

pg. 209
4-12 even

6.6 Multiplying w/ Mixed

1. Change mixed numbers to improper fractions.
2. Multiply as usual.
3. Simplify if needed.

Example →

$$\frac{6}{7} \times 4\frac{2}{3} \quad 3 \times 4 + 2 = 14$$
$$\frac{6}{7} \times \frac{14}{3} = \frac{4}{1} = 4$$

$9 \times 2 + 2 = 20$
↓ so

$$\frac{6}{11} \times 2\frac{2}{9}$$
$$\frac{6}{11} \times \frac{20}{9} = \frac{40}{33} = 1\frac{7}{33}$$

$5 \times 3 + 3$

$$3\frac{3}{5} \times \frac{5}{6}$$
$$\frac{3 \cdot 18}{18} \times \frac{5}{6} = \frac{3}{1} = 3$$

add

$$2\frac{3}{5} = \frac{13}{5}$$

multiply

denom. stays same