Practice solving these multiplication and division word problems using a diagram.

1. A can holds 1 2/3 cups of tomato sauce. How much tomato sauce is in 1 1/4 cans?

2. I have 3/4 liters of soda. That's 2/3 of a serving. How much soda is in one serving?

3. I have 2 5/6 cups of pancake mix. A batch takes 1 1/4 cups of mix. How many batches of pancakes can I make?

4. I have 2 2/3 yards of string. That's enough to go around the table 1 1/2 times. How many yards of string do I need to go around the table once?

5. A tube of paint holds 1 1/3 ounces. How much paint is in 2/3 of a tube of paint?

6. I have 2/3 cups of soda. A serving is 3/4 cup. How many servings do I have?

7. I have 2 1/2 yards of fabric. It takes 2/3 yard of fabric to make a cub scout flag. How many flags can I make?

8. A bag of candy weighs 1 1/2 lbs. How much does 3/5 of a bag of candy weigh?

9. I have 2 1/3 cups of water. That fills the jar 5/8 of the way full. How much water would it take to fill the jar?

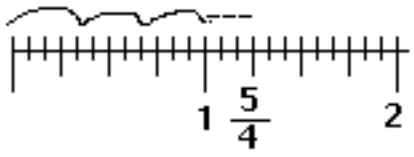
10. A bottle has 2/3 of a quart of juice in it. How much juice is in 2 1/5 bottles?

11. I have 2 1/2 ounces of dye. It takes 3/5 ounce of dye to dye 1 yard of fabric. How many yards of fabric can I dye?

12. I have 2 1/4 pounds of apples. That's enough to make 1 3/5 jars of applesauce. How many apples do I need for 1 jar of applesauce?

13. Alice solved the problem:
Jan has 20 ounces of dried thyme. If a package of thyme weighs 3/4 of an ounce, how many packages of thyme can Jan make?
by dividing: $20 \div \frac{3}{4} = 20 \times \frac{4}{3} = \frac{80}{3} = 26\frac{2}{3}$
What does 26 tell about the answer? What does 2/3 tell about the answer?

14. John solved the problem $\frac{5}{4} \div \frac{1}{3}$ by drawing the following diagram:



John says that this means that the answer is 3 1/4. Is he correct? If not, what is the correct answer, and how does it fit with his picture?