

Name

Date



EVALUATE THE EXPRESSION 6:3

Use the order of operations to work out the value of each expression.

EXPRESSION		WHEN	VALUE
Example:	$4(x + 5)$	$x = 2$	$4(2 + 5) = 4 \times 7 = 28$
1)	$3(a + 2)$	$a = 7$	
2)	$6(9 - b)$	$b = 6$	
3)	$4(c + 8)$	$c = 3$	
4)	$8(13 - d)$	$d = 7$	
5)	$10(e - 5)$	$e = 13$	
6)	$4(7 + f - 1)$	$f = 4$	
7)	$6(7 - g + 3)$	$g = 6$	
8)	$8(15 - h - 2)$	$h = 13$	
9)	$15(i - 21)$	$i = 25$	
10)	$5(2 + j)$	$j = 7$	
11)	$2(k - 3^2)$	$k = 10$	
12)	$9(17 - l)$	$l = 10$	
13)	$4(m + 2 \times 5)$	$m = 3$	
14)	$12(n - 6 \times 3)$	$n = 25$	
15)	$6(12 \div 2 + p)$	$p = 4$	
16)	$3(q - 0.4)$	$q = 0.9$	
17)	$8(5^2 - r)$	$r = 16$	
18)	$\frac{1}{2}(s - 2^3)$	$s = 24$	
19)	$3(1 - t)$	$t = 0.4$	
20)	$7(u + 1.5)$	$u = 3.5$	

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EVALUATE THE EXPRESSION 6:3 ANSWERS

EXPRESSION		WHEN	VALUE
Example:	$4(x + 5)$	$x = 2$	$4(2 + 5) = 4 \times 7 = 28$
1)	$3(a + 2)$	$a = 7$	$3(7 + 2) = 3 \times 9 = 27$
2)	$6(9 - b)$	$b = 6$	$6(9 - 6) = 6 \times 3 = 18$
3)	$4(c + 8)$	$c = 3$	$4(3 + 8) = 4 \times 11 = 44$
4)	$8(13 - d)$	$d = 7$	$8(13 - 7) = 8 \times 6 = 48$
5)	$10(e - 5)$	$e = 13$	$10(13 - 5) = 10 \times 8 = 80$
6)	$4(7 + f - 1)$	$f = 4$	$4(7 + 4 - 1) = 4 \times 10 = 40$
7)	$6(7 - g + 3)$	$g = 6$	$6(7 - 6 + 3) = 6 \times 4 = 24$
8)	$8(15 - h - 2)$	$h = 13$	$8(15 - 13 - 2) = 8 \times 0 = 0$
9)	$15(i - 21)$	$i = 25$	$15(25 - 21) = 15 \times 4 = 60$
10)	$5(2 + j)$	$j = 7$	$5(2 + 7) = 5 \times 9 = 45$
11)	$2(k - 3^2)$	$k = 10$	$2(10 - 3^2) = 2 \times 1 = 2$
12)	$9(17 - l)$	$l = 10$	$9(17 - 10) = 9 \times 7 = 63$
13)	$4(m + 2 \times 5)$	$m = 3$	$4(3 + 2 \times 5) = 4 \times 13 = 52$
14)	$12(n - 6 \times 3)$	$n = 25$	$12(25 - 6 \times 3) = 12 \times 7 = 84$
15)	$6(12 \div 2 + p)$	$p = 4$	$6(12 \div 2 + 4) = 6(6 + 4) = 6 \times 10 = 60$
16)	$3(q - 0.4)$	$q = 0.9$	$3(0.9 - 0.4) = 3 \times 0.5 = 1.5$
17)	$8(5^2 - r)$	$r = 16$	$8(25 - 16) = 8 \times 9 = 72$
18)	$\frac{1}{2}(s - 2^3)$	$s = 24$	$\frac{1}{2}(24 - 8) = \frac{1}{2} \times 16 = 8$
19)	$3(1 - t)$	$t = 0.4$	$3(1 - 0.4) = 3 \times 0.6 = 1.8$
20)	$7(u + 1.5)$	$u = 3.5$	$7(3.5 + 1.5) = 7 \times 5 = 35$