6. $5\frac{1}{8} \div 2\frac{1}{2} =$

$$\frac{41}{8} \cdot \frac{2}{5} = \frac{41}{20} = \boxed{2\frac{1}{20}}$$

7. If a waffle has a length of $4\frac{5}{7}$ inches and a width of $2\frac{3}{4}$ inches, what is the area of the waffle?

$$A = l \times w$$

$$= \frac{33}{7} \times \frac{11}{4}$$

$$= \frac{363}{28} = \boxed{12\frac{27}{28} \text{ inches}}$$

8. I have a 15-foot piece of lumber and want to cut it into $2\frac{1}{2}$ ft lengths. How many $2\frac{1}{2}$ ft pieces can I make from the original lumber?

$$15 \div 2\frac{1}{2}$$

$$\frac{15}{1} \times \frac{2}{5} = \frac{6}{1} = \boxed{6 \text{ pieces}}$$

9. A gasoline pump delivers $3\frac{3}{5}$ gallons of gas per minute. How long will it take to fill a gas tank that hold 10 gallons?

$$10 \div 3\frac{3}{5}$$

$$\frac{10}{1} \times \frac{5}{18} = \frac{50}{18} = \boxed{2\frac{7}{9} \text{ minutes}}$$

Name: Key

Multiply and Divide Fractions

Multiply or divide and put all answers into simplest form. Organize work (on here or another piece of paper) and circle answers.

1. $\frac{3}{10} \times 50 =$ $\frac{3}{\cancel{10}_{1}} \times \frac{\cancel{50}^{5}}{1} = \boxed{15}$

2. $\frac{1}{9} \times \frac{2}{3} =$ $\frac{1}{9} \times \frac{2}{3} = \boxed{\frac{2}{27}}$

3. $\frac{5}{9} \times 4 =$ $\frac{5}{9} \times \frac{4}{1} = \frac{20}{9} = \boxed{2\frac{2}{9}}$

4. $2 \div \frac{2}{3} =$ $\frac{2}{1} \times \frac{3}{2} = \frac{6}{2} = \boxed{3}$

5. $\frac{6}{1} \div \frac{2}{5} =$ $\frac{\cancel{6}^{3}}{1} \times \frac{5}{\cancel{2}_{1}} = \boxed{15}$