

Answer Key • Lesson 4: Reading a Map

Name _____ Date _____

Joe's Chicago Map

1 cm = approx. $\frac{1}{8}$ mile

E Denotes Building Entrances

N
W E
S

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Joe's Chicago Map (TG pp. 1–2) Questions 1–4

1. About $1\frac{6}{8}$ miles; $14 \times \frac{1}{8} = \frac{14}{8} = 1\frac{6}{8}$ or $1\frac{3}{4}$ miles
2. About $1\frac{1}{8}$ miles; $9 \times \frac{1}{8} = \frac{9}{8} = 1\frac{1}{8}$ miles
3. About 1 mile; $8 \times \frac{1}{8} = \frac{8}{8} = 1$ mile
4. About $2\frac{1}{2}$ miles; $20 \times \frac{1}{8} = \frac{20}{8} = 2\frac{4}{8}$ or $2\frac{1}{2}$ miles

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Use the map to answer the following questions. The origin of the map is at the corner of State Street and Madison Street. Measure distances from the entrance to each location. The entrance is marked with an (E). Measure all walking distances along streets. Show how you solved each problem.

1. If you walk from the Willis Tower to Buckingham Fountain, about how far would you walk?
2. If you walk from $(-6, -3)$ to $(-1, -3)$ to $(0, 0)$, about how far would you walk?
3. If you park in the Grant Park Garage and then go to the Opera House, about how far would you walk?
4. If you were at $(1, -7)$, about how far would you walk to get to the Merchandise Mart?

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Joe's Chicago Map
Feedback Box

| Identify and describe locations in all four quadrants using ordered pairs. (Q# 2, 9) | E3 | E6 | Comments |
|--|----|----|----------|
| Use ratios to solve scale and distance problems. (Q# 1–4) | | | |
| | | | |

MP1: Know the problem. Read the problem carefully. Know the questions to answer and what information is important.

| | | | |
|--|--------|-------------|------------|
| | Yes... | Yes, but... | No, but... |
| | Yes... | Yes, but... | No... |

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