Estimate Distances on a Map

Look at the map below. The scale is 1 cm: 0.05 mi.

1. If you walk on Center Street, what is the approximate distance from Hanover Street to Oak Street?

2. If you walk along the streets shown, about how far is it to walk from the corner of Quimby Street and Brooks Street to the corner of Center Street and Oak Street?

3. If you walk 2 miles per hour, about how long would it take you to walk around the perimeter of the park?

4. What is the shortest route from the corner of Oak Street and Water Street to the corner of Brooks Street and Hanover Street? How do you know?

5. **Connect It** Suppose you start walking at the corner of Water Street and Oak Street. You walk along Water Street towards Hanover Street at 1 mile per hour. What intersection will you be closest to after 10 minutes of walking? Explain.
Estimate Distances on a Map

Look at the map below. The scale is 1 cm: 0.05 mi.

1. If you walk on Center Street, what is the approximate distance from Hanover Street to Oak Street?
   \textbf{about 0.2 miles}

2. If you walk along the streets shown, about how far is it to walk from the corner of Quimby Street and Brooks Street to the corner of Center Street and Oak Street?
   \textbf{about 0.25 miles}

3. If you walk 2 miles per hour, about how long would it take you to walk around the perimeter of the park?
   \textbf{about 15 minutes}

4. What is the shortest route from the corner of Oak Street and Water Street to the corner of Brooks Street and Hanover Street? How do you know?
   \textbf{Walk along Oak St. to Brooks St., walk along Brooks St. to Hanover Street. Explanations may vary.}

5. \textbf{Connect It} Suppose you start walking at the corner of Water Street and Oak Street. You walk along Water Street towards Hanover Street at 1 mile per hour. What intersection will you be closest to after 10 minutes of walking? Explain.
   \textbf{Corner of Water and Quimby St.; each block is \(\frac{1}{20}\) of a mile so it takes 3 min. to walk each block at 1 mile per hour. After 10 min., you’ve walked 3 blocks.}