

6th Grade
March 29, 2021

Today we will:

-Review balancing each kind of equation

-Work alone or in partners on Star Wars-themed task card WS

HOMEWORK:

Study for quiz tomorrow

No binder check

ALEKS assignment: 60 min and 5 topics due next Monday by 11:59pm



Examples for balancing equations:

Addition

$$\frac{17}{25} + m = \frac{2}{5} \quad \frac{2}{5} \times \frac{5}{5} = \frac{10}{25}$$

$$\frac{17}{25} - \frac{10}{25} = \frac{7}{25}$$

$$m = \frac{7}{25}$$

$$\frac{17}{25} + m = \frac{2}{5}$$

$$\frac{17}{25} + \frac{7}{25} = \frac{24}{25}$$

$$\frac{24}{25} - \frac{17}{25} = \frac{7}{25}$$

Subtraction

$$x - 6.2 = 12.93$$

$$+ 6.2 \quad + 6.2$$

$$\frac{12.93}{+ 6.20} = \frac{19.13}{19.13}$$

$$x = 19.13$$

Multiplication

$$12h = 192$$

$$\frac{12h}{12} = \frac{192}{12}$$

$$h = 16$$

$$12 \overline{) 192}$$

$$\underline{12} $$

$$70$$

$$\underline{72}$$

$$0$$

Division

$$\frac{w}{6.1} = 8.5$$

$$\frac{w}{6.1} \times 6.1 = 8.5 \times 6.1$$

$$w = 51.85$$

Label the top of this notebook page Chapter 7 Review, March 29.

Solve each equation.

$$35 + y = 45$$



$$\begin{array}{r} 35 + y = 45 \\ -35 \quad -35 \\ \hline y = 10 \end{array}$$

C3PO needs 8 more parts. If he needs 189 parts total, write and solve an addition equation to find how many parts he already has.



$$\begin{array}{r} p + 8 = 189 \\ -8 \quad -8 \\ \hline p = 181 \end{array}$$

Solve each equation.

$$44 = n - 53$$



$$\begin{array}{r} 44 = n - 53 \\ +53 \quad +53 \\ \hline 97 = n \end{array}$$

Solve each equation.

$$m \div 12 = 11$$



$$\begin{array}{r} m \div 12 = 11 \\ \times 12 \quad \times 12 \\ \hline m = 132 \end{array}$$

Solve each equation.

$$40 = 8z$$



$$\begin{array}{r} 40 = 8z \\ \div 8 \quad \div 8 \\ \hline 5 = z \end{array}$$

Solve each equation.

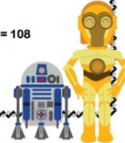
$$181 = k + 92$$



$$\begin{array}{r} 181 = k + 92 \\ -92 \quad -92 \\ \hline 89 = k \end{array}$$

Solve each equation.

$$d + 77 = 108$$



$$\begin{array}{r} d + 77 = 108 \\ -77 \quad -77 \\ \hline d = 31 \end{array}$$

Solve each equation.

$$13 = p - 20$$



$$\begin{array}{r} 13 = p - 20 \\ +20 \quad +20 \\ \hline 33 = p \end{array}$$

Leia is sending messages to Obi-Wan. If she sends 5 messages each day and sends a total of 45 messages, write and solve a multiplication equation to find how many days she sends messages.



$$\begin{array}{r} 5d = 45 \\ \hline 5 \quad 5 \end{array}$$

$$d = 9 \text{ days}$$

Solve each equation.

$$76 = 36 + w$$



$$\begin{array}{r} 76 = 36 + w \\ -36 \quad -36 \\ \hline 40 = w \end{array}$$

Solve each equation.

$$\frac{k}{8} = 14$$



$$\begin{array}{r} k = 14 \\ \times 8 \\ \hline k = 112 \end{array}$$

Solve each equation.

$$13 = e - 4$$



$$\begin{array}{r} 13 = e - 4 \\ +4 \quad +4 \\ \hline 17 = e \end{array}$$

Solve each equation.

$$6a = 54$$



$$\begin{array}{r} 6a = 54 \\ \hline 6 \quad 6 \end{array}$$

$$a = 9$$

Solve each equation.

$$\frac{3}{8} + c = \frac{4}{5}$$



$$\begin{array}{r} +c = \frac{4}{5} \times \frac{8}{8} = \frac{32}{40} \\ -\frac{3}{8} \times \frac{5}{5} = -\frac{15}{40} \\ \hline c = \frac{17}{40} \end{array}$$

Solve each equation.

$$8.2x = 131.2$$



$$\begin{array}{r} 8.2x = 131.2 \\ \hline x = 16 \end{array}$$

$$\begin{array}{r} 16. \\ 82 \overline{)131.2} \\ \underline{82} \\ 492 \\ \underline{492} \\ 0 \end{array}$$

Solve each equation.

$$\frac{f}{13} = 91$$



$$\begin{array}{r} f = 91 \\ \times 13 \\ \hline 273 \\ 910 \\ \hline f = 1183 \end{array}$$

