

## 1 - L. Calculating Rate, Base, and Part

<b>To find the <i>part</i>:</b> Multiply the rate by the base.	Example: What is 60% of 90? Solution: $0.60 \times 90 = 54$
<b>To find the <i>base</i>:</b> Divide the part by the rate.	Example: 60 is 40% of what number? Solution: $60 \div 0.40 = 150$
<b>To find the <i>rate</i>:</b> Divide the part by the base.	Example: What percent is 50 of 15? Solution: $15 \div 50 = 0.30$ or 30%

### Practice Exercises

1. In Mr. Redmond's English class only 8 out of 80 students completed their book report on time. What percent of the students does this represent?
2. Carlos completed 75% of the 112 puzzles in a crossword puzzle book. How many puzzles did he complete?
3. This year membership in the computer club is 410% of what it was last year. If there were 20 members last year, how many members are in the computer club this year?
4. A restaurant gave out coupons for a free meal with the purchase of a second meal. Only 65% of the coupons were redeemed. If a total of 400 coupons were given out, how many free meals did the restaurant have to provide?
5. There are 60 cookies in a box. Of this number, Gabriel and his friends ate 12. What percent of the cookies did they eat?