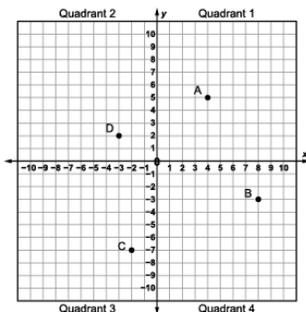


# Activity 6 Assessment

## Plotting and Reading Coordinates

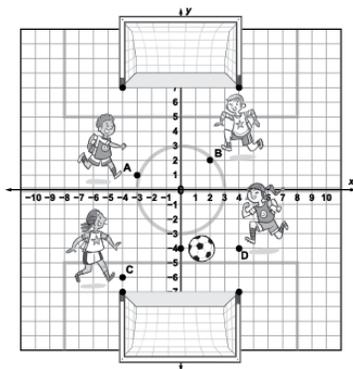
### Plotting and Reading Coordinates in Four Quadrants of the Cartesian Plane

Identifies coordinates to describe the location of points on a Cartesian plane.



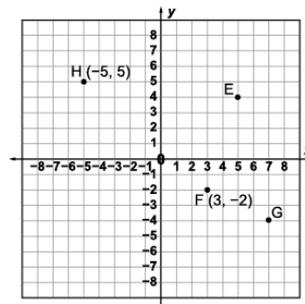
"The coordinates of point B are (8, -3)."

Use coordinates to plot and describe the location of points on a Cartesian plane.



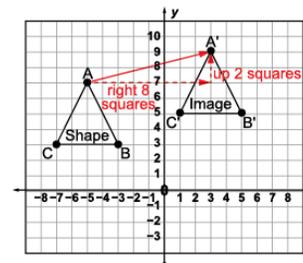
"The ends of the soccer nets are located at (-4, 7) to (4, 7) and (-4, -7) to (4, -7)"

Describes how to translate one point to another point on a Cartesian plane.



"To move point H to point F, translate point H 8 left and 7 down."  
 point H(-5, 5)  
 $(-5 + 8, 5 - 7) \rightarrow (3, -2)$

Flexibly predicts and describes the location and coordinates of points after a translation using the translation vector.



"To move point A to A':  
 $A(-5, 7) \rightarrow (-5 + 8, 7 + 2) \rightarrow A'(3, 9)$   
 $B(-3, 3) \rightarrow (-3 + 8, 3 + 2) \rightarrow B'(5, 5)$   
 $C(-7, 3) \rightarrow (-7 + 8, 3 + 2) \rightarrow C'(1, 5)$   
 The translation vector is (8, 2)  
 for all points."

### Observations/Documentation