42.)

$$27.5$$
$$+\ 42.5$$
$$\overline{70 \text{ mph}}$$

62.)

$$12_p = 18.00$$

$$15_p = 21.75$$

60.)

$$3\frac{2}{3} \cdot n =$$

$$\frac{3}{4} \cdot \frac{11}{3}n = \frac{2}{9} \cdot \frac{3}{11}$$

$$n = \boxed{\frac{2}{33}}$$

D	u
$\cdot \frac{11}{3}$	$\cdot \frac{3}{11}$

working 140,000,000

70.)

Production $\dfrac{20}{20}p = \dfrac{140,000,000}{20}$

a.) $P = 7,000,000$ prod. occ.

$P - 2,300,000 =$

b.) $7,000,000 - 2,300,000 = 4,700,000$ people

64.)

$$5\,mill + n = 8\,mill.$$

68.)　$$126 = \frac{2}{3}p$$

2-3   Solving Multi-step Equations

$$\underline{Do \mid Undo}$$

Order of
  Operations

P
E
m or D
A or S

S or A   Order of operations is
D or M   reversed !
E
P

$$11x - 4 = 29$$
$$ +4 \quad +4$$
$$11x = 33$$
$$\frac{11}{11}x = \frac{33}{11}$$

$$\boxed{x = 3}$$

D	u
$\cdot 11$	$+4$
-4	$\div 11$

$$8 \cdot \frac{a+7}{8} = 5 \cdot 8$$

$$a + 7 = 40$$
$$\underline{-7 \quad -7}$$

$$\boxed{a = 33}$$

D	u
$+7$	$\cdot 8$
$\div 8$	-7

$$(-2) \frac{n+1}{-2} = 15 \; (-2)$$

$$n+1 = -30$$

$$\underline{-1 \quad = -1}$$

$$\boxed{n = -31}$$

2 A.) $\frac{3}{5}$ cd

$$\frac{3}{5}c - 10 = 62$$
$$+10 \quad +10$$

$$\frac{5}{3} \cdot \cancel{\frac{3}{5}}c = 72 \cdot \frac{5}{3}$$

$$\boxed{C = 120}$$

Do	Undo
$\cdot \frac{3}{5}$	$+10$
-10	$\cdot \frac{5}{3}$

2B.)

$a = c$

$$\frac{3}{4}n + 22 = 220$$

$$-22 \quad -22$$

$$198$$

$$\frac{4}{3} \cdot \frac{3}{4}n = 198 \cdot \frac{4}{3}$$

$$\boxed{n = 264}$$

Consecutive Integers

$$n+1, \quad n+2, \quad n+3$$

ex $n=2$

$$2+1=3, \quad 2+2=4, \quad 2+3=5$$

Consecutive Evens

$$n, \quad n+2, \quad n+4, \quad n+6, \dots$$

$\boxed{n=2}$ $\quad n+2=4, \quad 2+4=6, \quad 2+6=8 \dots$

Consecutive Odds

$\boxed{n=1}$ $\quad n+2 \quad n+4 \quad n+6$

$$1+2=3, \quad 1+4=5, \quad 1+6=7$$

$$\text{Sum} = -51$$

$$\underline{n} + \boxed{n+2} + \boxed{n+4} = -51$$

$$3n + 6 = -51$$
$$\; -6 \quad -6$$
$$3n = 57$$
$$n = -19$$
$$n + 2 = -17$$
$$n + 4 = -15$$

Consecutive Integers

$$n + (n+1) + (n+2) = 21$$

$$3n + 3 = 21$$

$$\underline{-3 \quad -3}$$

$$3n = 18$$

$$n = 6$$

$$n+1 = 7$$

$$n+2 = 8$$

$$\boxed{6, 7, 8}$$