## **Lesson 33- Percent of a Number**

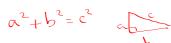
How to find the percent of a number:



- 1) Set up a Proportion
- OR
- 2) Switch the percent to a decimal

1) Proportion:

Step 1: Set up the proportion





**Example**: You got 65% on a test and your teacher is counting that for 25 marks.

$$\frac{65}{100} = \frac{25}{25} = \frac{25}{5} = \frac{25}{$$

2) Percent to Decimal:

divide the percent by 100 Step 1:

multiply the decimal with the number Step 2:

Ex: 20% discount on \$100.00

## Examples:

1. What is 40% of 180 smarties?



2. 2% of 123?

- 3. 75% of 100?
- 4. 15% of \$50.55? 0.55 = \$ 7.58

## Percent of a Number-Word Problems:

5. Joe received 75% on his last math test. What did he get out of 25 points?

6. 80% of the seats at the Bell Center were sold. The total number of seats at the Bell Center is 60 000. How many seats were sold?

7. The school's population is 1800. 25% of the students attended the dance. How many students went to the dance?

How many students did NOT go to the dance? 1800 - 456 = 1350