

Calculating Common Factors

The object of this game is to score as low a score as possible. You will be give a fraction and it you task to try to simplify the fraction in a few steps as possible. You will be using the TI-73 Calculator to help with the simplifying of the fractions.

After you have completed the first five fractions, challenge your opponent by choosing your own fractions for your opponent to simplify. To determine who wins count the total number of factors you found for each of your fractions. If you can simplify in one step then you will have a lower score than if you need to use several factors to simplify.

Name			Name		
Fraction	Common Factor(s)	Simplified Fraction	Fraction	Common Factor(s)	Simplified Fraction
$\frac{18}{48}$			$\frac{24}{28}$		
$\frac{70}{98}$			$\frac{116}{128}$		
$\frac{72}{108}$			$\frac{84}{164}$		
$\frac{242}{528}$			$\frac{121}{165}$		
$\frac{180}{432}$			$\frac{236}{944}$		
$\frac{144}{168}$			$\frac{242}{440}$		