










# Freebie!

## Systems of Equations Real World Application

Score ( / ) Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Period: \_\_\_\_\_




**Systems of Equations Real World Application Activity**

Directions: Create and solve systems of equations to determine the cost of each item. Use this information to determine the cost of more quantities.

			\$6.00	_____
			\$5.00	_____
			\$5.50	_____
			\$5.50	_____
			\$6.25	_____
			\$4.75	_____







How much does it cost for one burger, one side of fries, and one drink?

Take 2 Equations and Solve Below:

 Cost: \$ \_\_\_\_\_  
 Cost: \$ \_\_\_\_\_  
 Cost: \$ \_\_\_\_\_

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Use your answers from #1 to fill out the table below:

		Cost	\$ _____
		Cost	\$ _____
		Cost	\$ _____
		Cost	\$ _____
		Cost	\$ _____
		Cost	\$ _____

Show your work below:

**Created By: Math in Demand**



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## Thank you!!!

Score (\_\_\_/\_\_\_)

Name: \_\_\_\_\_


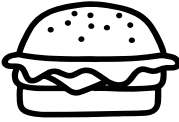


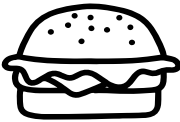



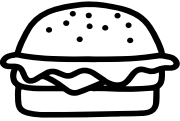
# Systems of Equations Real World

## Application Activity







Date: \_\_\_\_\_

Period: \_\_\_\_\_

Directions: Create and solve systems of equations to determine the cost of each item. Use this information to determine the cost of more quantities.

			\$6.00	<input type="text"/>
			\$5.00	<input type="text"/>
			\$5.50	<input type="text"/>


  

		\$4.75	<input type="text"/>
		\$6.25	<input type="text"/>
		\$5.50	<input type="text"/>

How much does it cost for one burger, one side of fries, and one drink?

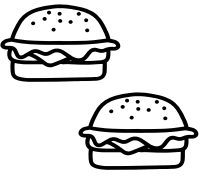
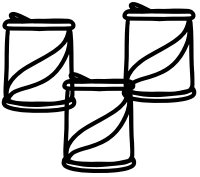
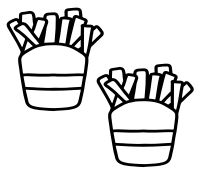
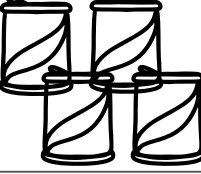
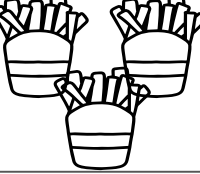
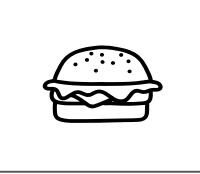
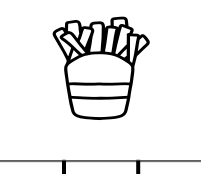
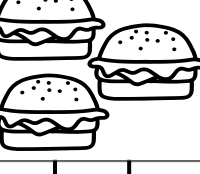
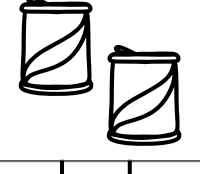
Take 2 Equations and Solve Below:

 Cost: \$ \_\_\_\_\_

 Cost: \$ \_\_\_\_\_

 Cost: \$ \_\_\_\_\_

Use your answers from #1 to fill out the table below:

