NAME: **TURN IN: MON, 10/17**

Postive & Negative Numbers: Level 2

1. **Add** the following.

a. $-25 + 40 =$ **b.** $-50 + 35 =$ **c.** $-75 + -45 =$ **d.** $30 + -55 =$

2. **On your POD paper,** explain your strategy for <u>adding</u> positive and negative numbers.

3. Use the order of operations to compute the following. **Show your work.**

$-6 \bullet (-4 + 9 \div -3 \bullet 5) =$

The Order of Operations:

Parentheses

Exponents

Multiply & Divide (left to right)

Add & Subtract (left to right)

4. Exponent problems are just muliplication problems! Compute the following:

a. $(-2)^2 =$ **b.** $(-3)^3 =$ **c.** $(-6)^2 =$ **d.** $(-1)^5 =$

5. Let $a = 25$, $b = 5$, $c = -5$, $d = -30$. Start by rewriting each expression with the values replacing the variables, then compute using the order of operations. **Show your work.**

a. $7c + (4a \div c) =$ **b.** $2c + 3(a + d) + 4b =$

6. Compute the following. Give all answers in lowest terms.

a. $-\frac{5}{6} + \frac{1}{3} =$ **b.** $-\frac{3}{8} + -\frac{1}{6} =$ **c.** $\frac{6}{11} \times -\frac{2}{9} =$

d. $-\frac{4}{15} \times -\frac{3}{8} =$ **e.** $-\frac{7}{24} \div \frac{3}{4} =$ **f.** $-\frac{16}{25} \div -\frac{2}{5} =$

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Compute each of the following, then find your answer in the code above the problems. Each time the answer appears, write the letter above it.

You must write your answer next to each problem!

Why do demons and ghouls stay together?

−22	2	−64	−5	0	−1	−20	−60	2

−20	10	−7	−5	66	24	−1

4	2	−1	−6

−61	−60	14	2	0	−22

(T) $-9+3$
(R) $-5\cdot 12$
(I) $20+(-6)$
(L) $-3(-8)$
(A) $-7+(-13)$
(U) $(-2)(3)(-11)$
(H) $-9+(-5)+7$
(M) $(-4)^3$
(D) $(-2)(5)+(-3)(4)$
(G) $(3)(-2)+(-4)(-4)$
(O) $(-1)(-9)+(2)(-7)$
(B) $(4)(5)+(-8)(2)$
(F) $(8)(-5)+(-7)(3)$
(S) $(-2)(-4)+(-3)(3)$
(E) $(-6)(9)+(-8)(-7)$
(N) $(-2)(12)+(3)(8)$

What did Dracula contribute to medicine?

−18	250	400	−26	−8	−28	−18	250	

21	7	15	−8	−28	−54	−9	50	50	−24

−2	50	16	−4	−28

(I) $-4+12+(-1)$
(D) $(2)(-3)(4)$
(H) $-6+(-6)+(-6)$
(U) $(-2)^4$
(A) $(-3)^3+(-1)^2$
(N) $20+(-7)+(-17)$
(E) $(-5)^3(-2)$
(F) $30+(-12)+3$
(C) $-8+3+(-8)+11$
(W) $(-4)(5)(-10)(2)$
(B) $(-3)(2)(-1)(-9)$
(S) $-3+(-7)+(-7)+9$
(R) $(-5)(-7)+(10)(-2)$
(T) $(4)(-6)+(2)(-2)$
(O) $(-5)(-5)+(-5)(-5)$
(L) $(2)(-8)+(-1)(-7)$