7 - Distributing and Like Terms



$$\begin{aligned} & 2(3s + 2b) + 2s \\ &= 6s + 4b + 2s \\ &= 8s + 4b \end{aligned}$$



$$\begin{aligned} & 3(2c + x) + 2x \\ &= 6c + 3x + 2x \\ &= 6c + 5x \end{aligned}$$

Simplify these completely:

$$\begin{aligned} & 5(4n-3)+5 \\ &= 20n-15+5 \\ &= 20n-10 \end{aligned}$$

$$\begin{aligned} & 4(2k+3)-3k \\ &= 8k+12-3k \\ &= 5k+12 \end{aligned}$$

$$\begin{aligned} & -6(2b+5)+11 \\ &= -12b-30+11 \\ &= -12b-19 \end{aligned}$$

$$\begin{aligned} & -2(-4+5y)-4y \\ &= 8-10y-4y \\ &= -14y+8 \end{aligned}$$

$$2n + 3 \cdot (2n - 4)$$
$$= \underline{2n} + \underline{6n} - 12$$
$$= 8n - 12$$

① Distribute the # in front of the ()

② Combine like terms

$$-3 - 2(6 - 3k)$$
$$= \underline{-3} \quad \underline{-12} + 6k$$
$$= 6k - 15$$

$$4b - 2(5 + 3b)$$

$4b$ -10 $-6b$

$$-2b - 10$$

$$-3(2m - 4) + 6$$

$-6m$ $+12$ $+6$

$$-6m + 18$$

$$4m + 2(m - 3)$$

$$3c - (10 - 2c)$$

$$\begin{aligned}
 & -0.3(1.5d - 2.7) + 7.6 \\
 = & -0.45d + \underbrace{0.81} + \underbrace{7.6} \\
 = & -0.45d + 8.41
 \end{aligned}$$

$$\begin{array}{r}
 \overset{1}{1.5} \\
 \overset{2}{0.3} \\
 \hline
 .45
 \end{array}
 \quad
 \begin{array}{r}
 \overset{2}{2.7} \\
 \overset{1}{0.3} \\
 \hline
 .81
 \end{array}
 \quad
 \begin{array}{r}
 \overset{1}{+0.81} \\
 \overset{2}{+7.60} \\
 \hline
 8.41
 \end{array}$$

$$\frac{2}{3} \left(1\frac{1}{2} - 2\frac{1}{4}f \right) - 4\frac{2}{3}f$$

$$= 1 - \frac{1}{2}f - 4\frac{2}{3}f$$

$$= -6\frac{1}{6}f + 1$$

Variable
part 1st

$$\begin{array}{l} \frac{2}{3} \cdot \frac{1}{2} \\ \frac{2}{3} \cdot \frac{1}{4} \\ \frac{2}{3} \cdot \frac{1}{4} \end{array}$$

$$\begin{array}{l} \frac{2}{3} \cdot 2\frac{1}{4} \\ \frac{2}{3} \cdot \frac{1}{4} \\ \frac{2}{3} - \frac{1}{4} \end{array}$$

$$\begin{array}{r} -4\frac{2}{3} \frac{f}{6} \\ -1\frac{1}{2} \frac{f}{6} \\ \hline -5\frac{7}{6} = -6\frac{1}{6} \end{array}$$

$$\begin{aligned} & 2(4n-2) + 2(3+5n) \quad | \quad -3(b-7) - 1(10+4b) \\ & = \underline{8n} - \underline{4} + \underline{6} + \underline{10n} \quad | \quad \underline{-3b} + \underline{21} - \underline{10} - \underline{4b} \\ & = 18n + 2 \quad | \quad = -7b + 11 \end{aligned}$$

Homework:

Blue **Worksheet** 9 9 9b
#1-10 #11-20 #1-10
Due: Thurs ^{due} Monday ^{due} Friday