

Multiplying Fractions, Mixed & Whole Numbers:

Fraction x Fraction:	$\frac{2}{5} \times \frac{1}{3} = \frac{2}{15}$
Whole Number x Fraction:	$2 \times \frac{1}{4} = \frac{2}{1} \times \frac{1}{4} = \frac{2}{4}$
Fraction x Whole Number:	$\frac{1}{5} \times 4 = \frac{1}{5} \times \frac{4}{1} = \frac{4}{5}$
Mixed Number x Fraction:	$5\frac{2}{5} \times \frac{1}{6} = \frac{27}{5} \times \frac{1}{6} = \frac{27}{30}$
Fraction x Mixed Number:	$\frac{2}{7} \times 2\frac{1}{8} = \frac{2}{7} \times \frac{17}{8} = \frac{34}{56}$
Mixed Number x Whole Number:	$1\frac{2}{7} \times 2 = \frac{9}{7} \times \frac{2}{1} = \frac{18}{7} = 2\frac{4}{7}$
Whole Number x Mixed Number:	$5 \times 3\frac{2}{7} = \frac{5}{1} \times \frac{23}{7} = \frac{115}{7} = 16\frac{6}{7}$
Mixed Number x Mixed Number:	$2\frac{2}{5} \times 1\frac{3}{7} = \frac{12}{5} \times \frac{10}{7} = \frac{120}{35} = 3\frac{15}{35}$

**When multiplying mixed numbers,
you need to convert them to improper fractions first.**

Dividing Fractions, Mixed & Whole Numbers:

Fraction ÷ Fraction:	$\frac{2}{5} \div \frac{1}{3} = \frac{2}{5} \times \frac{3}{1} = \frac{6}{5} = 1\frac{1}{5}$
Whole Number ÷ Fraction:	$2 \div \frac{1}{4} = \frac{2}{1} \div \frac{1}{4} = \frac{2}{1} \times \frac{4}{1} = \frac{8}{1} = 8$
Fraction ÷ Whole Number:	$\frac{1}{5} \div 4 = \frac{1}{5} \div \frac{4}{1} = \frac{1}{5} \times \frac{1}{4} = \frac{1}{20}$
Mixed Number ÷ Fraction:	$5\frac{2}{5} \div \frac{1}{6} = \frac{27}{5} \div \frac{1}{6} = \frac{27}{5} \times \frac{6}{1} = \frac{162}{5} = 32\frac{2}{5}$
Fraction ÷ Mixed Number:	$\frac{2}{7} \div 2\frac{1}{8} = \frac{2}{7} \div \frac{17}{8} = \frac{2}{7} \times \frac{8}{17} = \frac{16}{119}$
Mixed Number ÷ Whole Number:	$1\frac{2}{7} \div 2 = \frac{9}{7} \div \frac{2}{1} = \frac{9}{7} \times \frac{1}{2} = \frac{9}{14}$
Whole Number ÷ Mixed Number:	$5 \div 3\frac{2}{7} = \frac{5}{1} \div \frac{23}{7} = \frac{5}{1} \times \frac{7}{23} = \frac{35}{23} = 1\frac{12}{23}$
Mixed Number ÷ Mixed Number:	$2\frac{2}{5} \div 1\frac{3}{7} = \frac{12}{5} \div \frac{10}{7} = \frac{12}{5} \times \frac{7}{10} = \frac{84}{50} = 1\frac{34}{50}$

**When dividing mixed numbers,
you need to convert them to improper fractions first.**