MathFLIX CHALLENGE

Integer Computation: Practice

Use the code in the columns below to solve the 3 puzzles at the bottom of the page. Here are some rules to help you:

Rules for Multiplication and Division: If the numbers in the equation have the same sign, the answer will be positive. If the numbers have different signs, the answer will be negative.

Rules for Addition: Numbers with the same signs should be added together. Numbers with different signs should be subtracted. Always use the sign of the larger number.

Rules for Subtraction: Subtracting a negative number is the same as adding its opposite. To solve: 1) reverse the sign of the subtrahend (second number); and 2) change the equation to addition. Then, simply follow the rules for addition!

Multiplication & Division

A = $^{+}4 \times {}^{+}5 = +20$

B = $^{-}4 \times {}^{-}3 = +12$

C = $^{-}4 \times {}^{+}3 = -12$

D = $^{+}4 \times {}^{-}5 = -20$

E = $^{-}25 \div {}^{-}5 = +5$

F = $^{+}25 \div {}^{-}5 = -5$

G = $^{-}36 \div {}^{-}6 = +6$

H = $100 \div 10 =$ ___

I = $^{-}100 \div 10 =$ ___

J = $100 \times {}^{-}10 =$ ___

K = $^{-}40 \times 10 =$ ___

L = $^{-}50 \times {}^{-}10 =$ ___

Addition

M = $^{+}5 + {}^{+}6 = +11$

N = $^{-}5 + {}^{-}6 = -11$

O = $^{-}5 + {}^{+}6 = {}^{+}1$

P = $^{+}5 + {}^{-}6 = {}^{-}1$

Q = $^{+}6 + {}^{+}1 =$ ___

R = $^{-}6 + {}^{-}1 =$ ___

S = $^{+}6 + {}^{-}2 =$ ___

T = $^{-}6 + {}^{+}2 =$ ___

Subtraction

U = $^{+}6 - {}^{-}3$
$(^{+}6 + {}^{+}3) = 9$

V = $^{+}6 - {}^{+}3$
$(^{+}6 + {}^{-}3) = {}^{+}3$

W = $^{-}6 - {}^{-}3$
$(^{-}6 + {}^{+}3) = {}^{-}3$

X = $^{-}6 - {}^{+}3$
$(^{-}6 + {}^{-}3) = {}^{-}9$

Y = $^{+}5 - {}^{-}3$
$(^{+}5 + {}^{+}3) =$ ___

Z = $^{-}5 - {}^{+}3$
(__ + __) = ___

#1

__	__	__		__	__	__	__	__		__	__	__	__	__		__	__	__		__	__	__	__	__	__
-4	10	5		7	9	-10	-12	-400		12	-7	1	-3	-11		-5	1	-9		-1000	9	11	-1	5	-20

__	__	__	__		__	__	__		__	__	__	__		__	__	__	__		
1	3	5	-7		-4	10	5		500	20	-8	8		-20	1	6	4		

#2

__	__	__	__		__	__		__	__	__	__	__
11	20	-4	10		-10	4		-1	1	-3	5	-7

#3

__	__	__	__	__	__	__	__	__	.	__	__	__	.	__	__	__			
-12	1	9	-11	-4	-20	1	-3	-11		500	9	-12		5	-20	9			