

Concept: Multiplying Integers

Name:

COMPUTER COMPONENT

Instructions: Select the computer program *Understanding Whole Numbers and Integers* (Neufeld)
Follow the instructions to the Main Menu.
Select *Multiplying Integers* from the Main Menu.



Work through all sections of the following topics **in order**:

- *Multiplication Is ...*
- *The Multiplication Table*
- *Order in Multiplication*
- *Summary #1 ... Signs*
- *Negative X Negative ... Note Patterns*
- *Summary #2 ... Signs*
- *Example Questions*
- *Word Problems*
- *Practice Questions*



As you work through the computer exercises, make your own notes in your notebook.

When you reach the end of the section *Practice Questions* on the computer, move on to the **OFF COMPUTER EXERCISES** portion of this handout.

OFF COMPUTER EXERCISES

1. Circle the correct answer for each of the following statements:

(a) The order of the numbers in multiplication...

- (i) does matter. (ii) does not matter.

(b) When faced with a multiplication question containing more than two integers, you may...

- (i) multiply in pairs (ii) add

2. Fill in the chart.

Type of Integer	Multiplied By	Type of Integer	Is Equal To	Sign of the Answer
positive	x	positive	=	
positive	x	negative	=	
negative	x	positive	=	
negative	x	negative	=	

3. Multiply.

(a) $(3) \times (5) =$

(b) $(-3) \times (4) =$

(c) $(-8) \times (-4) =$

(d) $(6) \times (-8) =$

(e) $(-12) \times (-3) =$

(f) $(-4) \times (6) =$

(g) $(4) \times (8) \times (-1) =$

(h) $(-2) \times (3) \times (4) =$

(i) $(-3) \times (-2) \times (-2) =$

(j) $(4)(0)(-2) =$

(k) $(-2)(-2)(-2) =$

(l) $(-2)(3)(-6) =$

(m) $(6)(-8)(5) =$

(n) $(-1)(-1)(-1)(-1) =$

(o) $(-2)(-5)(2)(1) =$

(p) $(-2)(3)(-1)(8) =$

(q) $(3)(2)(-7)(4) =$

(r) $(-2)(8)(-6)(-5) =$

4. Four students in a class of 28 have their driver's license. If each student drives a car that can seat 5 people, how many students will be able to get a ride to the mall at lunch?

5. Meredith loses her allowance each week that she doesn't do her chores.

Meredith's allowance is \$8 per week.

If Meredith hasn't done her chores in 6 weeks, how much money has she lost?

6. Bob earns \$9/hour at his job. He always works 30 hour per week.

How much does Bob earn in 4 weeks?