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Simplify $1\frac{15}{60}$
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Method 1  
(Long way)

$$1\frac{15}{60} \xrightarrow[\div 5]{\div 5} 1\frac{3}{12} \xrightarrow[\div 3]{\div 3} 1\frac{1}{4}$$

Look for any number which divides into both the top (numerator) and the bottom (denominator). Keep going until only 1 goes into top and bottom.

Method 2  
(Quick way)

$$1\frac{15}{60} \xrightarrow[\div 15]{\div 15} 1\frac{1}{4}$$

Find the largest number that divides into both the top and bottom number. This number is called the Highest Common Factor (HCF).



$$\text{Simplify } \frac{144}{60}$$

Method 1  
(Long way)

$$\frac{144}{60} \xrightarrow{\div 2} \frac{72}{30} \xrightarrow{\div 3} \frac{24}{10} \xrightarrow{\div 2} \frac{12}{5}$$

Method 2  
(Quick way)

$$\frac{144}{60} \xrightarrow{\div 12} \frac{12}{5}$$

