

Practice with mathematical expressions and sentences

Write a mathematical expression or sentence using the variable n for each of the following. Evaluate each expression for $n = 4$. Put a check mark in front of the problems that are mathematical sentences and determine whether the sentence is TRUE or FALSE when $n = 4$.

	Expression/ Sentence	Evaluate when $n = 4$
1) 3 times a number	$3n$	12
2) 3 more than a number	$n+3$	7
3) 3 decreased by a number	$3-n$	-1
4) a number decreased by 3	$n-3$	1
5) 3 less than a number	$n-3$	1
6) one third of a number	$\frac{1}{3}n$	$\frac{4}{3} = 1\frac{1}{3}$
7) 8 more than twice a number	$2n + 8$	16
8) 2 times the sum of a number and 8	$2(n+8)$	24
9) 8 is more than a number	$8 > n$	TRUE
10) 7 less than six times a number	$6n-7$	17
11) 7 less the square of a number	$n^2 - 7$	9
12) 7 is less than a number squared	$7 < n^2$	TRUE
13) a number increased by 3 times the number	$n+3n$	16
14) a number decreased by one half of the number	$n - \frac{1}{2}n$	2
15) a number increased by its square	$n + n^2$	20
16) 4 more than a number is less than 9	$n+4 < 9$	TRUE
17) 10 more than three times a number	$3n+10$	22
18) 10 is more than three times a number	$10 > 3n$	FALSE
19) the fourth power of a number less 12	$n^4 - 12$	244
20) a number cubed	n^3	64
21) the n^{th} power of 3	3^n	81
22) triple a number	$3n$	12
23) the square of a number is less than the cube of the number	$n^2 < n^3$	TRUE
24) 5 less than the square of a number	$n^2 - 5$	11
25) 20 less than the sixth power of a number	$n^6 - 20$	4076
26) 20 is less than the sixth power of a number	$20 < n^6$	TRUE
27) 3 times the sum of twice a number and 8	$3(2n+8)$	48
28) one half of a number is more than 6 less than the number	$\frac{1}{2}n > n-6$	TRUE