

6. Multiplication of signed numbers

Rule	Example
A. $(+)(+) = + \rightarrow (4)(5) = 20$	
B. $(+)(-) = - \rightarrow (4)(-5) = -20$	
C. $(-)(+) = - \rightarrow (-4)(5) = -20$	
D. $(-)(-) = + \rightarrow (-4)(-5) = 20$	

7. Division of signed numbers

Rule	Example
A. $\frac{(+)}{(+)} = + \rightarrow \frac{20}{5} = 4$	
B. $\frac{(+)}{(-)} = - \rightarrow \frac{20}{-5} = -4$	
C. $\frac{(-)}{(+)} = - \rightarrow \frac{-20}{+5} = -4$	
D. $\frac{(-)}{(-)} = + \rightarrow \frac{-20}{-5} = 4$	

Unit 45 Practice Problems

1A) $ -5 =$	1B) $ 0 =$	1C) $ -8 =$
Choose the correct symbol ($<$, $=$, $>$) to complete these statements.		
2) $5 \underline{\hspace{1cm}} -3$	3) $-8 \underline{\hspace{1cm}} -2$	4) $-3 + 7 \underline{\hspace{1cm}} 7 - 3$
Solve these problems.		
5) $-9 + 5 =$	6) $-16 - (-12) =$	7) $-7 + (-8) =$
8) $6 - (-10) =$	9) $-8 - (9) - (-4) =$	10) $(7)(-4) =$
11) $(-4)(-6) =$	12) $(27) \div (-9) =$	13) $(-25) \div (-5) =$
14) Which number is between -22.7 and -23.04 ? A) -22.5 B) -22.81 C) -23.42 D) -22.03 Answer <u> </u>		15) $3 + (-5) - (2) =$
16) $-2 - 3 + 7 =$	17) $-3(2) + 6 =$	18) $2(0) - 5 =$

Unit 45 answers are on page 240.

Unit 45 additional practice problems are on page 200.