

STUDY LINK
4•7

Variables



For Problems 1–3:

- ◆ Find the value of x in the first number sentence.
- ◆ Use this value to complete the second number sentence.

1. $x =$ number of days in a week

2. $x = \frac{1}{10}$ of 100

$x^2 =$ _____

$x * 78 =$ _____

3. $x =$ largest sum possible with 2 six-sided dice

$598 + x =$ _____

4. Count the number of letters in your first name and in your last name.

a. My first name has _____ letters. b. My last name has _____ letters.

c. Find the product of these 2 numbers. Product = _____

Answer the questions in Problems 5–11 by replacing x with the product you found in Problem 4.

5. Is x a prime or a composite number? _____
6. Is $\frac{x}{30}$ less than 1? _____
7. Which is larger, $3 * x$, or $x + 100$? _____
8. What is the median and the range for this set of 3 weights: 30 pounds, 52 pounds, x pounds? _____
9. There are 200 students at Henry Clissold School. $x\%$ speak Spanish. How many students speak Spanish? _____
10. $(3x + 5) - 7 =$ _____
11. True or false: $x^2 > 30 * x$ _____

Practice

12. $3,817 + 168 =$ _____

13. $52,517 - 281 =$ _____

