

# Problem Solving: Relative Size

**TAKS Objective 1**  
**TEKS 5.1B, 5.14A, 5.16A**

**Solve. Explain why your answer makes sense.**

- 1.** Leon is making a cake. He plans to measure the flour to the nearest hundredth of a cup. Is a measure to the nearest hundredth of a cup too precise or not precise enough for the situation?

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- 3.** A sports drink bottle says it contains 12 ounces of the drink. If the bottle actually contains 12.03 ounces of drink, does that mean that the label is wrong?

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- 5.** Describe a situation where 1.6 minutes might seem like a long time. Describe a situation where 1.6 minutes might seem like a short time.

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- 2.** Pauline is making a picture frame using 4 pieces of cardboard. She measures each piece to the nearest inch. Is a measure to the nearest inch too precise or not precise enough for the situation?

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- 4.** Mark is making lemonade. The instructions say to mix one packet of lemonade powder with a gallon of water. Is it important if Mark uses 1.4 gallons of water?

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- 6.** Describe a situation where 0.8 miles might seem like a long distance. Describe a situation where 0.8 miles might seem like a short distance.

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