Anchor Set
A1 – A10

With Annotations
Prompt

The table shows the cost of renting a boat for different amounts of time.

<table>
<thead>
<tr>
<th>Time (days)</th>
<th>Rental Cost (dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>120</td>
</tr>
<tr>
<td>5</td>
<td>180</td>
</tr>
<tr>
<td>8</td>
<td>300</td>
</tr>
</tbody>
</table>

Part A

Determine the missing values in the table, and plot the five data points on the coordinate plane.

Select a location on the graph to plot each point.

Boat Rental Costs

Part B

Write an equation to represent the total cost of renting a boat, $y$, for $x$ days.

Enter your equation in the box. Enter only your equation.
Part C

The boat rental company gave a rowing team a discount of $10 off for every 4 days of rental. The team rented a boat for 12 days. Their coach paid 35% of the total discounted rental cost. The remaining rental cost was divided equally among the 15 team members.

- Determine the total cost for the team to rent a boat.
- Determine the cost per team member.

Enter your answers and your work or explanation in the space provided.
<table>
<thead>
<tr>
<th>Score</th>
<th>Description</th>
</tr>
</thead>
</table>
| **1** | Student response includes the following element.  

**This part of the response is machine scored.**  

- **Modeling component** = 1 point  
  - Correct plots of (0,0), (2,120), (3,180), (5,300) and (8, 480) |
| **0** | Student response is incorrect or irrelevant. |

<table>
<thead>
<tr>
<th>Score</th>
<th>Description</th>
</tr>
</thead>
</table>
| **1** | Student response includes the following 1 element.  

**This part of the response is machine scored.**  

- **Modeling component** = 1 point  
  - Correct equation of \( y=60x \) or equivalent equation. |
| **0** | Student response is incorrect or irrelevant. |

<table>
<thead>
<tr>
<th>Score</th>
<th>Description</th>
</tr>
</thead>
</table>
| **4** | Student response includes the following 4 elements.  

- **Modeling components** = 2 points  
  - Correct work or explanation to determine the discounted rental cost.  
  - Correct work or explanation of the amount paid by each member.  

- **Computation components** = 2 points  
  - Correct discounted cost of renting a boat, $690  
  - Correct amount paid by each member, $29.90 |

Sample Student Response:  

Total cost for 12 days rental:  

\[ y = 60x \]
There are 3 groups of 4 days in 12 days, so the discount is $30.

The total discounted cost is $720 - $30 = $690.

The amount the coach pays of the discounted cost is $690 \times 0.35 = $241.50.

The 15 team members are responsible for $690 - $241.50 = $448.50.

The members each pay $448.50 ÷ 15 = $29.90.

Or other valid response.

<table>
<thead>
<tr>
<th>3</th>
<th>Student response includes 3 of the 4 elements.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Student response includes 2 of the 4 elements.</td>
</tr>
<tr>
<td>1</td>
<td>Student response includes 1 of the 4 elements.</td>
</tr>
<tr>
<td>0</td>
<td>Student response is incorrect or irrelevant.</td>
</tr>
</tbody>
</table>
Part C: Score Point 4

A1

The table shows the cost of renting a boat for different amounts of time.

<table>
<thead>
<tr>
<th>Time (days)</th>
<th>Rental Cost (dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>30</td>
</tr>
<tr>
<td>2</td>
<td>40</td>
</tr>
<tr>
<td>5</td>
<td>300</td>
</tr>
</tbody>
</table>

Part A

Determine the missing values in the table and plot the five data points on the coordinate grid.

Select a location on the graph to plot each point.

Boat Rental Costs

Part B

Write an equation to represent the total cost of renting a boat, \( y \), for \( x \) days.

Enter your answer in the box.

\[ y = x \times 60 \]

Part C

The boat rental company gave a rowing team a discount of $10 off for every 4 days of rental. The team rented a boat for 12 days. Their coach paid 35\% of the total discounted rental cost. The remaining rental cost was divided equally among the 15 team members.

- Determine the total cost for the team to rent a boat. Show your work or explain your answer.
- Determine the cost per team member. Show your work or explain your answer.

The total cost to rent the boat was $690. I took 12 (\textit{days}) and multiplied it by 60. Then I subtracted $30 because of the discount. The answer was $660. The coach paid 35\% so I took $660 and multiplied it by .35 and got $241.50. The team had to pay $448.50. I got that because I took $690 minus $241.50. Since there are 15 team members, you have to divide $448.50 by 15. Each member had to pay $29.90.
Anchor Paper 1
Part C: Score Point 4

This response receives full credit. The response includes each of the four required elements.

