

Writing Equations from Word Problems

For each word problem, clearly define your variables and set-up an equation. Solve.

1. 5 times the sum of a number and negative 12 is equal to -40. What is the number?

Variable: _____

Equation: _____

Solution: _____

2. You return a book that is 5 days overdue. Including a previously unpaid overdue balance of \$1.30, your new balance is \$2.05. What is the fine for a book that is one day overdue?

Variable: _____

Equation: _____

Final Solution: _____

3. During the basketball season, Jason scored 43 points. He scored 5 fewer points than three times the number Kevin did. How many points did Kevin score?

Variable: _____

Equation: _____

Solution: _____

4. Johnny has three more than twice the number of stickers that Jane has. If all together, they have 51 stickers, how many does each person have?

Variables: _____

Equation: _____

Solution: _____

5. The sum of three consecutive numbers is equal to 192. What are the numbers?

Variables: _____

Equation: _____

Final Solutions: _____

6. Peter has \$25 more than Jacob. Their friend Mike has \$14 less than Jacob. The total amount of money they have is \$272. How much does each boy have?

Variables: _____

Equation: _____

Final Solutions:

Jacob: _____ Peter: _____ Mike: _____