

Solve the problems below using your knowledge of multiplying and dividing fractions and mixed numbers.

1. A recipe calls for $3\frac{3}{4}$ cups of milk. If the measuring cup holds only $\frac{1}{4}$ cup, how many times will you have to fill it?

15 times

2. A pitcher holds $4\frac{2}{3}$ pints of iced tea. If one serving is $\frac{1}{3}$ of a pint, how many servings of iced tea does the pitcher hold?

14 servings

3. A jogger ran for $5\frac{1}{4}$ miles. If she stopped every $\frac{1}{4}$ of a mile, how many stops did she make?

21 stops

4. If a school bell rings every 30 minutes, how many times does it ring in $7\frac{1}{2}$ hours?

15 rings

5. A scientist needs $2\frac{3}{5}$ pints of a chemical for an experiment. If the test tube only holds $\frac{2}{5}$ of a pint, how many times will she have to fill it?

$6\frac{1}{2}$ times

6. My garden needs $3\frac{5}{6}$ pounds of soil. If a bag of soil contains only $\frac{5}{6}$ of a pound, how many bags do I have to buy?

5 bags

7. On a map, each section represents $\frac{1}{10}$ of a mile. How many sections are needed to represent $2\frac{3}{10}$ miles?

23 sections

8. Jordan talks to his friends every 15 minutes during a class period. If the school day lasts for $6\frac{1}{4}$ hours, how many times a day does Jordan talk to his friends?

25 times

9. A muffin recipe calls for $2\frac{2}{3}$ cups of flour. Tina has a scoop that only holds $\frac{1}{3}$ of a cup. How many scoops of flour must she use to make the muffins?

8 scoops

10. Eric has $4\frac{4}{5}$ pounds of equipment to be placed in boxes. Each box will only fit $\frac{4}{5}$ of a pound. How many boxes does Eric need for the equipment?

6 boxes