Simplifying Fractions

1. $\dfrac{8 \div 8}{24 \div 8} = \dfrac{1}{3}$

↖ Dividing by the greatest common factor

2. $\dfrac{33 \div 11}{77 \div 11} = \dfrac{3}{7}$

3. $\dfrac{-14 \div 7}{35 \div 7} = -\dfrac{2}{5}$

4. $2\dfrac{8 \div 2}{10 \div 2} = 2\dfrac{4}{5}$

↖ Just simplify this

Multiplying Fractions

Ex. $\dfrac{2}{5} \times \dfrac{3}{4}$ ← multiply numerators
← multiply denominators

$= \dfrac{6 \div 2}{20 \div 2} = \dfrac{3}{10}$

$\dfrac{2}{5} \times \dfrac{3}{4}_2 = \dfrac{3}{10}$

Ex. $-\dfrac{3}{7} \times -\dfrac{2}{5} = \dfrac{6}{35}$

Ex. $\dfrac{-20 \div 10}{} \times \dfrac{32 \div 32}{14 \div 32}$

Ex. $\dfrac{-20^{\div 10}}{30_{\div 10}} \times \dfrac{32^{\div 32}}{64_{\div 32}}$

$\dfrac{-2}{3} \times \dfrac{1}{2} = \dfrac{-2^{\div 2}}{6_{\div 2}} = \boxed{\dfrac{-1}{3}}$