|  |  |
| --- | --- |
| **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  = ¼125% = 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 |  |
| $$\frac{5}{8}$$ |  |  |
| $$\frac{1}{3}$$ |  |  |
|  |  | $$5\frac{1}{2}\%$$ |
|  |  | 1.25% |
|  | 0.002 |  |
|  | 1.075 |  |
| $$\frac{12}{13}$$ |  |  |
| $$5\frac{1}{3}$$ |  |  |

**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?**