Name _____

Dividing Mixed Numbers

Step 1: Convert each mixed number into an improper fraction.

Step 2 : Divide the fractions and simplify them if possible.

1. $1\frac{1}{4} \div 2\frac{1}{2}$

$= \frac{5}{4} \div \frac{5}{2}$

$= \frac{\cancel{5}^{1}}{\cancel{4}_{2}} \times \frac{\cancel{2}^{1}}{\cancel{5}_{1}}$

$= \frac{1}{2}$

2. $4\frac{3}{4} \div 5\frac{7}{8}$

$= \frac{19}{4} \div \frac{47}{8}$

$= \frac{5}{\cancel{4}_{1}} \times \frac{\cancel{8}^{2}}{47}$

$= \frac{10}{47}$

3. $3\frac{5}{9} \div 2\frac{5}{18}$

$= \frac{32}{9} \div \frac{41}{18}$

$= \frac{32}{\cancel{9}_{1}} \times \frac{\cancel{18}^{2}}{41}$

$= \frac{64}{41} = 1\frac{23}{41}$

4. $5\frac{3}{5} \div 1\frac{7}{15}$

$= \frac{28}{5} \div \frac{22}{15}$

$= \frac{\cancel{28}^{14}}{\cancel{5}_{1}} \times \frac{\cancel{15}^{3}}{\cancel{22}_{11}}$

$= \frac{42}{11} = 3\frac{9}{11}$

5. $2\frac{9}{16} \div 2\frac{1}{20}$

$= \frac{41}{16} \div \frac{41}{20}$

$= \frac{\cancel{41}^{1}}{\cancel{16}_{4}} \times \frac{\cancel{20}^{5}}{\cancel{41}_{1}}$

$= \frac{5}{4} = 1\frac{1}{4}$

6. $5\frac{3}{8} \div 3\frac{9}{16}$

$= \frac{43}{8} \div \frac{57}{16}$

$= \frac{43}{\cancel{8}_{1}} \times \frac{\cancel{16}^{2}}{57}$

$= \frac{86}{57} = 1\frac{29}{57}$