- The response provides the correct discounted cost of renting a boat, $690 (The answer was $690).

- The correct work is shown to determine the discounted rental cost (I took 12 days and multiplied it by 60. Then I subtracted $30 because of the discount. The answer was $690).

- The response provides the correct amount paid by each team member, $29.90 (Each member had to pay $29.90).

- The correct work is shown to determine the amount paid by each member (I took $690 and multiplied it by .35 and got $241.50. The team had to pay $448.50. I got that because I took $690 minus $241.50...you have to divide $448.50 by 15).
The table shows the cost of renting a boat for different amounts of time.

<table>
<thead>
<tr>
<th>Time (days)</th>
<th>Rental Cost (dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>120</td>
</tr>
<tr>
<td>3</td>
<td>180</td>
</tr>
<tr>
<td>5</td>
<td>300</td>
</tr>
</tbody>
</table>

**Part A**
Determine the missing values in the table and plot the five data points on the coordinate grid.

Select a location on the graph to plot each point.

**Part B**
Write an equation to represent the total cost of renting a boat, \( y \), for \( x \) days.

Enter your answer in the box.

\[
y = x \times 60
\]

**Part C**
The boat rental company gave a rowing team a discount of $10 off for every 4 days of rental. The team rented a boat for 12 days. Their coach paid 35% of the total discounted rental cost. The remaining rental cost was divided equally among the 15 team members.

- Determine the total cost for the team to rent a boat. Show your work or explain your answer.
- Determine the cost per team member. Show your work or explain your answer.

\[
60 \times 12 = 720
\]
\[
720 - 30 = 690
\]
The total cost was $690 with the discount.

35% of $690 is $241.50
The leftover cost is $448.50.

\[
448.50 \div 15 = 29.9
\]
Each team member paid $29.90
This response receives full credit. The response includes each of the four required elements.

- The response provides the correct discounted cost of renting a boat, $690 (The total cost was $690).

- The correct work is shown to determine the discounted rental cost ($690 - $30 = $660).

- The response provides the correct amount paid by each team member, $29.90 (Each team member paid $29.90).

- A correct explanation is given to determine the amount paid by each member (35% of $690 is $241.50, The leftover cost is $448.50, $448.50 ÷ 15 = 29.9). Note that the student does not have to show actual subtraction of $241.50 from $690 to earn credit when they clearly and correctly explain that the percentage is deducted. Another example of a correct student statement is “35% off $690 is $241.50”. Addressing the 35% correctly and showing subtotals is sufficient for showing a complete process.
The table shows the cost of renting a boat for different amounts of time.

<table>
<thead>
<tr>
<th>Time (days)</th>
<th>Rental Cost (dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>€</td>
</tr>
<tr>
<td>3</td>
<td>$120</td>
</tr>
<tr>
<td>5</td>
<td>$180</td>
</tr>
<tr>
<td>8</td>
<td>$240</td>
</tr>
</tbody>
</table>

Part A

determine the missing values in the table and plot the five data points on the coordinate grid.

Select a location on the graph to plot each point.

Part B

Write an equation to represent the total cost of renting a boat $y$, for $x$ days.

Enter your answer in the box.

$y = 60x$

Part C

The boat rental company gave a rowing team a discount of $30 off for every 4 days of rental. The team rented a boat for 12 days. Their coach paid 35% of the total discounted rental cost. The remaining rental cost was divided equally among the 15 team members.

- Determine the total cost for the team to rent a boat. Show your work or explain your answer.
- Determine the cost per team member. Show your work or explain your answer.

Part 1:

$12 \times 60 = 720$

$720 - 30 = 690$

The total cost: $690.

Part 2:

$720 \times 0.35 = 252$

$720 - 252 = 468$

$468 \div 15 = 31.2$

Cost per team member: $31.20
Anchor Paper 3  
Part C: Score Point 3

This response receives partial credit. The response earns three of the four required elements.

- The response provides the correct discounted cost of renting a boat, $690 (The total cost: $690).

- The correct work is shown to determine the discounted rental cost (12 x 6 = 720, 720 – 30 = 690).

- The correct work is shown to determine the amount paid by each member (720 x 0.35 = 252, 720 – 252 = 468, 468 ÷ 15 = 31.2). Although the student uses an incorrect total, 720 instead of 690, the process used for determining the amount paid is complete and correct; multiplies by 0.35, subtracts that total from the original amount and divides by 15.

