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## Write each as an algebraic equation and solve.

1) a number minus 12 is equal to 7
2) 15 less than $t$ is 46
3) 6 less than $x$ is equal to 36
4) $n$ divided by 8 is equal to 19
5) the difference of a and 4 is equal to 8
6) the quotient of $x$ and 6 is equal to 5
7) the difference of $n$ and 13 is equal to 11
8) the difference of $u$ and 11 is equal to 31
9) the product of a number and 8 is equal to 48
10) the difference of $q$ and 18 is equal to 34
11) 12 more than k is 5
12) a number increased by 6 is equal to 37
13) 11 less than $x$ is 31
14) a number increased by 11 is equal to 19
15) the sum of a number and 10 is equal to 38
16) the product of a number and 11 is 31
17) c decreased by 9 is 6
18) x squared is equal to 9
19) a number plus 5 is 49
