Writing
Equations

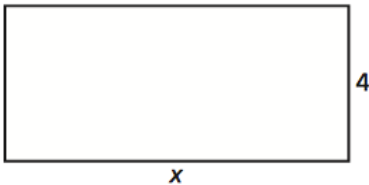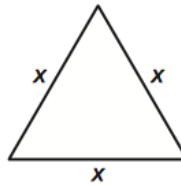**Write the word sentence as an equation.**

1. 27 is 3 times a number y.

2. The difference of a number x and 4 is 3.

3. 8 more than a number p is 17.

4. Half of a number q is 14.

Write an equation that can be used to find the value of x.

5. Perimeter of rectangle: 32 cm

6. Perimeter of triangle: 20 in.

7. You spend $16 on 3 notebooks and x binders. Notebooks cost $2 each and binders cost $5 each. Write an equation you can use to find the number of binders you bought.

Write the word sentence as an equation.

8. 9 times a number b is 36.

9. A number w divided by 5 equals 6.

10. 54 equals 9 more than a number t.

11. 5 is one-fourth of a number c.

12. 11 is the quotient of a number y and 6.

13. 9 less than a number n equals 27.

14. ERROR ANALYSIS Describe the error in writing the sentence as an equation.

> ✗ A number n is 5 more than 12.
> $$n + 5 = 12$$

15. FUNDRAISING Students and faculty raised $6042 for band uniforms. The faculty raised $1780. Write an equation you can use to find the amount a raised by the students.