

ANSWERS**Multiplying Fractions Word Problems #1****Example Problem**

There is a major drought in Huckabee County. The Samson River is only $\frac{2}{3}$ as deep as it should be with normal rainfall. If the river is usually 18 feet deep, how deep is it during the drought?

$$\frac{2}{3} \times 18 = \frac{2 \times 18}{3} = \frac{36}{3} = \boxed{12}$$

Answer: 12 feet deep

Directions: Follow the steps in the example box when you solve the following word problems. Be sure to show your work and label your answers.

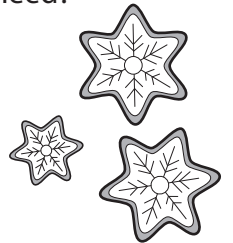
1. One eighth of Mr. Sanchez's class is left-handed. If there are 24 students in his class, how many of them are left-handed?



Three students are left-handed.

2. Sabrina is going to bake cookies. The recipe calls for $\frac{3}{4}$ of a cup of sugar. Sabrina needs to double the recipe because she has a large, cookie-loving family. How many cups of sugar does she need?

$1\frac{1}{2}$ cups of sugar



3. A science textbook is $\frac{2}{3}$ of an inch thick. If I need to fit 16 textbooks stacked one on top of another on a shelf, how many inches of space will I need?

$10\frac{2}{3}$ inches

**Challenge**

4. A tennis tournament is nearing its finals. Seven eighths of the original participants are now out of the tournament. If there were 16 tennis players at the beginning of the tournament, how many are left in the finals?



2 tennis players