

Multiplying Fractions 2 - Mixed Numbers

Review

Change from an improper fraction to a mixed number: $\frac{23}{3}$

Change from a mixed number to an improper fraction: $5\frac{2}{3}$

To multiply with a mixed number, change to an improper fraction first and then:

- 1) multiply the numerators
- 2) multiply the denominators
- 3) simplify (state in lowest terms, if possible)
- 4) state solution as a mixed number

Example 1 - Improper Fraction x Proper Fraction

Determine $\frac{5}{4} \times \frac{2}{3}$.

Example 2 - Improper Fraction x Improper Fraction

Calculate $\frac{8}{3} \cdot \frac{11}{6}$.

Example 3 - Mixed Numbers

a) Determine $2\frac{5}{6} \times 4$.

b) What is $1\frac{3}{4} \cdot \frac{3}{4}$?

c) Calculate $\left(3\frac{1}{3}\right)\left(2\frac{1}{10}\right)$.

Your Turn!!!

Multiply the following.

a) $5 \times 3\frac{3}{4}$

b) $\frac{1}{2} \cdot 2\frac{1}{2}$

c) $\left(3\frac{2}{3}\right)\left(1\frac{1}{2}\right)$



Complete the following:

Worksheet - Multiplying Fractions (D) (odds)**Worksheet - Multiplying Fractions (E)** (odds)

Check your solutions using the key provided.