The response provides an incorrect amount to be paid by each member of the team (Cost per team member: $31.20).
The table shows the cost of renting a boat for different amounts of time.

<table>
<thead>
<tr>
<th>Time (days)</th>
<th>Rental Cost (dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>180</td>
</tr>
<tr>
<td>5</td>
<td>390</td>
</tr>
<tr>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

Part A
Determine the missing values in the table and plot the five data points on the coordinate grid.
Select a location on the graph to plot each point.

Part B
Write an equation to represent the total cost of renting a boat, $y$, for $x$ days.
Enter your answer in the box.

$$60y = x$$

Part C
The boat rental company gave a rowing team a discount of $10 off for every 4 days of rental. The team rented a boat for 12 days. Their coach paid 55% of the total discounted rental cost. The remaining rental cost was divided equally among the 15 team members:
- Determine the total cost for the team to rent a boat. Show your work or explain your answer.
- Determine the cost per team member. Show your work or explain your answer.

With the discount it will cost in total $350. The coach paid $241.50. The teammates altogether paid $448.50. Each teammate paid $29.90. I know this by taking the cost of the boat after the discount and the coach paying for 35% and then I divided that by 15 to get each teammate pays $29.90.
This response receives partial credit. The response earns three of the four required elements.

- The response provides the correct discounted cost of renting a boat, $690 (With the discount it will cost in total $690).
- The response provides the correct amount paid by each team member, $29.90 (each teammate pays $29.90).
- A correct explanation is given to determine the amount paid by each member (The coach paid for $241.50. The teammates altogether paid $448.50. Each teammate paid $29.90. I know this by taking the cost of the boat after the discount and the coach paying for 35% and then i divided that by 15). Note when the subtotals of $241.50 and $448.50 are given a correct general explanation of the process is sufficient for credit.

The response does not show work to determine the discounted rental cost of the boat.
Part C: Score Point 2

The table shows the cost of renting a boat for different amounts of time.

<table>
<thead>
<tr>
<th>Time (days)</th>
<th>Rental Cost (dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>5</td>
<td>120</td>
</tr>
<tr>
<td>10</td>
<td>310</td>
</tr>
</tbody>
</table>

Part A

Determine the missing values in the table and plot the five data points on the coordinate grid.

Select a location on the graph to plot each point.

Part B

Write an equation to represent the total cost of renting a boat, \( y \), for \( x \) days.

Enter your answer in the box.

\[ y = \text{{number of days renting boat}} \times 60 + \text{{cost per day running the boat}} \]

Part C

The boat rental company gave a rowing team a discount of $10 off for every 4 days of rental. The team rented a boat for 12 days. Their coach paid 35% of the total discounted rental cost. The remaining rental cost was divided equally among the 15 team members.

- Determine the total cost for the team to rent a boat. Show your work or explain your answer.
- Determine the cost per team member. Show your work or explain your answer.

$690$ for the rental and if the coach pays $241.50 then the team members only have to pay $29.90.
Anchor Paper 5
Part C: Score Point 2

This response receives partial credit. The response earns two of the four required elements.

- The response provides the correct discounted cost of renting a boat, $690 (690$ for the rental).
- The response provides the correct amount paid by each team member, $29.90 (the team members only have to pay $29.90).

The response does not show work to determine the discounted rental cost.

The response shows insufficient work to determine the amount paid by each member (the coach pays $241.50). To earn credit for this element the response should show or explain that 35% was used by showing the subtotals; $241.50 is subtracted from $690.00 to get $448.50 and then divide $448.50 by 15.
Part C: Score Point 2

The table shows the cost of renting a boat for different amounts of time.

<table>
<thead>
<tr>
<th>Time (days)</th>
<th>Rental Cost (dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>90</td>
</tr>
<tr>
<td>3</td>
<td>120</td>
</tr>
<tr>
<td>5</td>
<td>300</td>
</tr>
<tr>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

**Part A**

Determine the missing values in the table and plot the five data points on the coordinate grid.

Select a location on the graph to plot each point.

**Part B**

Write an equation to represent the total cost of renting a boat $y$ for $x$ days.

Enter your answer in the box.

$$y = x$$

**Part C**

The boat rental company gave a rowing team a discount of $10 off for every 4 days of rental. The team rented a boat for 12 days. Their coach paid 30% of the total discounted rental cost. The remaining rental cost was divided equally among the 16 team members.

