Anteger Multiplication and Division





INTEGER MULTIPLICATION

SAME signs... Equals a POSITIVE

$+ \times + = +$

$$- \times - = +$$

DIFFERENT signs... Equals a NEGATIVE

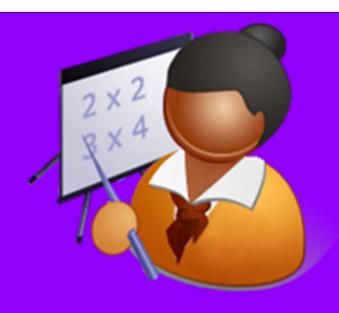
$$+ \times - = -$$

$$- \times + = -$$

INTEGER DIVISION

| SAME signs Equals a POSITIVE | DIFFERENT signs Equals a NEGATIVE |
|------------------------------|-----------------------------------|
| + ÷ + = + | + ÷ - = - |
| - ÷ - = + | - ÷ + = - |

There aren't any tricky rules for multiplication and division of integers ...



Let's say it together....

SAME signs = POSITIVE DIFFERENT signs = NEGATIVE

A Way To Remember the Signs for Multiplying and Dividing

Think of shoes....

Do they match? Or do you have one of each?

MATCHING



NOT MATCHING



When shoes match...that is a <u>POSITIVE</u> thing
When shoes don't match...that is a <u>NEGATIVE</u> thing

<u>SAME GOES WITH THE SIGNS OF YOUR</u>

INTEGERS!!!!

Time For WHITEBOARD Practice!!

Solve each expression using multiplication or division.



Pizzaz Bridge to Algebra pg. 32