

## Connecting Multiple Representations

**Complete the remaining representations for each problem.**

### 1. Rule:

Graph:

Table:

Rides	Money

### Create a Context:

You and your friends go to the state fair. It costs \$5 to get into the fair and \$3 each time you go on a ride.

## 2. Rule:

$$y = -2x + 18$$

Graph:

**Table:**

<i>Weeks</i>	<i>Money</i>

### Create a Context:

### 3. Rule:

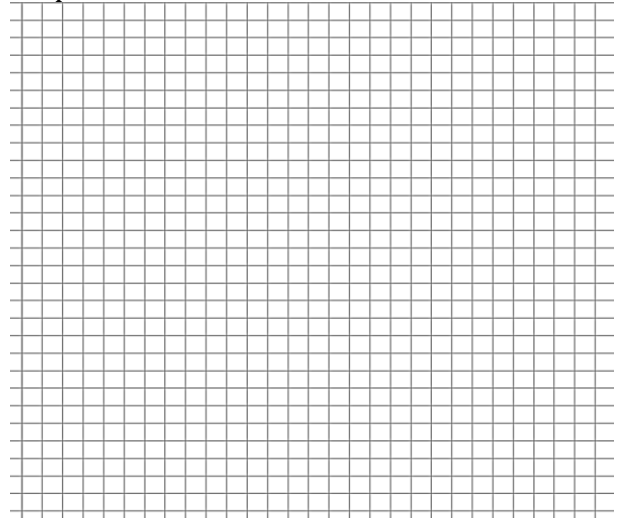
$$y = 2x + 3$$

**Table:**

<i>Time</i>	<i>Distance</i>

### Create a Context:

Graph:



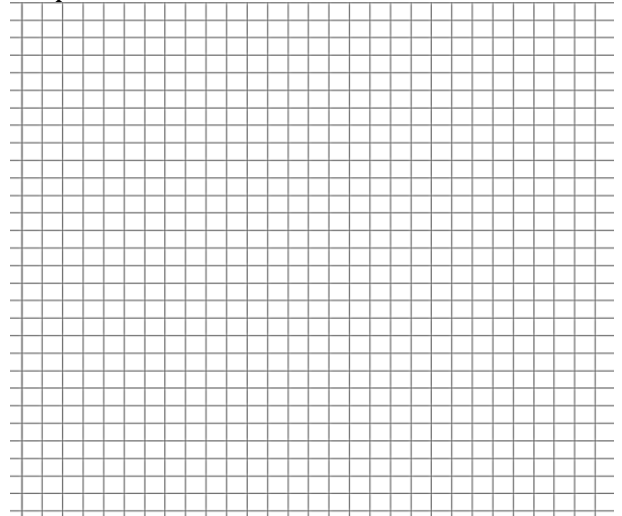
#### 4. Rule:

**Table:**

<i>Weeks</i>	<i># of Kids</i>
<i>1</i>	<i>20</i>
<i>2</i>	<i>17</i>
<i>3</i>	<i>14</i>
<i>4</i>	<i>11</i>

### Create a Context:

Graph:



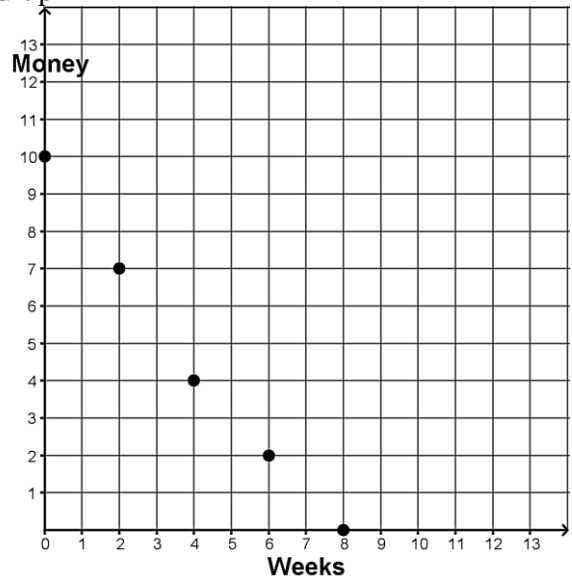
### 5. Rule:

**Table:**

<i># of Weeks</i>	<i>Money</i>

### Create a Context:

Graph:



## Connecting Multiple Representations

Complete the remaining representations for each problem.

