Division of Integers follows the same rules as multiplication: If the signs of the numbers are the same, the answer is positive. If the signs of the numbers are different, the answer is negative.

- Dividing numbers that have the ***same signs*** results in the quotient being **POSITIVE.**
- Dividing numbers that have ***different signs*** results in the quotient being **NEGATIVE.**

$\frac{(+)}{(+)} = (+)$ $\quad\quad$ $\frac{(+)}{(-)} = (-)$

$\frac{(-)}{(-)} = (+)$ $\quad\quad$ $\frac{(-)}{(+)} = (-)$

Example 5: Simplify the following.

a) $\frac{-27}{-9}$ $= 3$

b) $\frac{30}{-5}$ -6

c) $(-21) \div (-3) =$

7

d) $5\overline{)-395}$

-79

Example 6

You have three children. You want to give your children $12, divided evenly between each child. How much money will each child receive?

$\$12 \div 3$

$= \$4.00$