PRINCIPLES - LESSON 1C MULTIPLYING & DIVIDING REAL NUMBERS

2(4) = 82 (3) = 6 2(2) = 42(1) = 22(0) = 0 $2(-1) = -\lambda$ 2(-2) = -22(-3) = -6







POSITIVE · NEGATIVE = NEGATIVE

Simplify. ex1) **3 (-4) =** ex2) -**8 · 5** = ex3) (-3.56)(0.4) =(

WHAT DO YOU GET WHEN YOU <u>DIVIDE</u> ONE POSITIVE AND ONE NEGATIVE?



The sign rules for division are identical to the rules for multiplication. Dividing one positive and one negative also gives a negative.











MULTIPLYING OR DIVIDING MORE THAN TWO NEGATIVES

(-1)(-1) = (1)(-1)(-1)(-1) = (-1)

What is the rule for multiplying or dividing more than two negative numbers?

(-1) (-1) (-1) =

$\begin{array}{c} (-1) \ (-1) \ (-1) \ (-1) \ (-1) = \end{array}$ $\begin{array}{c} (-1) \ (-1) \ (-1) \ (-1) \ (-1) \ (-1) = \end{array}$

MULTIPLYING OR DIVIDING MORE THAN TWO NEGATIVES

ex9)
$$3(-2)(-8)(9) = (-32)$$

even number of negatives (+)

ex10] -6 (-1) (4) (-3) (5) = -360odd number of negatives (-)

ex11) 5 (-3) (-6) (-10) (0) (4) (-14) = () rvins the whole thing



Try both of these problems in your calculator.







