

Chapter 2: Calculations and Variables

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11:33 AM

1. Calculations and Variables

Symbol	Operation
+	Addition
-	Subtraction
*	Multiplication
/	Division

a.

b. Examples

- 1) $20 + 3650 = 3670$
- 2) $20 - 3650 = -3630$
- 3) $20 * 3650 = 73000$
- 4) $20 / 3650 = 0.0055$

c. The order of operations

- i. Use parenthesis to control the order of operations
- ii. Remember PEMDAS (parenthesis, exponents, multiplication, division, addition, subtraction)
 - 1) It tells you what to calculate first, second, third and so on, until the calculation is complete
- iii. Examples
 - 1) $(5 + 30) * 20 = 700$
 - 2) $((5 + 30) * 20) / 10 = 70$
 - 3) $5 + 30 * 20 / 10 = 65$

d. Variables

- i. A place to store information such as numbers, text, lists of numbers and text, and so on
- ii. Examples

- 1) Fred = 100
- 2) John = Fred
- 3) Number_of_coins = 200