|  | Reducing Fractions |
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| objective 1 | Write a Fraction in Lowest Terms (Reducing) |
|  | Note: A fraction is written in lowest terms or reduced when the numerator and denominator have no common factors other than 1. |
|  | Let's begin with the fraction $\frac{3}{8}$. In this case, |
|  | both the numerator 3 and denominator 8 have |
|  | no common factors other than 1. Therefore, |
|  | this fraction is in lowest terms. |
|  | Now let's look at $\frac{6}{8}$. Here, the numerator |
|  | and denominator have a common factor of 2 . |
|  | To reduce this fraction we divide out the |
|  | common terms between the numerator and |
|  | denominator. $\frac{6}{8}=\frac{6 \div 2}{8 \div 2}=\frac{3}{4}$ |
|  | Notice that dividing both the numerator and |
|  | denominator by the same factor results in an |
|  | equívalent fraction! |
|  | in some cases, we may have to divide out |
|  | common factors more than once to reduce the |
|  | fraction to lowest terms. |
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