- Determine the total cost for the team to rent a boat. Show your work or explain your answer.
- Determine the cost per team member. Show your work or explain your answer.

$$12 \times 60 = 720$$

$$12 \div 4 = 3$$ so they saved $30 off so now they pay $690 and then they each pay $46.
This response receives partial credit. The response earns two of the four required elements.

- The response provides the correct discounted cost of renting a boat, $690 (they pay $690).
- The correct work is shown to determine the discounted rental cost (12 x 60 = 720, 12 ÷ 4 = 3 so they saved $30 off so they now pay $690).

The response provides an incorrect amount paid by each team member (they each pay $46).

The response does not show work to determine the amount paid by each team member.
Part C: Score Point 1

The table shows the cost of renting a boat for different amounts of time.

<table>
<thead>
<tr>
<th>Time (days)</th>
<th>Rental Cost (dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>120</td>
</tr>
<tr>
<td>5</td>
<td>300</td>
</tr>
<tr>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

Part A

Determine the missing values in the table and plot the five data points on the coordinate grid.

Select a location on the graph to plot each point.

**Boat Rental Costs**

Part B

Write an equation to represent the total cost of renting a boat, \( y \), for \( x \) days.

Enter your answer in the box.

\[
\frac{y}{0.05x} = \text{?}
\]

Part C

The boat rental company gave a rowing team a discount of $10 off for every 4 days of rental. The team rented a boat for 12 days. Their coach paid 35% of the total discounted rental cost. The remaining rental cost was divided equally among the 15 team members.

- Determine the total cost for the team to rent a boat. Show your work or explain your answer.
- Determine the cost per team member. Show your work or explain your answer.

This would cost $90 for the 12 days. Each team member would have to pay $16.10 for the boat.
Part C: Score Point 1

This response receives partial credit. The response earns one of the four required elements.

- The response provides the correct discounted cost of renting a boat, $690 (This would cost 690).

The response does not show work to determine the discounted rental cost of the boat.

The response provides an incorrect amount paid by each team member (Each team member would have to pay 16.10).

The response does not show work to determine the amount paid by each member.
The table shows the cost of renting a boat for different amounts of time.

<table>
<thead>
<tr>
<th>Time (days)</th>
<th>Rental Cost (dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>200</td>
</tr>
<tr>
<td>3</td>
<td>100</td>
</tr>
<tr>
<td>5</td>
<td>300</td>
</tr>
<tr>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

Part A

Determine the missing values in the table and plot the five data points on the coordinate grid.

Select a location on the graph to plot each point.

Part B

Write an equation to represent the total cost of renting a boat, y, for x days.

Enter your answer in the box.

\[ y = x \cdot 60 \]

Part C

The boat rental company gave a rowing team a discount of $10 off for every 4 days of rental. The team rented a boat for 12 days. Their coach paid 95% of the total discounted rental cost. The remaining rental cost was divided equally among the 10 team members.

- Determine the total cost for the team to rent a boat. Show your work or explain your answer.
- Determine the cost per team member. Show your work or explain your answer.

\[
\begin{align*}
680 &= 720 - 40 \\
\frac{35}{100} &= \frac{x}{680} \\
2500 &= 100x \\
238 &= x \\
680 - 238 &= 442 \\
442 \div 15 &= 29.5 \\
\end{align*}
\]
Annotation

Anchor Paper 8
Part C: Score Point 1

This response receives partial credit. The response earns one of the four required elements.

- The correct work is shown to determine the amount paid by each member ($\frac{35}{100} = \frac{x}{680}$, $23800 = 100x$, $238 = x$, $680 - 238 = 442$, $442 ÷ 15 = 29.5$). Although the response uses an incorrect total, 680 instead of 690, the process used for determining the amount paid is complete and correct. Actually, 442 divided by 15 equals 29.4666 repeating or 29.47 when rounded to the nearest cent. The student incorrectly rounds up to 29.5 and thus does not earn credit for finding the appropriate answer for determining the amount paid by each member.

The response provides an incorrect discounted cost of renting a boat, (680).

The response shows incorrect work to determine the discounted rental cost ($680 = 720 - 40$).

The response provides an incorrect amount paid by each team member based on the $680 renting cost (29.5). If this amount had correctly followed from the incorrect discounted cost, then it would have earned credit. The student rounded incorrectly.

Note: If an error is correctly followed through, then credit can be earned for the second process and answer elements. Since credit is already deducted for not finding the correct discounted cost, no further credit will be deducted for the same error.
Part C: Score Point 0

The table shows the cost of renting a boat for different amounts of time.

