Lesson 5 Reteach

Graph Ratio Tables

A coordinate plane is formed when two number lines intersect at their zero points. This intersection is called the origin. The horizontal number line is called the x-axis. The vertical number line is called the y-axis.

An ordered pair is used to name a point on a coordinate plane. The first number in the ordered pair is the x-coordinate, and the second number is the y-coordinate.

Example 1
Graph the point W(2, 4).
Start at the origin. Move 2 units to the right along the x-axis.
Then move 4 units up to locate the point. Draw a dot and label the point W.

Example 2
TICKETS Tickets to the school play cost $3 each. The costs of 1, 2, and 3 tickets are shown in the table. List this information as ordered pairs (number of tickets, cost).
The ordered pairs are (1, 3), (2, 6), and (3, 9).

<table>
<thead>
<tr>
<th>Number of Tickets</th>
<th>Cost ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>3</td>
<td>9</td>
</tr>
</tbody>
</table>

Example 3
Graph the ordered pairs from Example 2.

Exercises
Graph and label each point on the coordinate plane.
1. S(1, 3)  2. T(4, 0)