

Multiplying Mixed Numbers

Change mixed numbers into improper fractions then multiply as before. Ex. 1:  $2\frac{1}{2} \times 3\frac{1}{3} = \frac{5}{12} \times \frac{10^5}{3} = \frac{25}{3} = 8\frac{1}{3}$ 

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Change the mixed numbers to improper fractions by:

$$2\frac{1}{2} = \frac{2 \times 2 + 1}{2} = \frac{4 + 1}{2} = \frac{5}{2}$$
 1) multiplying the bottom number by the whole number 2 add the top number 3) keep the bottom number.

Cancel top and bottom. Multiply. Improper fractions simplify by dividing.

Ex.2: 
$$4\frac{1}{4} \times 6 = \frac{17}{2} \times \frac{6}{1} = \frac{51}{2} = 25\frac{1}{2}$$
 Change the mixed number into an improper fraction. Change the whole number into an improper fraction. Cancel. Multiply. Simplify to get the quotient.