Critical Thinking

#2, 3, 4, 8, 10, 13, 15

2.

a) In two statements, declare a variable numBeads and assign it the value 5.

Int numBeads = 0 ;

numBeads = 5;

b) In one statement, declare a variable numBeads and assign it the value 5.

Int numBeads = 5;

3.

13

4.

a) Integer

b) Double

c)Integer

d)Float

e) Boolean

f) Character

8.

a) 9

b) 17

c) -10

d) 2

e) 8

f) 8

g) 4

h) 6

i) 12

10.

a) L = l \* w;

b) P = (R - C) / N;

c) A = (h(b1 + b2)) / N;

d) V = (4 /3) \* PI \* Math.pow(r, 3);

e) A = (F + S + T) / 3;

f) P = (5 \* F) / (4 \* Math.pow(d, 2));

g) A = P + P \* r \* t;

13.

a) total += 10;

b) numStones -= 1;

c) days %= 24;

d) price \*= 1.2;

15.

a) Syntax, double spelled incorrectly.

b) Syntax, no semicolon

c) Syntax error, two equals signs.

d) Logic error, test1 + test2 should be in brackets.

e) Runtime error, division by 0 error.

f) Logic error, numberformat should be .getCurrencyInstance();