Dividing with Fractions

Fractions

Name: _____ Date: _____ Grade 6

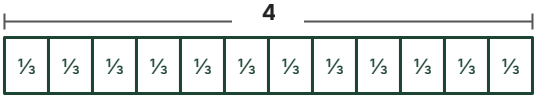
1. A bakery has 6 pounds of cookie dough. Each tray of cookies uses $\frac{3}{4}$ pound of dough. How many trays of cookies can the bakery make?

a Draw a tape diagram to model this situation.

b Write a division expression that represents this situation. _____

c How many trays of cookies can the bakery make? _____

2. Use the tape diagram shown.



a Write a multiplication equation that the diagram could represent. _____

b Write a division equation that the diagram could represent. _____

3. The town library is open for 9 hours each day. Each volunteer shift is $1\frac{1}{2}$ hours long. How many volunteer shifts are there each day?

4. Lila fills bowls with rice. She puts $\frac{3}{4}$ cup of rice in each bowl and uses 6 cups in all.

- Ben says, "I can use the equation $6 \cdot ? = \frac{3}{4}$ to find how many bowls she filled."
- Ava says, "I can use the equation $6 \div \frac{3}{4} = ?$ to find how many bowls she filled."

Who is correct? Circle one. **Ben** **Ava** **Both** **Neither**

Problems 5–6: A pancake recipe calls for 8 cups of milk. Two friends use different-sized measuring cups. How many scoops does each friend need?

5. Rosa: $\frac{1}{2}$-cup scoop _____

6. Kai: 2-cup scoop _____

7. Jon poured 15 cups of soup into 10 jars. Each jar has the same amount of soup.

a Write a multiplication equation. _____

b Write a division equation. _____

c Draw a diagram to represent this situation.

d How much soup is in each jar? _____