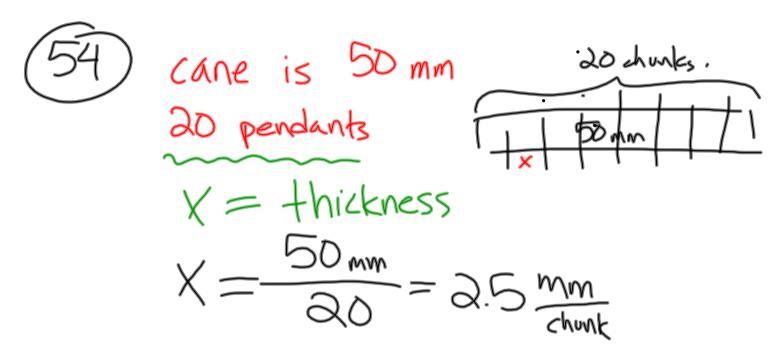
Homework review 3.1, 3.2



$$\frac{x}{30} = 27$$
 $\frac{x}{3} = 27$
 $\frac{x}{3} = 27$
 $\frac{x}{3} = 27$
 $\frac{x}{3} = 27$
 $\frac{x}{3} = 27$

Capacity
$$\cong 4,500,000$$

Comently $\cong 3,000,000$

Cell $\cong 1,500$
 $X = \# \text{ of days}$
 $y = \text{amount in the landfill}$

Amount $= \text{ how much}$

was in $+ \text{ garbage}$
 $y = 3,000,000 + 1500 +$

Warm-up - Find x:

$$\frac{3}{2}x - 15 = -31$$
+15 +15
$$\frac{3}{4}x = -16$$

$$\frac{3}{4}x = -16$$

$$\frac{3}{4}x = -32$$

Solving Multi-Step Equations:

$$9n - 4 + 1n = 16$$
 Combine Like Terms
$$\begin{vmatrix}
0n - 4 &= 16 \\
+ 4 & + 4
\end{vmatrix}$$

$$\frac{10n = 20}{10}$$

$$N = 2$$

Solving Multi-Step Equations:

$$6w + 5(w - 2) = 2$$

$$6w + 5w - 10 = 23$$

$$11w - 10 = 23$$

$$+ 10 + 10$$

$$11w = 33$$

$$11$$

$$11$$

$$11$$

Use the distributive property

Solving Multi-Step Equations:

$$\frac{1}{3}(m+6) = 4$$

$$\frac{1}{3}$$

$$M+6 = 12$$

$$-6 = 6$$

$$M=6$$

Avoid the distributive property

$$4 \div \frac{1}{3} = \frac{4}{1} \cdot \frac{3}{1} = 12$$

Sec 3.3 021312.notebook

Example:
$$\frac{5}{2}(6m-11) = \frac{5}{25} \cdot \frac{17}{25}$$

$$\frac{6m-(1)}{6m} = \frac{96}{6}$$

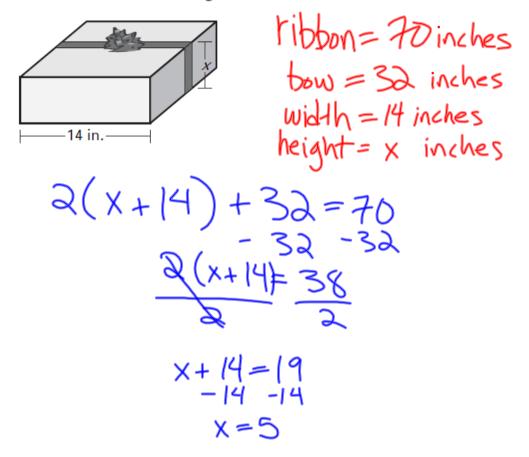
$$m = 16$$

4.
$$-31 = 8 - 6p - 7p$$
 5. $9 + 4(x + 1) = 25$ **6.** $7(d - 5) + 12 = 5$

5.
$$9 + 4(x + 1) = 25$$

6.
$$7(d-5)+12=5$$

Wrapping a Package It takes 70 inches of ribbon to make a bow and wrap the ribbon around a box. The bow takes 32 inches of ribbon. The width of the box is 14 inches. What is the height of the box?



Homework: p. 150, 3 - 54 by 3