

Solve the following equations. **SHOW ALL STEPS!!!!**

1. $\frac{2x}{5} = -32$

2. $-8 = -15 + y$

3. $9h + 2 = -88$

4. $10x - 3x + 1 = 29$

5. $9 = m - 3 + 2m$

6. $10 + 3x + 8 = 39$

7. $3 + 2(n - 5) = 13$

8. $44 = 4v + 3(5v + 2)$

9. $-40 = 4(4p - 3) - 2p$

10. $2.4p + 7(p - 2) = -42.2$

11. $5 = \frac{1}{3}(d - 18) + 1$

12. $4x - 2(x - 5) + 1 = 11$

Directions: Circle the equation that best fits the given situation. Then SOLVE the equation.

1) Four less than twice the sum of a number and 3 is -12 .
What's the number?

a. $2n + 3n - 4 = -12$

c. $2(n + 3 - 4) = -12$

b. $2(n + 3) - 4 = -12$

d. $4 - 2(n + 3) = -12$

Solution:

2) Mr. Kelly takes $\frac{1}{5}$ th of the score off of any Unit test that is taken late. If a student who takes a test late received a final grade of 72, what score would the student have received if the test was on time?

a. $s + \frac{1}{5}s = 72$

c. $s - \frac{1}{5}s = 72$

b. $s + \frac{1}{5} = 72$

d. $s + \frac{1}{5} = 72$

Solution:

3) The sum of three consecutive integers is -102 . Find the three integers.

Define Variable :

Equation:

Answer : _____

4) Mr. Bean sells bottles of beard oil for a hobby. Currently, you can buy a bottle $\frac{1}{4}$ off the original price for 12 dollars. How much is the original price?

Define Variable :

Equation:

Answer : _____

5) The length of a rectangle is 12 *cm* more than the width. Find the length of each side of the rectangle if the perimeter is 92 *cm*.

Define Variable :

Equation:

Answer : _____