Name: _____

Dividing Fractions Word Problems

Solve each problem. Write your answer in simplest form.

Learn: Ask "how many groups of this size fit?" That is a division problem. Divide by multiplying by the reciprocal.

Example: A recipe uses 2/3 cup of oats per batch. How many batches can be made with 8 cups?

Answer: 12 batches

1. Kai walks 1 1/2 miles per hour. How long will it take him to walk 4 1/2 miles?

   Answer: _____

2. How many quarter-inch pieces can be cut from a board that is 7/8 inch long?

   Answer: _____

3. A rectangle has an area of 1 1/4 square foot and a width of 1/2 foot. How long is it?

   Answer: _____

4. Each birdhouse needs 1/6 can of paint. How many birdhouses can be painted with 1 1/3 can?

   Answer: _____

5. A ribbon is 3 1/2 yards long. It is cut into pieces 3/4 yard long. How many pieces are there?

   Answer: _____

6. How many 3/4-cup servings are in 5 cups of rice?

   Answer: _____

7. 2 1/4 pounds of trail mix are shared equally by 3 friends. How much does each friend get?

   Answer: _____

8. A recipe uses 2/3 cup of oats per batch. How many batches can be made with 10 cups?

   Answer: _____

Name: **ANSWER KEY**

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Answer: 12 batches

1. Kai walks 1 1/2 miles per hour. How long will it take him to walk 4 1/2 miles?

   Answer: 3 hours

2. How many quarter-inch pieces can be cut from a board that is 7/8 inch long?

   Answer: $3\frac{1}{2}$ pieces

3. A rectangle has an area of 1 1/4 square foot and a width of 1/2 foot. How long is it?

   Answer: $2\frac{1}{2}$ feet

4. Each birdhouse needs 1/6 can of paint. How many birdhouses can be painted with 1 1/3 can?

   Answer: 8 birdhouses

5. A ribbon is 3 1/2 yards long. It is cut into pieces 3/4 yard long. How many pieces are there?

   Answer: $4\frac{2}{3}$ pieces

6. How many 3/4-cup servings are in 5 cups of rice?

   Answer: $6\frac{2}{3}$ servings

7. 2 1/4 pounds of trail mix are shared equally by 3 friends. How much does each friend get?

   Answer: $\frac{3}{4}$ pound

8. A recipe uses 2/3 cup of oats per batch. How many batches can be made with 10 cups?

   Answer: 15 batches