

§1.1–2 Content Check

Name: Mike

1. How does the chapter define *critical thinking*?

Critical thinking is "clear, reasonable, reflective thinking focused on deciding what to believe or do."

2. How do you write the number 0.02 as a percentage?

2%

3. A map scale indicates that $\frac{1}{2}$ inch on the map corresponds with 3 real miles. How many miles apart are two cities that are $5\frac{3}{4}$ inches apart on the map?

$$\frac{\frac{1}{2} \text{ in.}}{3 \text{ mi.}} = \frac{5\frac{3}{4} \text{ in.}}{? \text{ mi.}}$$

$$\Rightarrow \frac{0.5}{3} = \frac{5.75}{?} \quad \Rightarrow ? = \frac{5.75 \cdot 3}{0.5} = 34.5$$

So they're 34.5 miles apart.