

11-13-17 1st Trj
quickly - adverb
quick - adj.

$$\begin{array}{r} \textcircled{1} \quad 3+4=7 \\ \textcircled{2} \quad 1+2=3 \\ \hline 4+6=10 \checkmark \end{array}$$

$$\textcircled{1} \quad \begin{cases} 3x - y = 5 \\ x + y = 3 \end{cases}$$

$$4x = 8$$

$x = 2$

$$x + y = 3$$
$$2 + y = 3$$

$y = 1$

$$\textcircled{2} \quad \begin{cases} 5x + 2y = 16 \\ 3x - 2y = 0 \end{cases}$$

$$8x = 16$$

$x = 2$

$$5(2) + 2y = 16$$
$$10 + 2y = 16$$

$y = 3$

$$\textcircled{3} \quad \begin{cases} 3x - y = 8 \xrightarrow{\cdot 2} 6x - 2y = 16 \\ 5x + 2y = 17 \Rightarrow 5x + 2y = 17 \end{cases}$$

$$11x = 33$$

$x = 3$

$$5 \cdot 3 + 2y = 17$$

$y = 1$

$$\begin{aligned}
 \textcircled{4} \quad \left\{ \begin{array}{l} 5x + 3y = 8 \\ 2x - y = 1 \end{array} \right. &\Rightarrow \begin{array}{l} 5x + 3y = 8 \\ \xrightarrow{\cdot 3} 6x - 3y = 3 \end{array} \\
 &\hline
 &11x = 11 \\
 &x = 1 \\
 &5(1) + 3y = 8 \\
 &y = 1
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{5} \quad \left\{ \begin{array}{l} 3x + 2y = 3 \\ 7x - 3y = 7 \end{array} \right. &\Rightarrow \begin{array}{l} \xrightarrow{\cdot 3} 9x + 6y = 9 \\ \xrightarrow{\cdot 2} 14x - 6y = 14 \end{array} \\
 &\hline
 &23x = 23 \\
 &x = 1 \\
 &3(1) + 2y = 3 \\
 &3 + 2y = 3 \\
 &2y = 0 \\
 &y = 0
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{6} \quad \left\{ \begin{array}{l} 5x + y = 12 \\ 2x + 3y = 10 \end{array} \right. &\Rightarrow \begin{array}{l} \xrightarrow{\cdot 3} -15x - 3y = -36 \\ 2x + 3y = 10 \end{array} \\
 &\hline
 &-13x = -26 \\
 &x = 2 \\
 &5 \cdot 2 + y = 12 \\
 &y = 2
 \end{aligned}$$

⑦ 3 eggs and 2 pieces of
bacon cost \$4.70.

5 eggs and 3 pieces of
bacon cost \$7.60.

How much is a single egg
and single piece of bacon?

$$\begin{cases} 3e + 2b = 4.70 & \times 3 \\ 5e + 3b = 7.60 & \times 2 \end{cases} \Rightarrow \begin{cases} -9e - 6b = -14.10 \\ 10e + 6b = 15.20 \end{cases}$$

$$e = 1.10$$

$$3(1.10) + 2b = 4.70$$

$$3.30 + 2b = 4.70$$

$$2b = 1.40$$

$$b = .70$$

11-13-17 3rd Trig

quickly - adverb

quick - adj.

$$\begin{array}{r} 2+3=5 \checkmark \\ + 1+2=3 \checkmark \\ \hline 3+5=8 \checkmark \end{array}$$

$$\textcircled{1} \begin{cases} 3x - y = 14 \\ 2x + y = 11 \end{cases}$$

$$5x = 25$$

$x = 5$ $2 \cdot 5 + y = 11$
 $y = 1$

$$\textcircled{2} \begin{cases} x + y = 10 \\ 3x - y = -2 \end{cases}$$

$$4x = 8$$

$x = 2$ $2 + y = 10$
 $y = 8$

$$\textcircled{3} \begin{cases} 2x + 3y = 6 \Rightarrow 2x + 3y = 6 \\ 5x - y = 15 \xrightarrow{M_3} 15x - 3y = 45 \end{cases}$$

