

As Close as It Gets

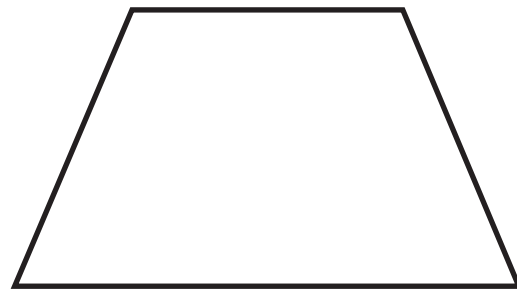
Number Sense

1. What is the perimeter of this rectangle measured to the nearest inch and the nearest $\frac{1}{2}$ inch? Which is more accurate? Explain.



12 in. to the nearest inch, 10 in. to the nearest half-inch. The second measurement is more accurate.

2. What is the perimeter of this trapezoid measured to the nearest inch and the nearest $\frac{1}{2}$ inch? Which is more accurate? Explain.



8 in. to the nearest inch, 7 in. to the nearest half-inch. The second measurement is more accurate.

3. What similarities did you see when you determined which perimeters were the most accurate?

In both cases, the measurement made with the smaller unit is more accurate.