			Cost → \$ _____
			Cost → \$ _____
			Cost → \$ _____

Cost → \$ _____
Cost → \$ _____
Cost → \$ _____

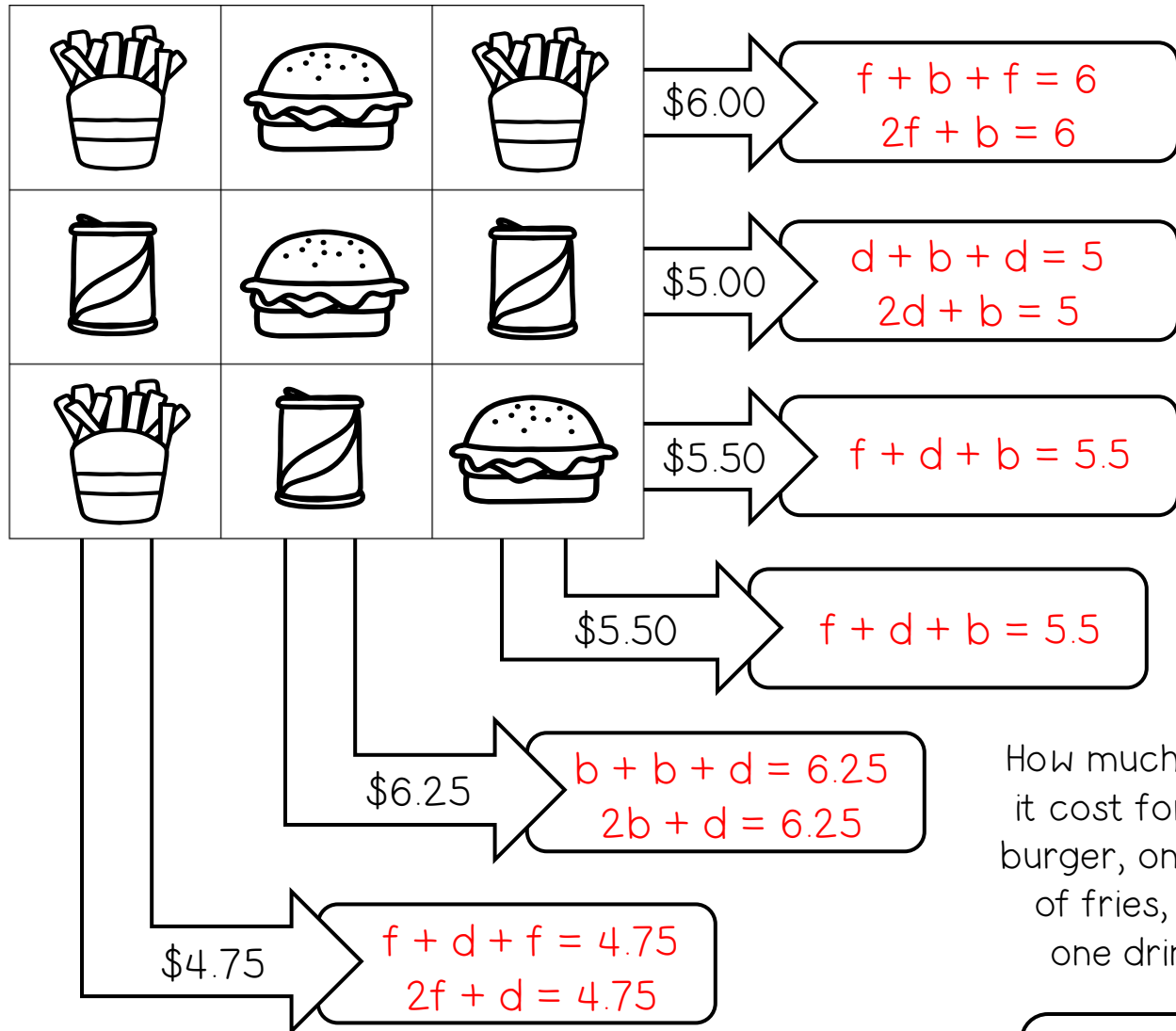
Show your work below:

Score (\_\_\_/\_\_\_)

ANSWER KEY

# Systems of Equations Real World Application Activity

Directions: Create and solve systems of equations to determine the cost of each item. Use this information to determine the cost of more quantities.



How much does it cost for one burger, one side of fries, and one drink?

