Homework

Write >, <, or = to compare these numbers.
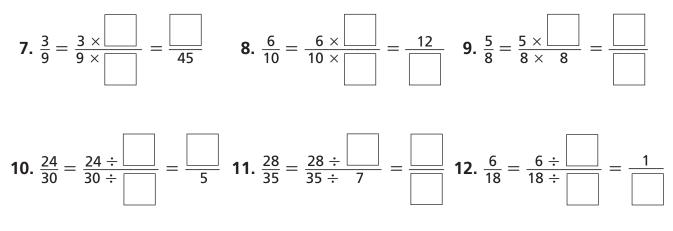
1. $\frac{3}{4}$ ◯ $\frac{2}{8}$

2. $\frac{4}{10}$ ◯ $\frac{4}{5}$

3. $1\frac{3}{6}$ ◯ $2\frac{3}{6}$

4. $1\frac{1}{6}$ ◯ $1\frac{1}{4}$

5. $2\frac{7}{8}$ ◯ $2\frac{3}{7}$

6. $1\frac{4}{9}$ ◯ $1\frac{5}{10}$

Complete.

7. $\frac{3}{9} = \frac{3 \times \square}{9 \times \square} = \frac{\square}{45}$

8. $\frac{6}{10} = \frac{6 \times \square}{10 \times \square} = \frac{12}{\square}$

9. $\frac{5}{8} = \frac{5 \times \square}{8 \times 8} = \frac{\square}{\square}$

10. $\frac{24}{30} = \frac{24 \div \square}{30 \div \square} = \frac{\square}{5}$

11. $\frac{28}{35} = \frac{28 \div \square}{35 \div 7} = \frac{\square}{\square}$

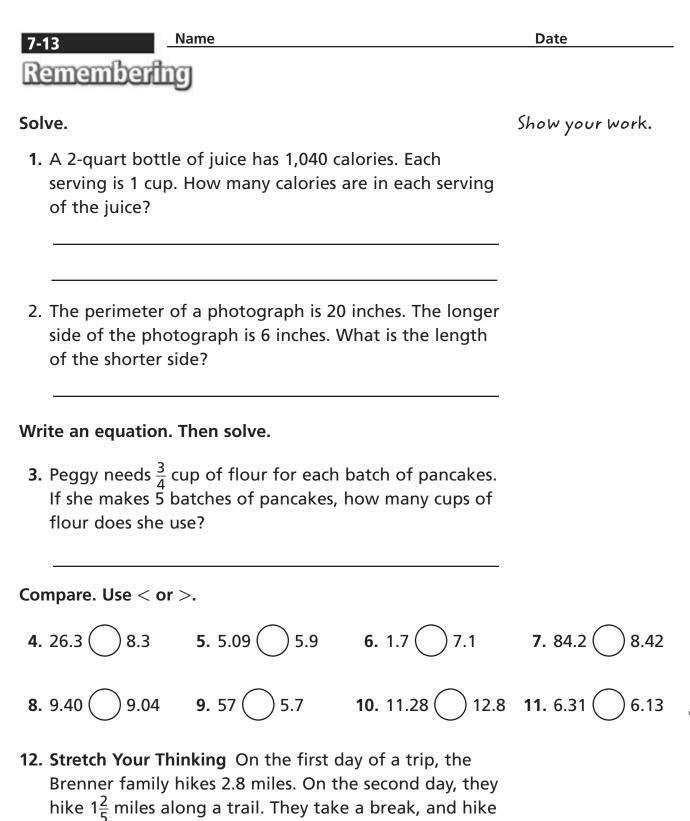**12.** $\frac{6}{18} = \frac{6 \div \square}{18 \div \square} = \frac{1}{\square}$

Solve.

Show your work

13. Cole lives 2.4 miles from the library. Gwen lives 2.04 miles from the library. Xander lives 2.40 miles from the library. Who lives closest to the library: Cole, Gwen, or Xander?

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14. After making his art project, Robbie has $\frac{2}{10}$ yard of rope left. What is $\frac{2}{10}$ written as a decimal?

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Remembering

Solve.   *Show your work.*

1. A 2-quart bottle of juice has 1,040 calories. Each serving is 1 cup. How many calories are in each serving of the juice?

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2. The perimeter of a photograph is 20 inches. The longer side of the photograph is 6 inches. What is the length of the shorter side?

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Write an equation. Then solve.

3. Peggy needs $\frac{3}{4}$ cup of flour for each batch of pancakes. If she makes 5 batches of pancakes, how many cups of flour does she use?

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Compare. Use $<$ or $>$.

4. 26.3 $\bigcirc$ 8.3   5. 5.09 $\bigcirc$ 5.9   6. 1.7 $\bigcirc$ 7.1   7. 84.2 $\bigcirc$ 8.42

8. 9.40 $\bigcirc$ 9.04   9. 57 $\bigcirc$ 5.7   10. 11.28 $\bigcirc$ 12.8   11. 6.31 $\bigcirc$ 6.13

12. **Stretch Your Thinking** On the first day of a trip, the Brenner family hikes 2.8 miles. On the second day, they hike $1\frac{2}{5}$ miles along a trail. They take a break, and hike back to where they started. Did they hike more the first day or the second day? Explain.

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