

## Multiplying and Dividing Integers

If both integers have the same sign, the answer is positive.

If the integers have different signs, the answer is negative.

1.  $(14)(-3)$

$(-42)$

2.  $(-80)/(-10)$

$(8)$

3.  $(-12)/(-4)$

$(3)$

$$\overset{K}{-7} + \overset{C}{+12} = 5$$

$$\overset{K}{5} + \overset{C}{+19} = 24$$


$$\begin{array}{r} 7 \\ \hline -2 \quad 5 \end{array}$$

$(-1) \times 2 = -2$	$(-7) \times 0 = 0$	$(-7) \times 7 = -49$	$8 \times (-4) = -32$
$(-3) \times (-18) = 54$	$5 \times 13 = 65$	$2 \times 1 = 2$	$(-8) \times (-19) = 152$
$(-8) \times (-7) = 56$	$20 \times (-9) = -180$	$11 \times (-1) = -11$	$9 \times (-4) = -36$
$(-11) \times 12 = -132$	$3 \times (-2) = -6$	$(-5) \times 9 = -45$	$16 \times 5 = 80$
$(-10) \times 1 = -10$	$6 \times (-12) = -72$	$(-6) \times 3 = -18$	$(-6) \times (-9) = 54$
$11 \times (-16) = -176$	$1 \times (-19) = -19$	$17 \times (-5) = -85$	$(-13) \times (-5) = 65$
$10 \times (-8) = -80$	$(-10) \times (-9) = 90$	$10 \times 12 = 120$	$5 \times (-11) = -55$
$(-14) \times 1 = -14$	$17 \times 7 = 119$	$4 \times 2 = 8$	$(-8) \times (-2) = 16$

$20 \div 2 = 10$	$30 \div (-10) = -3$	$(-50) \div (-10) = 5$	$24 \div (-6) = -4$
$288 \div (-18) = -16$	$(-85) \div (-5) = 17$	$(-36) \div 4 = -9$	$117 \div 13 = 9$
$136 \div (-8) = -17$	$(-171) \div 19 = -9$	$240 \div 15 = 16$	$(-64) \div 16 = -4$

Can we divide by zero?



No, cannot  
make something  
into nothing.

☺  $x \div 0 \rightarrow$  undefined  
dne  
does not exist

$0 \div x = 0$

$-(p/q) = -p/q = p/-q$

$-\frac{1}{2} \quad -\frac{1}{2} \quad \frac{1}{-2}$

Test  
next Tues

WB: pp. 65-66  
C1192

HW: WB p. 67 evens