

Evaluating Expressions

Apply the substitutions and evaluate.

1. $7x - 4$; $x = 9$

2. $3d + (5 - d)$; $d = 4$

3. $8 + 2g - g \div 2$; $g = 6$

For 7–10, evaluate each expression for 2, 6, and 8.

4. $5x$ _____, _____, _____

5. $x + 12$ _____, _____, _____

6. $96 \div x$ _____, _____, _____

7. $x^2 - x$ _____, _____, _____

8. Evaluate the expression for the values of h .

h	6	18	24	42	54
$(h - 6) + h \div 6$					

9. The table shows how much Tia charges for pet sitting. Write an expression to show how much Tia will earn for sitting two dogs for a day and two cats per hour. Then solve for sitting two dogs for the day and one cat for 6 hours.

Number of Pets	Per Day	Per Hour
One dog	\$20	\$7
Two dogs	\$25	\$9
One or two cats	\$15	\$6

10. **Writing to Explain** Tia wrote $20 + 7x$ to find how much she earned for one pet sitting job and $15x$ for another job. Explain the difference between the expressions.

11. Evaluate the expression $6 + 8f$ for $f = 4$.

A 8

B 18

C 38

D 56