|  |  |
| --- | --- |
| **1)** **FRACTION TO DECIMAL**  Just divide the top of the fraction by the bottom*.*  ***Solved examples:*** | **2) DECIMAL TO FRACTION**  Express as a fraction with denominator 10, 100 or 1000 etc. so that the number of zeros in the denominator matches the number of digits to the **right** of the decimal point in the decimal number. Next, reduce the fraction to lowest terms*.*  ***Solved examples:*** |
| **TRY –** *Convert each fraction to a decimal and round to two decimal places.*  *4/9 =*  *3/7 =* | **TRY** – *Convert each decimal to a fraction.*  0.125 =  3.50 = |
| **3) FRACTION TO PERCENT**  Convert to decimal, then multiply by 100.  Add % symbol right to your answer.  ***Solved examples:***  **½ =** 0.5 🡪 0.5 x 100 = 50%  ¾ = 0.75 🡪 0.75 x 100 = 75% | **4) PERCENT TO FRACTION**  Write the percent over 100 and get rid of the % symbol.  Reduce the fraction.  ***Solved examples:***  25% = 25/100  = ¼  125% = 125/100  = 5/4 |
| **TRY** – Convert each fraction to a percentage.  1/8 =  9/4 = | **TRY** – Convert each percentage to a fraction.  100% =  30% = |
| **5) DECIMAL TO PERCENT**  Multiply by 100 and add % symbol right to your answer.  ***Solved examples:*** | **6) PERCENT TO DECIMAL**  Divide by 100 and get rid of % symbol.  ***Solved examples:*** |
| **TRY** – Convert each decimal to a percentage.  1.00 =  0.125 = | **TRY** – Convert each percentage to a decimal.  200% =  0.05% = |

***Fill in the missing information in the chart.***

|  |  |  |
| --- | --- | --- |
| **Reduced Fraction** | **Decimal** | **Percent** |
|  |  | 9% |
|  |  | 125% |
|  | 0.28 |  |
|  | 0.025 |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  | 1.25% |
|  | 0.002 |  |
|  | 1.075 |  |
|  |  |  |
|  |  |  |

**THINKING**

The book value of 1000 stocks is $18,000. The market value of the investment reaches $22,500 in a year.

**a) What percentage of the original investment is the profit?**

**Book Value:** Total cost of a certain number of stocks when purchased.

**Market Value:** Total cost of a certain number of stocks when sold.

**b) How many stocks does the investor need to sell that would be equivalent to the profit amount?**