$$\underline{17x = 51}$$

$$x = 3$$

$$2 \cdot 3 + 3y = 6$$

$$3y = 0$$

$$y = 0$$

$$\textcircled{4} \begin{cases} 4x - y = 7 \xrightarrow{M_5} 20x - 5y = 35 \\ 2x + 5y = 9 \Rightarrow 2x + 5y = 9 \end{cases}$$

$$\underline{22x = 44}$$

$$x = 2$$

$$2 \cdot 2 + 5y = 9$$

$$5y = 5$$

$$y = 1$$

$$\textcircled{5} \begin{cases} 2x + 9y = 11 \xrightarrow{M_3} -6x - 27y = -33 \\ 3x + 7y = 10 \xrightarrow{M_2} 6x + 14y = 20 \end{cases}$$

$$\underline{-13y = -13}$$

$$y = 1$$

$$2x + 9 \cdot 1 = 11$$

$$2x = 2$$

$$x = 1$$

$$\textcircled{6} \begin{cases} 4x - 5y = 3 \xrightarrow{M_2} 8x - 10y = 6 \\ 7x + 2y = 16 \xrightarrow{M_5} 35x + 10y = 80 \end{cases}$$

$$43x = 86$$

$$x = 2$$

$$7 \cdot 2 + 2y = 16$$

$$14 + 2y = 16$$

$$2y = 2$$

$$y = 1$$

$\textcircled{7}$ 3 eggs plus 3 pieces of
bacon is \$7.50.

2 eggs and one piece of
bacon is \$4.

How much is each by itself?

$$\begin{cases} 3e + 3b = 7.50 \\ 2e + b = 4 \xrightarrow{M-3} \end{cases}$$

$$3e + 3b = 7.50$$

$$-6e - 3b = -12$$

$$-3e = -4.50$$

$$e = \$1.50$$

$$b = \$1$$

11-13-17 4th Tr. y

quick - adj.

quickly - adverb

$$1 + 3 = 4$$

$$2 + 5 = 7$$

$$3 + 8 = 11$$

$$\textcircled{1} \begin{cases} 3x - y = 11 \\ x + y = 9 \end{cases}$$

$$4x = 20$$

$$x = 5$$

$$5 + y = 9$$
$$y = 4$$

$$\textcircled{2} \begin{cases} 6x + y = 8 \xrightarrow{M \cdot 2} -12x - 2y = -16 \\ 2x + 2y = 6 \Rightarrow 2x + 2y = 6 \end{cases}$$

$$-10x = -10$$

$$x = 1$$

$$6 \cdot 1 + y = 8$$

$$6 + y = 8$$

$$y = 2$$

$$\textcircled{3} \begin{cases} 4x - 2y = 6 \xrightarrow{M_3} 12x - 6y = 18 \\ 6x + 3y = 15 \xrightarrow{M_2} 12x + 6y = 30 \end{cases}$$

$$24x = 48$$

$$x = 2$$

$$6 \cdot 2 + 3y = 15$$

$$3y = 3$$

$$y = 1$$

$$\textcircled{4} \begin{cases} 2x + 11y = 6 \xrightarrow{M_{-3}} -6x - 33y = -18 \\ 3x + 7y = 9 \xrightarrow{M_2} 6x + 14y = 18 \end{cases}$$

$$-19y = 0$$

$$y = 0$$

$$3 \cdot x + 7 \cdot 0 = 9$$

$$3x = 9$$

$$x = 3$$

$$\textcircled{5} \begin{cases} 4x - y = 9 \xrightarrow{M_2} 8x - 2y = 18 \\ 5x + 2y = 21 \Rightarrow 5x + 2x = 21 \end{cases}$$

$$13x = 39$$

$$x = 3$$

$$5 \cdot 3 + 2y = 21$$

$$2y = 6$$

$$y = 3$$

⑥ 3 eggs and 2 pieces of
bacon costs \$6.50. 2 eggs
and 1 piece of bacon costs
\$4. What are you paying for
each?

$$\begin{cases} 3e + 2b = 6.50 \Rightarrow 3e + 2b = 6.50 \\ 2e + b = 4 \xrightarrow{\times 2} -4e - 2b = -8 \end{cases}$$

$$-e = -1.50$$

$$2(1.50) + b = 4$$

$$3 + b = 4$$

$$b = 1$$

$$e = 1.50$$