

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. _____
- 2) Mike, who has 6 video games, has half as many games as Paul.

- 3) Nan rode the roller coaster 8 times, which was twice as many times as she rode the Ferris wheel. _____
- 4) Janine, who bought \$15 worth of make-up, spent \$6 less than Leah spent. _____
- 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.

- 6) Kate's 85 on her English test was 37 points less than twice the grade on her Science test. _____
- 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. _____
- 8) The 1,840 rock concert tickets sold were twice the amount of jazz concert tickets sold. _____
- 9) Meg received 90 votes for Student Council President, which were 50 less than twice the amount that Tom received.

- 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. _____

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. $2X - 3 = 5$
- 2) Mike, who has 6 video games, has half as many games as Paul.
 $X/2 = 6$
- 3) Nan rode the roller coaster 8 times, which was twice as many times as she rode the Ferris wheel. $2X = 8$
- 4) Janine, who bought \$15 worth of make-up, spent \$6 less than Leah spent. $X - 6 = 15$
- 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.
 $X/2 + 3 = 13$
- 6) Kate's 85 on her English test was 37 points less than twice the grade on her Science test. $2X - 37 = 85$
- 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. $X/2 = 12$
- 8) The 1,840 rock concert tickets sold were twice the amount of jazz concert tickets sold. $2X = 1,840$
- 9) Meg received 90 votes for Student Council President, which were 50 less than twice the amount that Tom received. $2X - 50 = 90$
- 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. $3X - 13 = 347$