- * Prime number any whole number greater than 1 that has exactly 2 divisions itself and 1.
 * prime numbers = 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37,...
- * Composite number any whole number greater than 1 that is not a prime number. Always has at least one divisor other than itself and 1.
- * Fraction rational number; where the top number is called the numerator, and the bottom number is called the denominator. (You can not have a 0 on the bottom of a fraction. It is undefined.)

* Fraction in lowest terms — fraction is in lowest terms if the numerator and the denominator have no factors in common other than the number 1.

* Equivalent fractions — fractions that represent the same number are equivalent.

$$e_{x}$$
) $\frac{1}{2} = \frac{2}{4}$

* Equivalent fractions using multiplication — multiplying the numerator and denominator by the same number never changes the value of the fraction.

$$e_{1}$$
 $\frac{3}{4} = \frac{3.5}{4.5} = \frac{15}{40}$ $50... = \frac{3}{4} = \frac{15}{20}$

* Equivalent fractions using division — dividing the numerator and denominator by the same number never changes the value of the fraction.

- * Improper fraction where the numerator is greater than the denominator. $e \times 3$ $\frac{1}{3}$
- * Proper fraction numerator is less than the denominator.

Least common multiple (LCM) — the smallest number that the numbers can divide into evenly.

To type fraction into calculator:

- 1. Press fraction button $\begin{bmatrix} n \\ d \end{bmatrix}$
- 2. Type in numerator
- 3. Press down button, which is on the big oval button.
- 4. Type in denominator
- 5. Press over (right) button, which is on the big oval button
- 6. Press enter.

1. Reduce $\frac{119}{35}$ to lowest terms.

$\frac{119}{35} = \frac{119 \div 7}{35 \div 7} = \frac{17}{5}$ $\frac{35}{5 \div 7}$

* all of the follow problems can be solved on the calculator *

- * Write down the smallest number of your fraction.
- * Then think of numbers that multiply together to get that number.
- * Then pick the largest number that will divide into the bigger number of your fraction evenly.
- * Then divide the top and bottom of your fraction by that number.
- * The answer is the simplified form.

2. Reduce $\frac{140}{50}$ to lowest terms. $\frac{140}{50} = \frac{140 \div 10}{50 \div 10} = \frac{14}{5}$ $\frac{50}{50}$

- * Write down the smallest number of your fraction.
- * Then think of numbers that multiply together to get that number.
- * Then pick the largest number that will divide into the bigger number of your fraction evenly.
- * Then divide the top and bottom of your fraction by that number.
- * The answer is the simplified form.





- * Write down the smallest number of your fraction.
- * Then think of numbers that multiply together to get that number.
- * Then pick the largest number that will divide into the bigger number of your fraction evenly.
- * Then divide the top and bottom of your fraction by that number.
- * The answer is the simplified form.

4. Reduce $\frac{273}{451}$ to lowest terms.



5. Reduce each fraction to lowest terms.

- * Write down the smallest number of your fraction.
- * Then think of numbers that multiply together to get that number.
- * Then pick the largest number that will divide into the bigger number of your fraction evenly.
- * Then divide the top and bottom of your fraction by that number.
- * The answer is the simplified form.



6. Reduce each fraction to lowest terms.



- * Write down the smallest number of your fraction.
- * Then think of numbers that multiply together to get that number.
- * Then pick the largest number that will divide into the bigger number of your fraction evenly.
- * Then divide the top and bottom of your fraction by that number.
- * The answer is the simplified form.