



2. Rectangle *EFGH* and rectangle *HIJK* are each graphed in one of the coordinate planes shown.



- a. The interval length of the axes of the coordinate plane with rectangle *HIJK* is ______ times as much as the interval length of the axes of the coordinate plane with rectangle *EFGH*.
- b. Which rectangle has a greater perimeter?

- 3. Use the coordinate plane to complete parts (a)–(c).
 - a. Plot points $E(2\frac{1}{2}, 2)$, F(8, 2), $G(8, 6\frac{1}{2})$, and $H(2\frac{1}{2}, 6\frac{1}{2})$.

Use a straightedge to connect the points and create rectangle *EFGH*.

- b. What is the perimeter of rectangle *EFGH*?
- c. What is the area of rectangle *EFGH*?



- 4. The graph shows one side of rectangle *QRST*.
 - a. Rectangle *QRST* has an area of 45 square units. Plot and label points *S* and *T*.
 - b. Draw rectangle QRST.
 - c. What is the perimeter of rectangle *QRST*?



5. Tara says the perimeter of rectangle *WXYZ* is 38 units. Adesh says the perimeter of rectangle *WXYZ* is 19 units. Who is correct? Explain.

