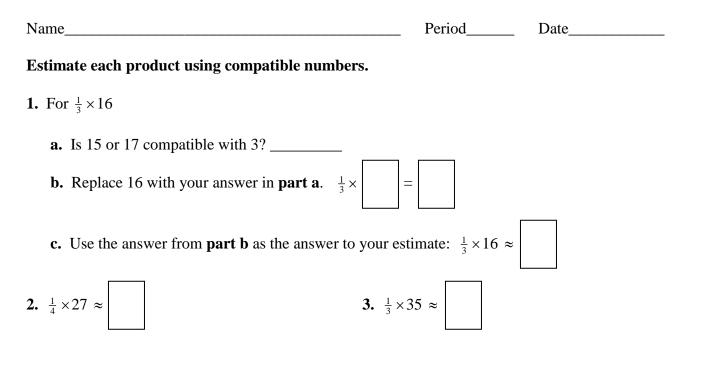
Lesson 5.5T ~ Estimating Products and Quotients



4. Mike shot 21 baskets. He made about $\frac{3}{4}$ of his shots. About how many baskets did Mike make?

Estimate each product using compatible numbers.

- 5. For $1\frac{1}{3} \times 2\frac{7}{8}$:
 - **a.** Round $1\frac{1}{3}$ to the nearest whole number: _____
 - **b.** Round $2\frac{7}{8}$ to the nearest whole number: _____
 - **c.** Multiply the answer from **part a** by the answer in **part b**. _____ × ____ = ____
 - **d.** Use the answer from **part c** as the answer to your estimate: $1\frac{1}{3} \times 2\frac{7}{8} \approx$

Estimate each product using compatible numbers.

6. $2\frac{4}{5} \times 2\frac{3}{4} \approx$ **7.** $5\frac{5}{7} \times 2\frac{1}{5} \approx$

8. Roger needed $2\frac{1}{3}$ scoops of dirt to fill each container. He had $4\frac{6}{7}$ container to fill. Approximately how many more scoops of dirt will he need to fill these containers?

Estimate each quotient using compatible numbers.

9. For $14\frac{1}{2} \div 3\frac{1}{8}$:

- **a.** Round the smaller number $(3\frac{1}{8})$ to the nearest whole number: _____
- **b.** Choose a compatible number to replace $14\frac{1}{2}$.
- c. Rewrite and solve the expression using your compatible numbers.

part b ÷ part a: _____ ÷ ____ = ____

d. Use the answer from **part d** as your estimate for: $14\frac{1}{2} \div 3\frac{1}{8} \approx$

10.
$$33\frac{1}{8} \div 4\frac{1}{6} \approx$$
 11. $27\frac{1}{4} \div 7\frac{1}{8} \approx$

12. Sherri has $49\frac{1}{6}$ pages left in her book. She wants to finish it in about $4\frac{1}{4}$ days. Estimate how many pages Sherri should read each day in order to finish the book in time.