Variables and equations
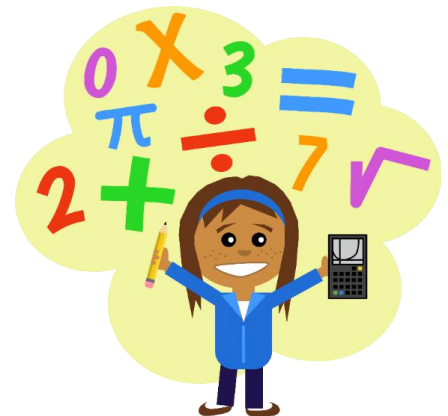
1. There are 16 students in the class. 6 of them are boys. How many girls are there?

2. There are 12 eggs in the carton but 3 are broken. Julian throws away the broken eggs. How many eggs are left in the carton?

3. Tracy was 4 years old three years ago. How old is Tracy now?

4.   Jay had $5, and Lola had $19. How much did they have in total?

5.   Vanessa bought some muffins. Her sister had 4 muffins and her mom had 2 muffins. There were 6 left. How many muffins did Vanessa buy?

6.   Pete had some toy cars. He received 4 more toy cars as Christmas presents. After he gave 2 to his brother, he had 31 toy cars. How many toy cars did he originally have?

Answers

Note: there are several possible correct equations for each problem.

1. $x + 6 = 16$
       $x = 10$
       There are 10 girls in the class.

2. $x = 12 - 3$
       $x = 9$
       9 eggs are left in the carton.

3. $x - 3 = 4$
       $x = 7$
       Tracy is 7 years old now.

4. $x = 5 + 19$
       $x = 24$
       They had $24 in total.

5. $x - 4 - 2 = 6$
       $x = 12$
       Vanessa bough 12 muffins.

6. $x + 4 - 2 = 31$
       $x = 29$
       Pete originally had 29 toy cars.