multiplying fractions

Remember → always turn them into mixed numbers first!!

Examples

① $\frac{3}{7} \cdot \frac{2}{5} = \boxed{\frac{6}{35}}$

You may cross simplify!

② $\frac{1}{4}\cancel{20} \cdot \frac{\cancel{5}^{1}}{\cancel{8}_{2}} = \boxed{\frac{1}{8}}$

③ $4\frac{1}{2} \cdot 2\frac{4}{5} = \frac{9}{2} \cdot \frac{14}{5}^{7} = 63/5 = \boxed{12\frac{3}{5}}$

④ $9 \cdot \frac{3}{5} = \frac{9}{1} \cdot \frac{3}{5} = \frac{27}{5} = 5\frac{2}{5}$

⑤ $3\frac{3}{4} \cdot \frac{5}{6} = \frac{15}{4} \cdot \frac{5}{\cancel{6}_{2}} = \frac{25}{8} = \boxed{3\frac{1}{8}}$

⑥ $\frac{3}{8}\left(\frac{4}{9}\right) = \frac{\cancel{12}}{28}\left(\frac{4}{9}\right)_{3}^{1} = \boxed{1/6}$

means to multiply!