<table>
<thead>
<tr>
<th>Time (days)</th>
<th>Rental Cost (dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>120</td>
</tr>
<tr>
<td>5</td>
<td>300</td>
</tr>
<tr>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

Part A

Determine the missing values in the table and plot the five data points on the coordinate grid.

Select a location on the graph to plot each point.

Part B

Write an equation to represent the total cost of renting a boat, $y$, for $x$ days.

Enter your answer in the box.

\[ y + x = 8512 \]

Part C

The boat rental company gave a rowing team a discount of $10 off for every 4 days of rental. The team rented a boat for 12 days. Their coach paid 35% of the total discounted rental cost. The remaining rental cost was divided equally among the 15 team members.

- Determine the total cost for the team to rent a boat. Show your work or explain your answer.
- Determine the cost per team member. Show your work or explain your answer.

\[ 10 + 75 = 85 \]
\[ 85 \div 15 = 5.6 \]
This response receives no credit. The response earns none of the four required elements.

The response provides an incorrect discounted cost of renting a boat, (85).

The response shows incorrect work to determine the discounted rental cost ($10 + 75 = 85$).

The response provides an incorrect amount paid by each team member (5.6).

The response shows incorrect work to determine the amount paid by each member ($85 \div 15 = 5.6$). Note that dividing by fifteen, without addressing the 35%, is not enough work to earn credit for the element.
Part C: Score Point 0

The table shows the cost of renting a boat for different amounts of time.

<table>
<thead>
<tr>
<th>Time (days)</th>
<th>Rental Cost (dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>120</td>
</tr>
<tr>
<td>5</td>
<td>300</td>
</tr>
<tr>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

Part A

Determine the missing values in the table and plot the five data points on the coordinate grid. Select a location on the graph to plot each point.

Part B

Write an equation to represent the total cost of renting a boat, \( y \), for \( x \) days.

Enter your answer in the box:

\[ 120 + 180 + 300 + 480 \]

Part C

The boat rental company gave a rowing team a discount of $10 off for every 4 days of rental. The team rented a boat for 12 days. Their coach paid 35% of the total discounted rental cost. The remaining rental cost was divided equally among the 15 team members.

- Determine the total cost for the team to rent a boat. Show your work or explain your answer.
- Determine the cost per team member. Show your work or explain your answer.

16.50 per person and the total cost is 165.00.
Annotation

Anchor Paper 10
Part C: Score Point 0

This response receives no credit. The response earns none of the four required elements.

The response provides an incorrect discounted cost of renting a boat (the total cost is 165.00).

The response does not show work to determine the discounted rental cost of the boat.

The response provides an incorrect amount paid by each team member (16.50 per person).

The response does not show work to determine the amount paid by each member.
Practice Set
P1 - P5

No Annotations Included
The table shows the cost of renting a boat for different amounts of time.

<table>
<thead>
<tr>
<th>Time (days)</th>
<th>Rental Cost (dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>180</td>
</tr>
<tr>
<td>5</td>
<td>300</td>
</tr>
</tbody>
</table>

**Part A**

Determine the missing values in the table and plot the five data points on the coordinate grid.

Select a location on the graph to plot each point.

**Part B**

Write an equation to represent the total cost of renting a boat, $y$, for $x$ days.

Enter your answer in the box.

$$y = 60x$$

**Part C**

The boat rental company gave a rowing team a discount of $10 off for every 4 days of rental. The team rented a boat for 12 days. Their coach paid 35% of the total discounted rental cost. The remaining rental cost was divided equally among the 15 team members.

- Determine the total cost for the team to rent a boat. Show your work or explain your answer.
- Determine the cost per team member. Show your work or explain your answer.

The team all together paid a total of $448.50, each team member paid $29.9 because the total cost was $720 dollars but with the discount became 690 then with the coach 241.5 or 35% it went down to 448.5 then divide that by 15 and you get 29.9
The table shows the cost of renting a boat for different amounts of time.

<table>
<thead>
<tr>
<th>Time (Days)</th>
<th>Rental Cost (Dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>120</td>
</tr>
<tr>
<td>5</td>
<td>300</td>
</tr>
<tr>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

**Part A**

Determine the missing values in the table and plot the five data points on the coordinate grid.

Select a location on the graph to plot each point.

**Part B**

Write an equation to represent the total cost of renting a boat, $y$, for $x$ days.

