

Name _____

Date _____

1. Show each expression on a number line. Solve.

a. $\frac{4}{9} + \frac{1}{9}$

b. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

c. $\frac{2}{7} + \frac{2}{7} + \frac{2}{7}$

d. $2 \times \frac{3}{5} + \frac{1}{5}$

2. Express each fraction as the sum of two or three equal fractional parts. Rewrite each as a multiplication equation. Show Part (a) on a number line.

a. $\frac{6}{11}$

b. $\frac{9}{4}$

c. $\frac{12}{8}$

d. $\frac{27}{10}$

3. Express each of the following as the sum of a whole number and a fraction. Show Parts (c) and (d) on number lines.

a. $\frac{9}{5}$

b. $\frac{7}{2}$

c. $\frac{25}{7}$

d. $\frac{21}{9}$

4. Natalie sawed five boards of equal length to make a stool. Each was $\frac{9}{10}$ of a meter long. What is the total length of the boards she sawed? Express your answer as the sum of a whole number and the remaining fractional units. Draw a number line to represent the problem.

Answer Key

1.
 - a. $\frac{5}{9}$; number line drawn
 - b. $\frac{4}{4}$; number line drawn
 - c. $\frac{6}{7}$; number line drawn
 - d. $\frac{8}{5}$; number line drawn
2.
 - a. Answers will vary; number line drawn
 - b. Answers will vary.
 - c. Answers will vary.
 - d. Answers will vary.
3.
 - a. $1\frac{4}{5}$
 - b. $3\frac{1}{2}$
 - c. $3\frac{4}{7}$; number line drawn
 - d. $2\frac{3}{9}$ or $2\frac{1}{3}$; number line drawn
4. $4\frac{5}{10}$ or $4\frac{1}{2}$; number line drawn