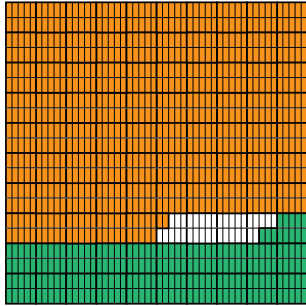


Teacher Guide

**Add and Subtract Decimals Quiz
(TG pp. 1–2)
Questions 1–3**

1. Solution strategies will vary.
A. Using a grid:



Number sentence $.752 + .213 = .965$

- B. Using expanded form to solve $6.46 - 5.51$:

$$6.49 = 6 + 0.4 + 0.09 = 5 + 1.4 + 0.09$$

$$5.51 = 5 + 0.5 + 0.01 = 5 + 0.5 + 0.01$$

$$0 + .9 + 0.08 = .98$$

- C. 0.98;

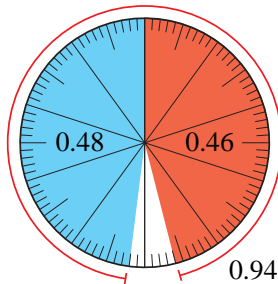


2. Solution strategies will vary.

A. Using compact method:

$$\begin{array}{r} 7.16 \\ 2.86 \\ - 1.79 \\ \hline 1.07 \end{array}$$

- B. Using hundredths circle:



- C. Representations will vary. Using base-ten shorthand:



- D. Mark's; Possible response: I know .94 is closer to 1 than 1.07 because 1.07 is .07 more than 1 and .94 is .06 less than 1.

3. Frank is incorrect. Possible response: If I just look at the tenths, $0.9 - 0.8 = 0.1$, not 1.0.

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Add and Subtract Decimals Quiz

1. Shannon and Roberto played the *Add or Subtract to 1 Game*.

A. Shannon made this problem: $.752 + .213$
Show how to find Shannon's sum:

B. Roberto made this problem: $6.49 - 5.51$
Show how to find Roberto's difference:

Number sentence _____

Number sentence _____

C. Place both answers on the number line below.

Which number is closer to 1? _____

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Name _____ Date _____

2. Jessie and Mark played the game, too.

A. Jessie made this problem: $2.86 - 1.79$
Show how to find Jessie's difference:

B. Mark made this problem: $0.48 + 0.46$
Show how to find Mark's sum:

C. Represent Mark's answer using a hundredths grid, hundredths circle, or base-ten shorthand. The flat is the unit whole. Choose one way.

D. Which number is closer to 1, Jessie's or Mark's? _____
How do you know?

3. Frank made this problem:

$$\begin{array}{r} .911 \\ - .809 \\ \hline \end{array}$$

He estimated the difference to be about 1. Do you agree or disagree? Explain why.

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