

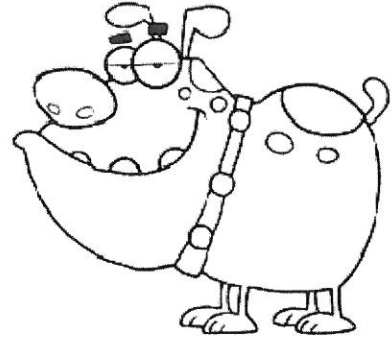
Name: \_\_\_\_\_

Date \_\_\_\_\_

**Topic : Variable Equations - Worksheet 1**

**Write each sentence as an equation.**

- 1 Ten less than a number  $z$  is twenty five.**
- 2 Seven less than a number is sixty.**
- 3 The sum of ten and a number is two less than thirty.**
- 4 Nine more than a number is seventy nine.**
- 5 The sum of  $l$  and 15 is eight less than eighty two.**
- 6 A number minus 7 is ninety nine.**
- 7 The sum of a number and nine is eighty two.**
- 8 The sum of  $f$  and twelve is forty five.**
- 9 A number five times is sixty five.**
- 10 Twice a number is six more than thirty.**



**7.2 Practice A**

Tell whether the given value is a solution of the equation. Write Yes or No

1.  $x + 16 = 20$ ;  $x = 4$

2.  $p - 4 = 28$ ;  $p = 32$

3.  $\frac{y}{6} = 6$ ;  $y = 24$

Solve the equation. Check your solution. Show your work as done in class.

4.  $x - 5 = 9$

Check

5.  $y - 12 = 0$

Check

6.  $q + 8 = 25$

Check

7.  $8 + s = 10$

Check

8.  $r - 3.2 = 1.7$

Check

9.  $8.9 = v + 7.3$

Check

10.  $\frac{1}{3} + n = \frac{2}{3}$

Check

11.  $\frac{2}{4} = \frac{1}{4} + g$

Check

Write the word sentence as an equation. Then solve the equation showing the work as done in class.

16. 20 equals 8 more than a number  $y$ .

17. The sum of a number  $x$  and 12 equals 15.

18. 4 less than a number  $g$  equals 9.

19. A number  $w$  decreased by 10 is 3.