

# Matching Equations

| Verbal Description   | Equation/Relationship   | Table  | Graph  |
|--|---|--|--|
| Cookies cost \$0.50 each at the bake sale. <ul style="list-style-type: none"> <li>x represents the number of cookies purchased</li> <li>y represents the total cost of the cookies purchased</li> </ul>          | Drag and drop the <b>equation</b> that matches this scenario.     | Drag and drop the <b>table</b> that matches this scenario. | Drag and drop the <b>graph</b> that matches this scenario. |
|  | Drag and drop the <b>relationship</b> that matches this scenario. |  |  |
| Flowers by Lori charges \$1.50 to deliver every order. <ul style="list-style-type: none"> <li>x represents the cost of flowers</li> <li>y represents the total cost of the flowers including delivery</li> </ul> | Drag and drop the <b>equation</b> that matches this scenario.     | Drag and drop the <b>table</b> that matches this scenario. | Drag and drop the <b>graph</b> that matches this scenario. |
|  | Drag and drop the <b>relationship</b> that matches this scenario. |  |  |
| In every pint there are two cups. <ul style="list-style-type: none"> <li>x represents the number of pints</li> <li>y represents the number of cups</li> </ul>  | Drag and drop the <b>equation</b> that matches this scenario.     | Drag and drop the <b>table</b> that matches this scenario. | Drag and drop the <b>graph</b> that matches this scenario. |
|  | Drag and drop the <b>relationship</b> that matches this scenario. |  |  |

**Directions:** Click on each of the items below and then drag them to their correct spots in the table above.

$$y = 2x$$

$$y = 0.50x$$

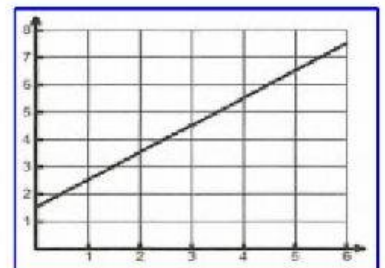
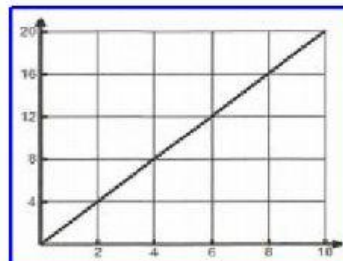
$$y = x + 1.50$$

additive

multiplicative

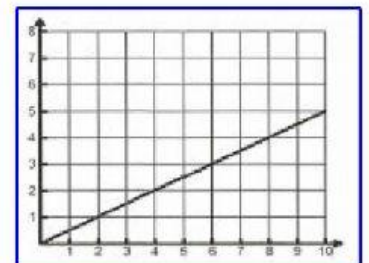
multiplicative

| x   | y  |
|-----|----|
| 1   | 2  |
| 1.5 | 3  |
| 2   | 4  |
| 4   | 8  |
| 10  | 20 |



| x  | y   |
|----|-----|
| 1  | 0.5 |
| 3  | 1.5 |
| 4  | 2   |
| 7  | 3.5 |
| 10 | 5   |




| x   | y   |
|-----|-----|
| 1   | 2.5 |
| 1.5 | 3   |
| 2   | 3.5 |
| 2.5 | 4   |
| 3   | 4.5 |



# Matching Equations (pg 2)

| Verbal Description   | Equation/Relationship   | Table  | Graph  |
|--|---|--|--|
| <p>The bookstore charges \$0.50 to gift wrap any purchase.</p> <ul style="list-style-type: none"> <li>x represents the original cost of the item</li> <li>y represents the new cost including the gift wrap</li> </ul> | Drag and drop the <b>equation</b> that matches this scenario.     | Drag and drop the <b>table</b> that matches this scenario. | Drag and drop the <b>graph</b> that matches this scenario. |
|  | Drag and drop the <b>relationship</b> that matches this scenario. |  |  |

|   |   |  |  |
|---|---|--|--|
| <p>Tickets to attend the school basketball playoffs cost \$1.50 each.</p> <ul style="list-style-type: none"> <li>x represents the number of Tickets</li> <li>y represents the Total Cost</li> </ul> | Drag and drop the <b>equation</b> that matches this scenario.     | Drag and drop the <b>table</b> that matches this scenario. | Drag and drop the <b>graph</b> that matches this scenario. |
|   | Drag and drop the <b>relationship</b> that matches this scenario. |  |  |

|  |   |  |  |
|--|---|--|--|
| <p>Figure 1 </p> <p>Figure 2 </p> <p>Figure 3 </p> <ul style="list-style-type: none"> <li>x represents the figure number</li> <li>y represents the number of pentagons</li> </ul> | Drag and drop the <b>equation</b> that matches this scenario.     | Drag and drop the <b>table</b> that matches this scenario. | Drag and drop the <b>graph</b> that matches this scenario. |
|  | Drag and drop the <b>relationship</b> that matches this scenario. |  |  |

**Directions:** Click on each of the items below and then drag them to their correct spots in the table above.

$$y = x + 0.50$$

$$y = 1.50x$$

$$y = x + 2$$

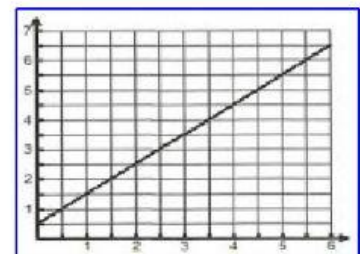
multiplicative

additive

additive

| x | y    |
|---|------|
| 0 | 0    |
| 2 | 3    |
| 4 | 6    |
| 5 | 7.50 |
| 6 | 9    |

| x | y    |
|---|------|
| 1 | 1.50 |
| 2 | 2.50 |
| 3 | 3.50 |
| 5 | 5.50 |
| 8 | 8.50 |



| x | y |
|---|---|
| 1 | 3 |
| 2 | 4 |
| 3 | 5 |
| 4 | 6 |
| 7 | 9 |