1. Rule:

$$y = 3x + 5$$

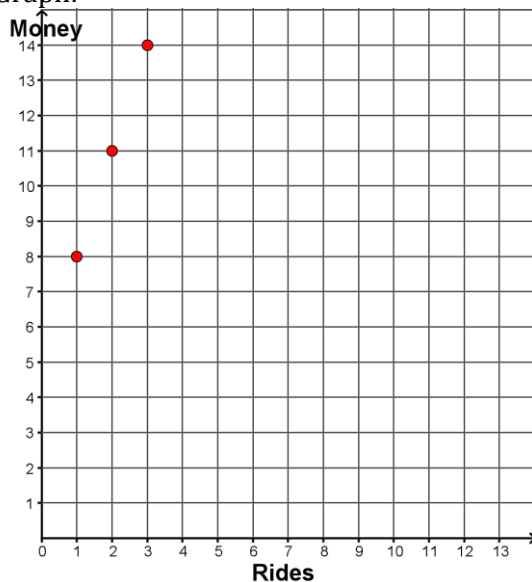
Table:

Rides	Money
1	8
2	11
3	14
4	17

Create a Context:

You and your friends go to the state fair. It costs \$5 to get into the fair and \$3 each time you go on a ride.

Graph:



2. Rule:

$$y = -2x + 18$$

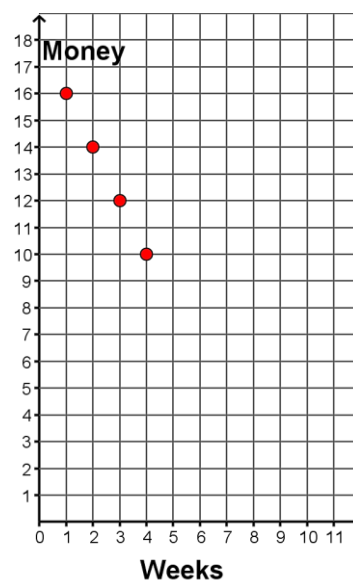
Table:

Weeks	Money
1	16
2	14
3	12
4	10

Create a Context:

Answers may vary. Sample Answer: Brody has \$18 in his piggy bank at the start of the month. Each week he pays his mom back \$2.

Graph:



3. Rule:

$$y = 2x + 3$$

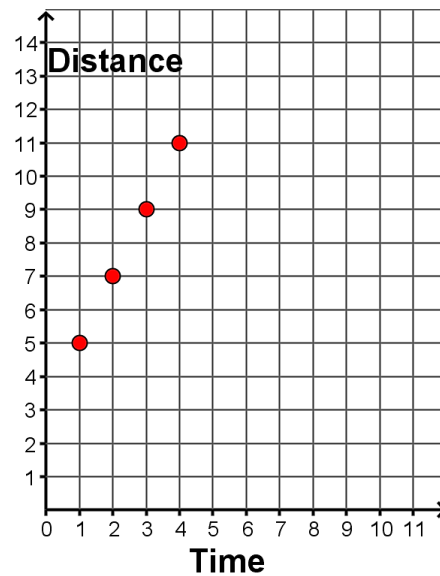
Table:

<i>Time</i>	<i>Distance</i>
<b>1</b>	<b>5</b>
<b>2</b>	<b>7</b>
<b>3</b>	<b>9</b>
<b>4</b>	<b>11</b>

Create a Context:

Answers may vary. Sample answer: Stephanie lives 3 miles from school and walks 2 miles per hour to school.

Graph:



4. Rule:

$$y = -3x + 23$$

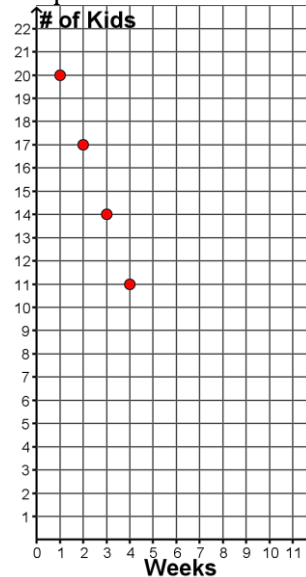
Table:

<i>Weeks</i>	<i># of Kids</i>
<b>1</b>	<b>20</b>
<b>2</b>	<b>17</b>
<b>3</b>	<b>14</b>
<b>4</b>	<b>11</b>

Create a Context:

Answers may vary. Sample answer: A summer camp starts with 23 kids and each week, 3 kids drop out of the camp.

Graph:



5. Rule:

$$y = -\frac{3}{2}x + 10$$

Table:

<i># of Weeks</i>	<i>Money</i>
<b>0</b>	<b>10</b>
<b>2</b>	<b>7</b>
<b>4</b>	<b>4</b>
<b>6</b>	<b>2</b>
<b>8</b>	<b>0</b>

Create a Context:

Answers may vary. Sample answer: Michelle has \$10 in her piggy bank. Every two weeks, she has to give her dad \$3.

Graph:

