4-4 Solving Equations by Multiplying/Dividing

m = money the club raises
c = # of cars washed

$$\frac{5}{5}c = \frac{120}{5}$$

D	U
$\cdot 5$	$\div 5$

$$c = 24$$

24 cars

p.191
1A.

$$\frac{-54}{6} = \frac{6}{6}x$$

$$-9 = x$$

D | U
·6 | ÷6

1B $\frac{7a}{7} = \frac{63}{7}$

$a = 9$

D | U
·7 | ÷7

3.

p = # of permits

\$180.00 each permit

8280.00 total

$\frac{180}{180}p = \frac{8280}{180}$ $\begin{array}{c|c} D & u \\ \hline \cdot 180 & \div 180 \end{array}$

$p =$ 46 permits

$$\frac{4}{1} \cdot \frac{y}{4} = -\frac{8}{1} \cdot \frac{4}{1}$$

D | U

÷4 | ×4

$y = -32$

$$\frac{-2.7}{1} = \frac{x}{-2} \quad \begin{array}{c|c} D & U \\ \hline \div -2 & \cdot -2 \end{array}$$

$$-14 = x$$

$$\frac{6}{1} \cdot \frac{a}{6} = 12 \cdot 6 \quad \begin{array}{c|c} D & U \\ \hline \div 6 & \cdot 6 \end{array}$$

$$a = 72$$

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

D | U

$\cdot -\frac{3}{5}$ | $\div -\frac{3}{5}$

$\cdot -\frac{5}{3}$

$x = 10$

$\frac{7}{6} \cdot \frac{6}{7} m = -\frac{24}{1} \cdot \frac{7}{6}$, D|U $\cdot\frac{6}{7}|\cdot\frac{7}{6}$

$m = -28$

$\frac{4}{5} - \frac{5}{4}x = \frac{5}{1} \div \frac{9}{5}$ $\cdot -\frac{5}{4}$ D|U $\cdot -\frac{9}{5}$

$x = -9$

4-4

12 - 42 evens

add

50, 52, 64, 66, 68