

Multiply Integers 2

1. Complete the little multiplication 'rules'.

$$\ominus \times \oplus =$$

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2. Write each addition as a multiplication and solve.

a. $-2 + -2 + -2 + -2$

b. $-11 + -11$

c. $-100 + -100 + -100$

3. Multiply.

a. 4×-2

b. -2×11

c. -3×-10

d. -1×-100

e. $8(-2)$

f. $-2(-7)$

g. $(-3)10$

h. $(-1) \times (-1)$

4. Continue and fill the tables!

a.	<u>x</u>	<u>2x</u>	b.	<u>y</u>	<u>(-3)y</u>	c.	<u>a</u>	<u>5a + 1</u>
	3	2(3) = 6		3	(-3)(3) = -9		2	5(2) + 1 = 11
	2	2(2) =		2	(-3)(2) =		1	5(1) + 1 = 6
	1	2(1) =		1	(-3)(1) =		0	
	0	2(0) =		0	(-3)(0) =		-1	
	-1	2(-1) =		-1	(-3)(-1) =		-2	
	-2			-2			-3	
	-3			-3			-4	
	-4			-4			-5	

5. Calculate.

a. $4 \times (-10) + 80$

b. $(-5) \times 11 - 40$

c. $45 + (-3) \times (-10)$

6. Evaluate the expressions when $x = (-10)$ and $y = 2$.

a. xy

b. $-xy$

c. $100 - xy$

d. $xy - 20$

7. Multiply many numbers!

a. $(-10) \times 5 \times (-2)$

b. $4 \times (-4) \times 0 \times (-9)$

c. $100 \times (-1) \times (-3)$

d. $(-3) \times (-2) \times (-5) \times (-2)$

e. $2 \times (-5) \times (-10) \times 5 \times (-3)$

f. $2 \times (-3) \times 4 \times (5)$

8. Solve the equations.

a. $(-10)y = 100$

b. $4a = -36$

c. $z(-7) = -49$

d. $-3w = (-48)$

e. $-5x = -55$

f. $8z = -64$