WORD PROBLEMS WITH EQUATIONS – 1ºESO

1.- The triple of a number decreased seven units is equal to eleven. What is that number?

CHOOSE THE CORRECT OPTION:

EQUATION		SOLUTION	
3x + 7 = 11	3x – 7 = 11	x = -17	x = 4
3x + 7 = -11	3x -7 = -11	x = -4	x = 6

2.- The double of a number increased ten units is equal to four. What is that number?

CHOOSE THE CORRECT OPTION:

EQUATION		SOLUTION	
2x + 10 = - 4	x/2 + 10 = 4	x = -3	x = -7
2x - 10 = 4	2x + 10 = 4	x = 7	x = -12

3.- A number and its next number add up 97. What are these numbers?

CHOOSE THE CORRECT OPTION:

EQUATION		SOLUTION	
x + x = 97	2x = 97	34 and 35	48 and 49
x – (x + 1) = 97	x + (x + 1) = 97	87 and 88	54 and 55

4.- The quarter of a number decreased five units is equal to seven. What is that number?

CHOOSE THE CORRECT OPTION:

EQUATION		SOLUTION	
4x - 5 = 7	4x + 5 = 7	x = 2/4	x = 8
x/4 - 5 = 7	x/4 + 5 = 7	x = 48	x = 36

5.- The triple of a number increased six units is equal to five times of this number decreased ten units. What is that number?

CHOOSE THE CORRECT OPTION:

EQUATION		SOLUTION	
3x – 6 = 5x - 10	3x – 6 = x/5 - 10	x = 12	x = 8
3x + 6 = x/5 - 10	3x + 6 = 5x - 10	x = 2	x = 15