

Multiply Fractions

① $\frac{7}{8} \cdot \frac{4}{14}$ Read the problem

② $\frac{7}{8} \cdot \frac{4}{14}$ Can diagonal numbers be cancelled (reduced)?

Sometimes only one diagonal will cancel, sometimes both, sometimes none.

A) What number will divide into both 7 and 14? ... 7

$7 \div 7 = 1$
 $\frac{1}{8} \cdot \frac{4}{14 \div 7 = 2} \rightarrow \frac{1}{8} \cdot \frac{4}{2}$

B) What number will divide into both 8 and 4? ... 4

$8 \div 4 = 2$
 $\frac{1}{2} \cdot \frac{4 \div 4 = 1}{2} \rightarrow \frac{1}{2} \cdot \frac{1}{2}$

3) multiply from left to right (multiply the two numerators, multiply the two denominators)

$$\frac{1}{2} \cdot \frac{1}{2} = \frac{1}{4}$$

★ Check to see if you can reduce