Enter your answer in the box.

$$y = x \times 6060$$

**Part C**

The boat rental company gave a rowing team a discount of $160 off for every $4$ days of rental. The team rented a boat for $12$ days. Their coach paid $35$% of the total discounted rental cost. The remaining rental cost was divided equally among the $15$ team members.

- Determine the total cost for the team to rent a boat. Show your work or explain your answer.
- Determine the cost per team member. Show your work or explain your answer.

$$60 \times 12 = 720$$

$$720 - 30 = 690$$

$$690 \times 0.35 = 241.50$$

$$690 - 241.50 = 448.50$$

$$448.50 \div 15 = 29.90$$

Each team member pays $29.90
The table shows the cost of renting a boat for different amounts of time.

<table>
<thead>
<tr>
<th>Time (days)</th>
<th>Rental Cost (dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1</td>
<td>120</td>
</tr>
<tr>
<td>3</td>
<td>180</td>
</tr>
<tr>
<td>5</td>
<td>300</td>
</tr>
<tr>
<td>8</td>
<td>420</td>
</tr>
</tbody>
</table>

Part A
Determine the missing values in the table and plot the five data points on the coordinate grid.

Select a location on the graph to plot each point.

Part B
Write an equation to represent the total cost of renting a boat, $y$, for $x$ days.

Enter your answer in the box.

$$y \times 60 = x$$

Part C
The boat rental company gave a rowing team a discount of $10 off for every 4 days of rental. The team rented a boat for 12 days. Their coach paid 35% of the total discounted rental cost. The remaining rental cost was divided equally among the 15 team members.

- Determine the total cost for the team to rent a boat. Show your work or explain your answer.
- Determine the cost per team member. Show your work or explain your answer.

a.) $720 - 30 = 690$
b.) $15 \times 0.65 = 9.75$ / team member
The table shows the cost of renting a boat for different amounts of time.

<table>
<thead>
<tr>
<th>Time (days)</th>
<th>Rental Cost (dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>120</td>
</tr>
<tr>
<td>5</td>
<td>300</td>
</tr>
<tr>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

**Part A**

Determine the missing values in the table and plot the five data points on the coordinate grid.

Select a location on the graph to plot each point.

**Part B**

Write an equation to represent the total cost of renting a boat $y$ for $x$ days.

Enter your answer in the box.

$$y = 60x$$

**Part C**

The boat rental company gave a rowing team a discount of $10 off for every 4 days of rental. The team rented a boat for 12 days. Their coach paid 35% of the total discounted rental cost. The remaining rental cost was divided equally among the 15 team members.

- Determine the total cost for the team to rent a boat. Show your work or explain your answer.
- Determine the cost per team member. Show your work or explain your answer.

690 for the 12 days with the discount the coach paid 241.50 and the team member price was 29.90
The table shows the cost of renting a boat for different amounts of time.

<table>
<thead>
<tr>
<th>Time (days)</th>
<th>Rental Cost (dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>120</td>
</tr>
<tr>
<td>5</td>
<td>300</td>
</tr>
<tr>
<td>10</td>
<td>150</td>
</tr>
</tbody>
</table>

**Part A**

Determine the missing values in the table and plot the five data points on the coordinate grid.

Select a location on the graph to plot each point.

**Boat Rental Costs**

**Part B**

Write an equation to represent the total cost of renting a boat for \( x \) days.

Enter your answer in the box:

\[ x \times 60 = y \]

**Part C**

The boat rental company gave a rowing team a discount of \$10 off for every 4 days of rental. The team rented a boat for 12 days. Their coach paid 35% of the total discounted rental cost. The remaining rental cost was divided equally among the 15 team members.

- Determine the total cost for the team to rent a boat. Show your work or explain your answer.
- Determine the cost per team member. Show your work or explain your answer.

\[ 12 \times 60 = \$720 \text{ or 12 normal days.} \]

\[ \$720 - \$30 \text{ discount} = \$690 \]

35% of \[ 690 = .35 \times 690 = \$241.50 \]

coach's payment

\[ 690 - 241.50 = \$448.50 \text{ total} \]

\[ 448.50 \div 15 = \$29.90 \text{ per team member.} \]
## Practice Set

<table>
<thead>
<tr>
<th>Paper</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>P1</td>
<td>3</td>
</tr>
<tr>
<td>P2</td>
<td>4</td>
</tr>
<tr>
<td>P3</td>
<td>1</td>
</tr>
<tr>
<td>P4</td>
<td>2</td>
</tr>
<tr>
<td>P5</td>
<td>4</td>
</tr>
</tbody>
</table>