

## Multiplying Rational #s

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- 1) Determine sign of product
- 2) Find product. If fraction is negative, put negative sign with numerator.

$$\text{EX. } \frac{4}{9} \left(-\frac{3}{10}\right) = \frac{4 \cdot -3}{9 \cdot 10} = \frac{-12 \div 6}{90 \div 6} = \boxed{-\frac{2}{15}}$$

$$\text{EX. } -3\frac{1}{5} \left(-2\frac{2}{3}\right)$$
$$\frac{16}{5} \cdot \frac{8}{3} = \frac{128}{15} = \boxed{8\frac{8}{15}}$$
$$\begin{array}{r} 4 \ 16 \\ \times 8 \\ \hline 128 \end{array}$$

$$\text{EX. } -3.4(0.25)$$

$$\begin{array}{r} \times 0.25 \\ \times 34 \\ \hline 100 \\ + 0750 \\ \hline 0.850 \end{array}$$

$$\boxed{-0.850}$$