

Concept: Dividing Integers

Name:

COMPUTER COMPONENT

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



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

- *Division to Multiplication*
- *The Division Table*
- *The Inverse of Multiplication*
- *Summary #1 ... Signs*
- *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** below.

OFF COMPUTER EXERCISES

1. Use a dictionary to find definitions for the following mathematical terms:

inverse (*Division is the inverse of multiplication*)

quotient (*The quotient of two integers ...*)

2. Fill in the blanks.

(a) The quotient of two integers with the same signs is _____.

(b) The quotient of two integers with different signs is _____.

3. Divide.

$$(a) (+63) \div (-7) =$$

$$(b) 45 \div (-5) =$$

$$(c) (-36) \div (+6) =$$

$$(d) (-72) \div (-8) =$$

$$(e) (+48) \div (+12) =$$

$$(f) (-32) \div 4 =$$

$$(g) \frac{(+50)}{(+5)} =$$

$$(h) \frac{(-44)}{(-11)} =$$

$$(i) \frac{(+4)}{(-1)} =$$

$$(j) \frac{(+21)}{(-7)} =$$

$$(k) \frac{(+90)}{(-2)} =$$

$$(l) \frac{(-81)}{(-9)} =$$

$$(m) \frac{(-1)}{(-1)} =$$

$$(n) \frac{(-88)}{(+4)} =$$

4. Kim's dad is trying to lose weight by eating a well-balanced diet and following a regular exercise program. If Kim's dad loses 56 pounds in 28 weeks, how much weight is he losing per week?

5. Daniel got paid \$60 for babysitting 12 hours. How much did he earn per hour?