Take 2 Equations and Solve Below:

$$\begin{array}{r}
 -2 \cdot (2d + b) = (5) \cdot -2 \\
 d + 2b = 6.25 \\
 \underline{-4d - 2b = -10} \\
 -3d = -3.75 \\
 \underline{-3 \quad -3} \\
 d = 1.25
 \end{array}$$

$$\begin{array}{r}
 d + 2b = 6.25 \\
 1.25 + 2b = 6.25 \\
 \underline{-1.25 \quad -1.25} \\
 2b = 5 \\
 \underline{2 \quad 2} \\
 b = 2.5
 \end{array}$$

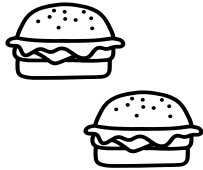
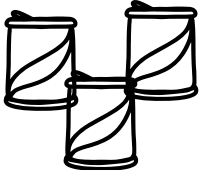
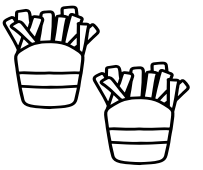

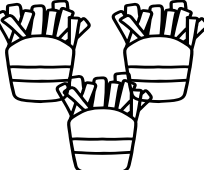
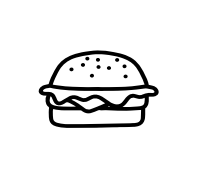
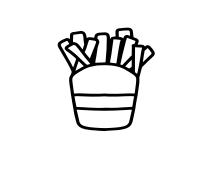
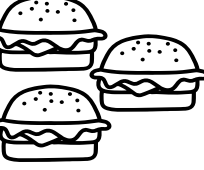

$$\begin{array}{r}
 f + d + b = 5.5 \\
 f + 1.25 + 2.5 = 5.5 \\
 f + 3.75 = 5.5 \\
 \underline{-3.75 \quad -3.75} \\
 f = 1.75
 \end{array}$$

 Cost: \$ 1.75










 Cost: \$ 2.50

 Cost: \$ 1.25

Use your answers from #1 to fill out the table below:

			Cost →	\$ <u>12.25</u>
			Cost →	\$ <u>12.75</u>
			Cost →	\$ <u>11.75</u>

			Cost →	\$ <u>8.50</u>
			Cost →	\$ <u>16.50</u>
			Cost →	\$ <u>11.75</u>

Show your work below:

$$\begin{aligned}
 &2(\$2.50) + 3(\$1.25) + 2(\$1.75) \\
 &\$5.00 + \$3.75 + \$3.50 \\
 &\$12.25
 \end{aligned}$$

$$\begin{aligned}
 &2(\$1.75) + \$2.50 + 2(\$1.25) \\
 &\$3.50 + \$2.50 + \$2.50 \\
 &\$8.50
 \end{aligned}$$

$$\begin{aligned}
 &4(\$1.25) + 3(\$1.75) + 2.50 \\
 &\$5.00 + \$5.25 + \$2.50 \\
 &\$12.75
 \end{aligned}$$

$$\begin{aligned}
 &3(\$1.25) + 3(\$1.75) + 3(\$2.50) \\
 &\$3.75 + \$5.25 + \$7.50 \\
 &\$16.50
 \end{aligned}$$

$$\begin{aligned}
 &\$1.75 + 3(\$2.50) + 2(\$1.25) \\
 &\$1.75 + \$7.50 + \$2.50 \\
 &\$11.75
 \end{aligned}$$

$$\begin{aligned}
 &2(\$2.50) + 4(\$1.25) + \$1.75 \\
 &\$5.00 + \$5.00 + \$1.75 \\
 &\$11.75
 \end{aligned}$$

