+ SUM UP +

Do any exercise below and find your answer in the code key. Notice the letter above it. Print this letter in the box at the bottom of the page that contains the number of the exercise. Keep working and you will create a special message.

CODE KEY

W	G	H	D	L	S	A	E	O	Y	I	U	T	C	M	R	P	N	F
-18	-15	-13	-10	-8	-7	-6	-4	-3	-1	0	2	3	4	5	7	8	14	17

(1) $-8 + 2 =$
(2) $6 + 8 =$
(3) $5 + -9 =$
(4) $-9 + 1 =$
(5) $-3 + -1 =$
(6) $-1 + 5 =$
(7) $-3 + 6 =$
(8) $9 + -2 =$
(9) $-3 + 3 =$
(10) $-5 + 9 =$
(11) $-7 + -3 =$
(12) $8 + -8 =$
(13) $-1 + -6 =$
(14) $-20 + 7 =$
(15) $-9 + -9 =$
(16) $-7 + 1 =$
(17) $2 + -9 =$
(18) $-9 + -4 =$
(19) $-7 + 3 =$
(20) $3 + 4 =$
(21) $-7 + -8 =$
(22) $4 + -8 =$
(23) $-6 + 9 =$
(24) $-10 + 3 =$
(25) $6 + -7 =$
(26) $-9 + 6 =$
(27) $-3 + 5 =$
(28) $2 + -5 =$
(29) $-7 + 9 =$
(30) $8 + -5 =$
(31) $-1 + -2 =$
(32) $8 + 9 =$
(33) $-8 + 1 =$
(34) $3 + -6 =$
(35) $-2 + 7 =$
(36) $-5 + 1 =$
(37) $-1 + 4 =$
(38) $4 + -7 =$
(39) $-4 + 6 =$
(40) $-9 + -6 =$
(41) $7 + -20 =$
(42) $-15 + 8 =$
(43) $7 + -3 =$
(44) $-1 + 8 =$
(45) $3 + -9 =$
(46) $-1 + 9 =$
(47) $8 + -12 =$
(48) $-3 + -4 =$

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48

NAME _____ DATE _____ PERIOD _____

Lesson 6 Extra Practice

Properties

Property	Symbols	Numbers
Commutative	$a + b = b + a$ $a \cdot b = b \cdot a$	$5 + 3 = 3 + 5$ $5 \cdot 3 = 3 \cdot 5$
Associative	$(a + b) + c = a + (b + c)$ $(a \cdot b) \cdot c = a \cdot (b \cdot c)$	$(2 + 3) + 4 = 2 + (3 + 4)$ $(2 \cdot 3) \cdot 4 = 2 \cdot (3 \cdot 4)$
Identity	$a + 0 = a$ $a \cdot 1 = a$	$5 + 0 = 5$ $5 \cdot 1 = 5$

Determine whether the two expressions are equivalent. If so, tell what property is applied. If not, explain why.

1. $7 \cdot (3 \cdot 2)$ and $(7 \cdot 3) \cdot 2$

2. $16 \div 8$ and $8 \div 16$.

3. $27 \cdot 1$ and 1

4. $16 + 0$ and 16

5. $12 - (5 - 2)$ and $(12 - 5) - 2$

6. 14 and $1 \cdot 14$

7. $32 + 4$ and $4 + 32$

8. $40 \div (8 \div 2)$ and $(40 \div 8) \div 2$