

$A = \#$  Adult tickets

$C = \#$  Children's tickets

$$A + C = 21$$

$$6A + 4C = 104$$

You sold 10 adult and 11 children's tickets.

$$-4(A + C = 21)$$

$$-4A - 4C = -84$$

$$6A + 4C = 104$$

$$\hline 2A = 20$$

$$A = 10$$

$$(10) + C = 21$$

$$C = 11$$

Sep 9-2:12 PM

$C = \#$  chicken dinners

$S = \#$  Steak dinners

$$C + S = 6$$

$$14.80C + 17S = 91$$

There were 5 chicken and 1 steak dinners.

$$-17(C + S = 6)$$

$$-17C - 17S = -102$$

$$14.8C + 17S = 91$$

$$\hline -2.2C = -11$$

$$C = 5$$

$$(5) + S = 6$$

$$S = 1$$

Sep 9-2:16 PM

$d = \#$  hot dogs  
 $b = \#$  hamburgers

$$d + b = 8$$

$$1.6d + 5b = 23$$

You bought  
 3 packages of  
 hamburger.

$$\begin{array}{r} d + b = 8 \\ -b \quad -b \\ \hline \end{array}$$

$$d = 8 - b$$

$$1.6(8 - b) + 5b = 23$$

$$12.8 - 1.6b + 5b = 23$$

$$12.8 + 3.4b = 23$$

$$3.4b = 10.2$$

$$b = 3$$

Sep 9-2:19 PM

$p = \$$  pizza

$b = \$$  breadstick

$$3p + 2b = 29.50$$

$$2p + 3b = 23$$

A pizza costs  
 \$8.50.

$$2(3p + 2b = 29.50)$$

$$-3(2p + 3b = 23)$$

$$6p + 4b = 59$$

$$-6p - 9b = -69$$

$$\begin{array}{r} -5b = -10 \\ \hline \end{array}$$

$$\begin{array}{r} -5 \quad -5 \\ \hline \end{array}$$

$$b = 2$$

$$2p + 3(2) = 23$$

$$2p + 6 = 23$$

$$2p = 17$$

$$p = 8.5$$

Sep 10-9:38 AM

$d = \$ \text{ per day}$   
 $m = \$ \text{ per mile}$

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$550m + 6d = 337$   
 $350m + 3d = 185$

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The car costs  
 $\$36$  per day  
 and  $\$.22$  per  
 mile.

$-2(350m + 3d = 185)$   
 $-700m - 6d = -370$   
 $550m + 6d = 337$   


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 $-150m = -33$   
 $m = .22$   
 $350(.22) + 3d = 185$   
 $77 + 3d = 185$   
 $3d = 108$   
 $d = 36$

Sep 10-9:51 AM

$n = \$ \text{ per night}$   
 $m = \$ \text{ per meal}$

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$2n + 3m = 195$   
 $3n + 5m = 300$

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1 meal costs  
 $\$15$

$3(2n + 3m = 195)$   
 $-2(3n + 5m = 300)$   
 $6n + 9m = 585$   
 $-6n - 10m = -600$   


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 $-m = -15$   
 $m = 15$   
 $* 2n + 3(15) = 195$   
 $2n + 45 = 195$   
 $2n = 150$   
 $n = 75$

Sep 10-9:55 AM