

## Linear Functions & Proportionality

1. A particular linear function has the table of values below.

<b>Input (<math>x</math>)</b>	<b>2</b>	<b>3</b>	<b>8</b>	<b>11</b>	<b>15</b>	<b>20</b>	<b>23</b>
<b>Output (<math>y</math>)</b>	<b>7</b>	<b>10</b>		<b>34</b>		<b>61</b>	

a) What is the equation that describes the function?

b) Complete the table using the rule.

2. A particular linear function has the table of values below.

<b>Input (<math>x</math>)</b>	<b>0</b>	<b>5</b>	<b>8</b>	<b>13</b>	<b>15</b>	<b>18</b>	<b>21</b>
<b>Output (<math>y</math>)</b>	<b>6</b>	<b>11</b>	<b>14</b>		<b>21</b>		

a) What is the rule that describes the function?

b) Complete the table using the rule.

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1. A particular linear function has the table of values below.

<b>Input (<math>x</math>)</b>	2	3	8	11	15	20	23
<b>Output (<math>y</math>)</b>	7	10	25	34	46	61	70

a) What is the equation that describes the function?

$$y = 3x + 1$$

b) Complete the table using the rule.

2. A particular linear function has the table of values below.

<b>Input (<math>x</math>)</b>	0	5	8	13	15	18	21
<b>Output (<math>y</math>)</b>	6	11	14	19	21	24	27

a) What is the rule that describes the function?

$$y = x + 6$$

b) Complete the table using the rule.

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