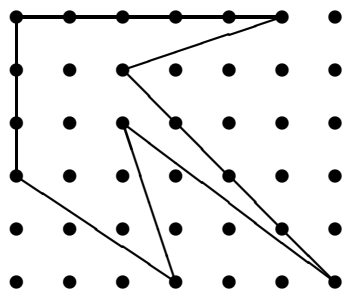


1. (a) Could the measurements 23 cm, 12 cm, and 10 cm be the lengths for the three sides of a triangle? Explain your reasoning in 1-2 sentences.

(b) Could the measurements 13 cm, 24 cm, and 35 cm be the lengths for the three sides of a right triangle? Explain your reasoning in 1-2 sentences.

2. Find the entire perimeter of the figure shown. The horizontal or vertical distance between adjacent dots counts as 1 inch. Show clear work, and round to the nearest tenth.



3. On the salt flats, a hiker starts from a geological marker and walks 2 km north, then 2.5 km west, and finally 1.5 km south. If he walks directly back to the mark, how far will that distance be? Show clear work; round to the nearest tenth.

4. Show clear work in finding the circumference of a circle whose diameter is the length shown. Round to the nearest hundredth.