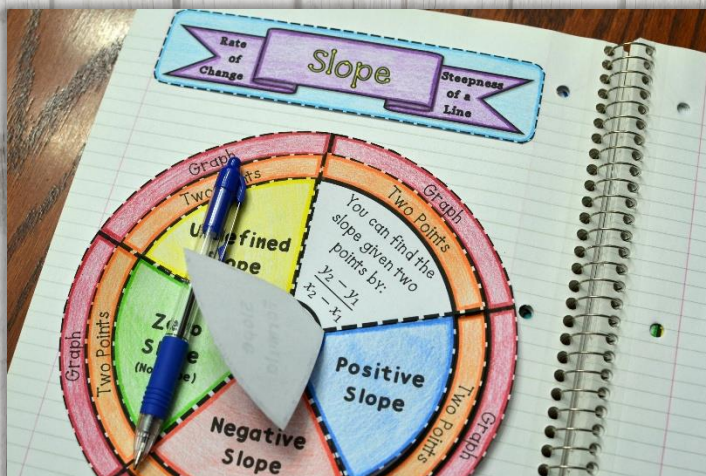
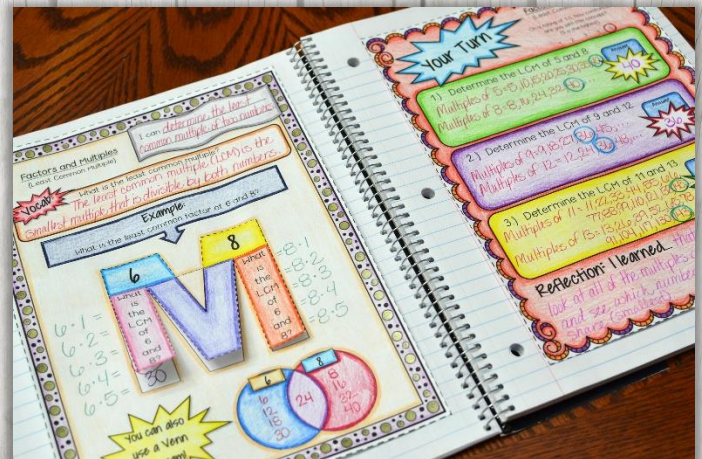
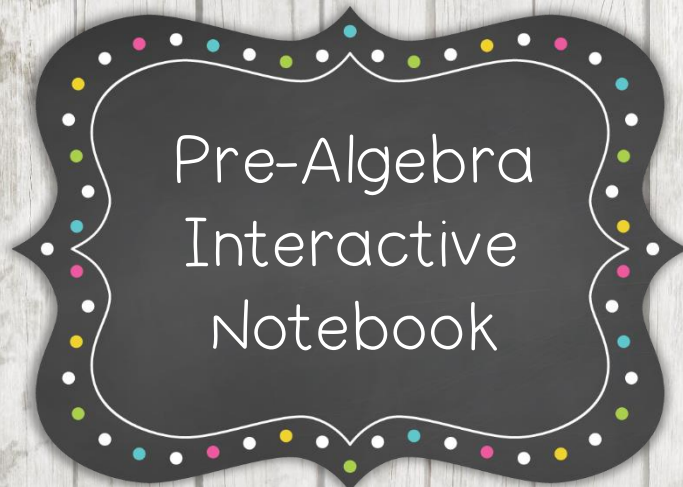
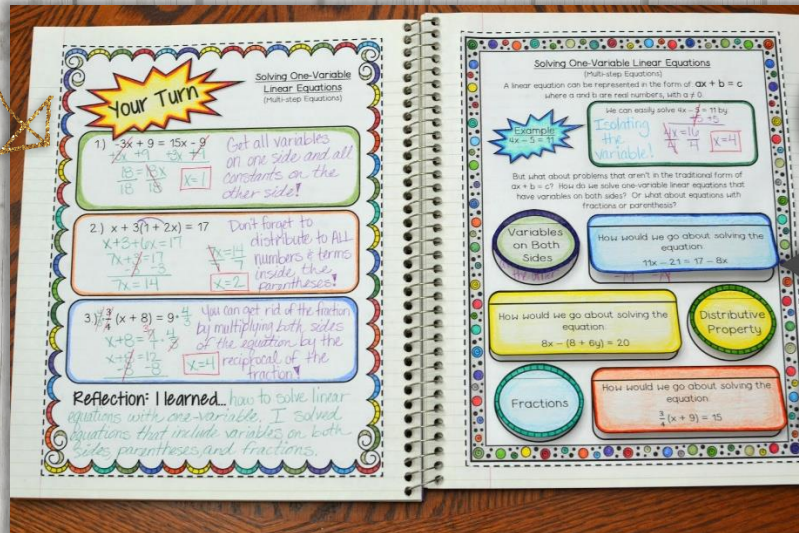


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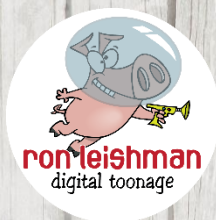
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