

Arithmetic Problems — Multiplication, Addition, and Subtraction

Dr. S. White

Simplify each of the following problems. Write complete and correct steps for all problems. Do not use a calculator. Work the odd problems, if you have any trouble whatsoever also do the even problems. Work all the review problems.

(1) $3 - 2 + 5 - 7$

(2) $-5 + 9 - 2 - 1$

(3) $-3 + 12 + 34 - 9$

(4) $2 - 9 - 4 - 3$

(5) $5 - (-3) + (2) - 9$

(6) $3 - 6 + (2) - (-3) + 2$

(7) $-(-2) - (3 - 2) + 4$

(8) $2 - (-3 + 2) - (3)$

(9) $-(3) + (-3 + 2) - (2 - 4)$

(10) $(2) - (-11 + 2) + (-2 - 3)$

(11) $-3(-7)$

(12) $-12(14)$

(13) $3 - 5(-3)$

(14) $8 - 2(-5)$

(15) $6(-4 + 2)$

(16) $-4(-9 + 6)$

(17) $(-4 + 5)(-2 + 1)$

(18) $(-6 - 11)(5 - 2)$

(19) $-(-2 - (-5))$

(20) $(5 - (2))$

(21) $5 - 3(2 - (-3))$

(22) $4 + 2(5 + (-11))$

(23) $(-4)(-2)(-6)$

(24) $(2)(-11)(-2)$

(25) $2(3) + 5$

(26) $-2(-3) - 7$

(27) $2(-(-5(5 - 9)))$

(28) $-6((-7(-3 - 2)))$

(29) $(3 - 2)(-2 - 9) - (3 + 5)$

(30) $(6 + 1)(-4 + 2) + (9 - 7)$

(31) $7 - 0.4$

(32) $9 - 0.2$

(33) $9.2 - 7.9$

(34) $8.5 - 1.9$

(35) $5.7 - 2.1 + 4.3$

(36) $9.2 - 4.1 + 2.5$

(37) $8(3.4)$

(38) $-2(2.3)$

(39) $25.67 - 6.3$

(40) $31.05 - 5.9$

(41) $3.4(2.1)$

(42) $8.2(3.1)$

(43) $0.12(200) - 0.08(120)$

(44) $0.06(86) - 0.04(44)$

(45) $10(1.3(12) - 2.5(20))$

(46) $100(0.02(30) + 0.4(0.5))$

(47) $100(0.03(20) - 0.5(0.2))$

(48) $100(0.02(30) + 0.4(0.5))$

_____ The following are review problems. Work all of them. _____

(49) $9 - 3 + 2 - 11 - 12$

(50) $-(-3) - (3) - (-5)$

(51) $2.34 - 5.003$

(52) $-3 + 3(2 - 2)$

(53) $3.22(-13.2)$

(54) $-3 - 2(-5 - 3(-2 - 6(3)))$

(55) $1000(0.6(0.12) + 0.142(3))$

(56) $(-3 - 2) - (-3 + 5)(9 - 2)$

(57) $2.3(4.55) - 0.3(8.11)$

Answers: (1) -1 (2) 1 (3) 34 (4) -14 (5) 1 (6) 4 (7) 5 (8) 0
(9) -2 (10) 6 (11) 21 (12) -168 (13) 18 (14) 18 (15) -12 (16) 12
(17) -1 (18) -51 (19) -3 (20) 3 (21) -10 (22) -8 (23) -48 (24) 44
(25) 11 (26) -1 (27) -40 (28) -210 (29) -19 (30) -12 (31) 6.6 (32) 8.8
(33) 1.3 (34) 6.6 (35) 7.9 (36) 7.6 (37) 27.2 (38) -4.6 (39) 19.37 (40) 25.15
(41) 7.14 (42) 25.42 (43) 14.4 (44) 3.4 (45) -344. (46) 80. (47) 50. (48) 80.
(49) -15 (50) 5 (51) -2.663 (52) -3 (53) -42.504 (54) -113 (55) 498.
(56) -19 (57) 8.032