

Name : _____

Date: _____

Section 1.1

Part A

Pages 5 and 6

Evaluating Expressions.

Input the value for the variable and solve.

Example:

Evaluate $3x$ for $x=5$

Input Value: $3 \cdot 5$

Solve: 15

Try These:

3) $15x$ when $x=4$

4) $0.4r$ when $r=6$

5) $w - 8$ when $w=20$

6) $1.6 - g$ when $g=1.2$

8) $0.8 + h$ when $h=3.7$

9) $\frac{24}{f}$ when $f=8$

Part B

Exponents

Example:

Write in words, as repeated multiplication and solve.

$$4^3$$

Words: "Four to the third power"

Expand: $4 \cdot 4 \cdot 4$

Solve: $16 \cdot 4$
64

Try These:

17) 7^3

Words:

Expand:

Solve:

26) 3^2

Words:

Expand:

Solve:

27) 10^2

Words:

Expand:

Solve:

28) 1^5

Words:

Expand:

Solve:

30) 5^3

Words:

Expand:

Solve:

32) 2^6

Words:

Expand:

Solve:

Part C

Evaluating Expressions

Input the values and solve

Example:

Evaluate $x + y$ when $x=9$ and $y=5$

Input both values:

$$9 + 5$$

Solve:

$$14$$

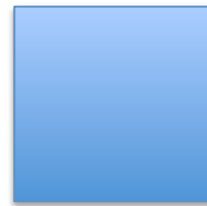
Try These:

40) $x + y$ when $x=11$ and $y=6.4$

41) kn when $k=9$ and $n=4.5$

Word Problems

48) The perimeter of a square with a side length of s is given by the expression $4s$. What is the perimeter of the square shown?



Copy the expression:

Input the value for s :

Solve:

Don't forget the label!!

50) Jen was the leading scorer on her soccer team. She scored 120 goals and had 20 assists in her high school career.

a) The number n of points awarded for goals is given by $2g$ where g is the number of goals scored. How many points did Jen earn for goals?

Copy the expression:

Input the value for g :

Solve:

b) The point total is given by $n + a$ where a is the number of assists. Use your answer from part (a) to find Jen's point total.

Copy the expression:

Input the values for n and a :

Solve: