

Math Tip

Some students like to use this shortcut for changing a mixed number to an improper fraction:

Numerator: Multiply the whole number by the denominator and add the numerator.

$$2\frac{3}{4} = \frac{(4 \times 2) + 3}{4} = \frac{11}{4}$$

$$5\frac{2}{3} = \frac{(3 \times 5) + 2}{3} = \frac{17}{3}$$

Denominator: Remains the same.

Use the shortcut to change each mixed number to an improper fraction.

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

$2\frac{7}{8} =$

$4\frac{3}{5} =$

Multiply. Use cancellation when possible. Simplify your answers.

7. $2\frac{2}{3} \times 4 =$

$1\frac{3}{4} \times 3 =$

$4\frac{1}{2} \times 6 =$

8. $6 \times 3\frac{1}{4} =$

$4\frac{5}{12} \times 3 =$

$6\frac{2}{5} \times 10 =$

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

$1\frac{5}{8} \times \frac{4}{5} =$

$\frac{3}{4} \times 3\frac{1}{8} =$

10. $\frac{5}{8} \times 3\frac{1}{4} =$

$4\frac{1}{2} \times \frac{5}{6} =$

$\frac{4}{5} \times 1\frac{11}{12} =$

11. $3\frac{1}{2} \times 2\frac{2}{3} =$

$4\frac{1}{4} \times 1\frac{3}{4} =$

$5\frac{1}{2} \times 3\frac{5}{8} =$

12. $4\frac{1}{3} \times 3\frac{7}{8} =$

$1\frac{15}{16} \times 2\frac{1}{4} =$

$2\frac{3}{4} \times 5\frac{1}{4} =$