You can't multiply mixed #'s. You must have improper fractions & regular fractions.

Steps

1. Write problem horizontally.
2. Change any mixed # into an improper fraction.

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

3. Cross Cancel if possible.

     *simplify diagonally

4. Multiply straight across.
5. Simplify if possible (and no improper fractions.

EX. $1\frac{1}{5} \times \frac{2}{3} = \frac{\cancel{6}^{2}}{5} \times \frac{2}{\cancel{3}_{1}} = \boxed{\frac{4}{5}}$

EX. $\frac{3}{4} \times 2\frac{1}{3} = \frac{\cancel{3}^{1}}{4} \times \frac{7}{\cancel{3}_{1}} = \frac{7}{4} = \boxed{1\frac{3}{4}}$

EX. $2\frac{1}{2} \times 1\frac{1}{3} = \frac{5}{\cancel{2}_{1}} \times \frac{\cancel{4}^{2}}{3} = \frac{10}{3} = \boxed{3\frac{1}{3}}$

EX. $8 \times \frac{3}{20} = \frac{\cancel{8}^{2}}{1} \times \frac{3}{\cancel{20}_{5}} = \frac{6}{5} = \boxed{1\frac{1}{5}}$