

#13

(20)

PEANUTS

(30)

ALMONDS

BROKE MIX

$$\begin{pmatrix} X \\ \text{lbs} \end{pmatrix} \begin{pmatrix} 8 \\ \$ \end{pmatrix} + \begin{pmatrix} 50-X \\ \text{lbs} \end{pmatrix} \begin{pmatrix} 7 \\ \$ \end{pmatrix} = \begin{pmatrix} 50 \\ \text{lbs} \end{pmatrix} \begin{pmatrix} 7.40 \\ \$ \end{pmatrix}$$

$$8X + 350 - 7X = 370$$

$$X + 350 = 370$$

$$X = 370 - 350$$

$$X = 20$$

#14

(10)

QUARTERS

(50)

DIMES

$$\begin{pmatrix} X \\ \text{QTY} \end{pmatrix} \begin{pmatrix} .25 \\ \$ \end{pmatrix} + \begin{pmatrix} 60-X \\ \text{QTY} \end{pmatrix} \begin{pmatrix} .10 \\ \$ \end{pmatrix} = 7.50$$

$$.25X + 6 - .1X = 7.50$$

$$.15X + 6 = 7.50$$

$$.15X = 7.50 - 6$$

$$.15X = 1.5$$

$$\frac{.15X}{.15} = \frac{1.5}{.15}$$

$$X = 10$$

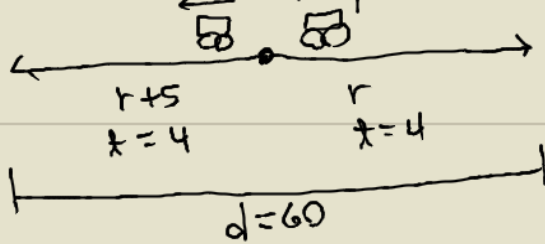
#15

W

(10)

(5)

E



$$d = rt$$

$$\begin{matrix} \text{W BIKE} & \text{E BIKE} \\ r_w t_w + r_e t_e & = 60 \\ (r+5)(4) + r(4) & = 60 \end{matrix}$$

$$4r + 20 + 4r = 60$$

$$8r + 20 = 60$$

$$8r = 60 - 20$$

$$8r = 40$$

$$\frac{8r}{8} = \frac{40}{8}$$

$$r = 5$$