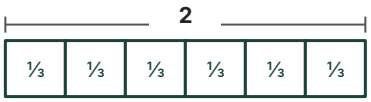
Finding the Whole

Fractions • Answer Key

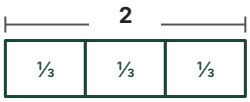
ANSWER KEY • Amplify Alignment: Grade 6 Accelerated, Unit 3, Lesson 6

1. **Which tape diagram best represents the expression $2 \div \frac{1}{3}$?**

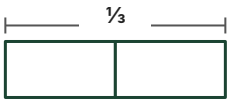
   A

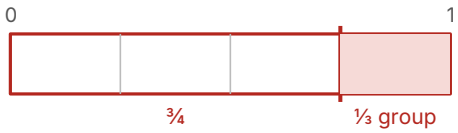
   B

   C

2. **Calculate $1 \div \frac{3}{4}$. Draw a diagram if it helps.** $1\frac{1}{3}$

3. **Pia picked 1 cup of cherries, which is enough for $1\frac{1}{3}$ batches of cherry muffins. How many cups does she need for 1 batch?**

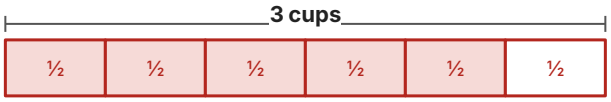
   $1 \div 1\frac{1}{3} = 1 \div \frac{4}{3} = \frac{3}{4}$ cup

4. **Max painted $\frac{5}{2}$ square yards of wall with 2 gallons of paint. How many gallons did he use for each square yard?**

   $2 \div \frac{5}{2} = 2 \cdot \frac{2}{5} = \frac{4}{5}$ gallon per square yard

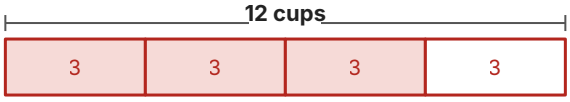
Problems 5–6: Complete the tape diagram to represent and solve each problem.

5. **Trey picked 2.5 cups of blueberries, which is enough for $\frac{5}{6}$ of a pan of blueberry crisp. How many cups does he need for a whole pan?**



Answer: **3 cups**

6. **Tonya picked 9 cups of apples, which is enough for $\frac{3}{4}$ of a pan of apple crisp. How many cups does she need for a whole pan?**



Answer: **12 cups**

7. **$\frac{2}{5}$ of the students at a school ride bikes to school. If 160 students ride bikes, how many students attend the school?**

160 ÷ $\frac{2}{5}$ = 400 students (each fifth is 80 students)

8. **Calculate $\frac{3}{5} \div \frac{1}{4}$. Show or explain your thinking.**

$\frac{3}{5} \cdot 4 = \frac{12}{5} = 2\frac{2}{5}$