Write a variable expression for each

1. Seventy increased by a number ***p*** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Twelve more than a number***s*** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 3. Number ***e*** subtracted from twenty-three \_\_\_\_\_\_\_\_\_\_\_\_\_
4. Eight times a number ***g***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. The remainder when a number ***r*** is subtracted by nine. \_\_\_\_\_\_\_\_\_\_\_\_\_
6. The quotient when a number ***p*** is divided by nine. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. Sixty-three decreased by a number ***c*** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. The sum of a number ***g*** and seven \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. Twenty-one decreased by a number ***s*** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. Number ***x*** subtracted from twenty-one \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. Ninety times a number ***d*** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
12. Forty increased by a number ***y*** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
13. The remainder when a number ***z*** is subtracted. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
14. The quotient when a number ***x*** is divided by fourteen. \_\_\_\_\_\_\_\_\_\_\_\_\_\_
15. The sum of a number ***x*** and a number ***y***, multiplied by thirty-seven \_\_\_\_\_\_\_\_\_\_
16. The total of a number ***p*** and twelve, divided by eighteen. \_\_\_\_\_\_\_\_\_\_\_\_\_\_
17. 17. The sum of a number ***y*** and ten, divided by the difference when a number ***x*** is decreased by five.

Write a word phrase for the variable expression.

1. 25 + ***x***
2. ***y*** – 16
3. 61- ***m***
4. 15***z***
5. ***r***÷(10-3)
6. (***m – n***)

 2

Writing Equations

Write and solve an equation for “a number divided by five is three.”

Step 1 Identify the variable. Let n – the unknown number

Step 2 – Change the words into symbols A number divided by five is three.

to write the equations. n ÷ 5 = 3.

Step 3- Solve the equation. 5($\frac{n}{5}$ ) = 5 (3)

 n = 15