Venture 8 Math - Integer Operations Partner Quiz

**No Calculators 😊**

1. Add.

a) -16 + (-4) b) 2 + (-13) c) -15 + 8 d) -17 + (-4) e) -13 + -13

a) \_\_\_\_\_\_\_\_ b) \_\_\_\_\_\_\_\_ c) \_\_\_\_\_\_\_\_ d) \_\_\_\_\_\_\_\_ e) \_\_\_\_\_\_\_\_

2. Subtract.

a) 13 - (-6) b) -12 - 7 c) -9 - (-5) d) 24 - 39 e) 7 - 17

a) \_\_\_\_\_\_\_ b) \_\_\_\_\_\_\_\_ c) \_\_\_\_\_\_\_\_ d) \_\_\_\_\_\_\_\_ e) \_\_\_\_\_\_\_\_\_

3. Multiply. *Note that* $1×2=1∙2=1\left(2\right)=\left(1\right)2=(1)(2)$*.*

a) -4 $∙$ 5 b) -5(-2) c) 7 x (-3) d) -12 x (-10) e) 5(-5)

a) \_\_\_\_\_\_\_ b) \_\_\_\_\_\_\_ c) \_\_\_\_\_\_\_ d) \_\_\_\_\_\_\_\_ e) \_\_\_\_\_\_\_\_\_

4. Divide.

a) -14 ÷ 2 b)  c) 21 ÷ (-7) d)  e) -6 ÷ (-6)

a) \_\_\_\_\_\_ b) \_\_\_\_\_\_ c) \_\_\_\_\_\_ d) \_\_\_\_\_\_ e) \_\_\_\_\_\_

5. Put it all together. BEDMAS. *Show all your work neatly and use = appropriately.*

a. $4(3 – 10) + 2 – 11$ b.$ -2[4 + (-3)-5] $

c. $(5 – 8)[2 – (-2)]$ d. $6×6 – 3[40+(-8)]$

e. $(-2)(-2)(-2) + 12÷6∙2 $ f. $ 12÷(6×2)$

g. $\frac{2∙5-4\left(5\right)}{2\left(5-3\right)}$ h. $4\left(\frac{3}{2}\right)$

6. a. What multiplication statement is b. Draw a tile diagram which models $2-\left(-1\right).$

 being modelled below?



7. Describe a scenario which could be represented by $2(-3)+(-1)$.

Extras. Be careful with some of these! Recall that a power is shorthand for repeated

 multiplication.

a) (-6)2 b) -24 c) (-5)2 d) (-1)72 e) 

a) \_\_\_\_\_\_ b) \_\_\_\_\_\_ c) \_\_\_\_\_\_\_ d) \_\_\_\_\_\_\_ e) \_\_\_\_\_\_\_