

Translate each situation into an algebraic equation:

- 1) Ann has the 5 newest music CD's which is 3 less than twice the amount that Bob has. $5 = 2x - 3$
- 2) Mike, who has 6 video games, has half as many games as Paul.
 $6 = \frac{1}{2}x$
- 3) Nan rode the roller coaster 8 times, which was twice as many times as she rode the Ferris wheel. $8 = 2x$
- 4) Janine, who bought \$15 worth of make-up, spent \$6 less than Leah spent. $15 = x - 6$
- 5) Rob, who has all 13 girls' phone numbers that are in his homeroom, has 3 more than half the number of girls' phone numbers that Jay has.
 $13 = \frac{1}{2}x + 3$
- 6) Kate's 85 on her English test was 37 points less than twice the grade on her Science test. $85 = 2x - 37$
- 7) At the Middle School Graduation Dance, the DJ played 12 slow dances, which was equal to the quotient of the number of fast dances and 2. $12 = \frac{x}{2}$
- 8) The 1,840 rock concert tickets sold were twice the amount of jazz concert tickets sold. $1840 = 2x$
- 9) Meg received 90 votes for Student Council President, which were 50 less than twice the amount that Tom received.
 $90 = 2x - 50$
- 10) The 347 students who listed soccer as their favorite sport were 13 less than three times the number of students who listed basketball as their favorite sport. $347 = 3x - 13$