## **DIVISION BETWEEN INTEGERS**

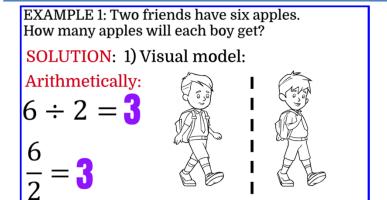
TEXAN GLOBAL SCHOOL Global Online Learning DIVISION: The division of two numbers is the product of a num-

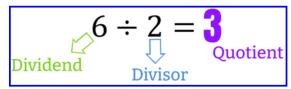
ber with the multiplicative inverse of another number. If we divide two real numbers "a" and "b" results "c" which also belongs to the set of Real numbers. Hence:

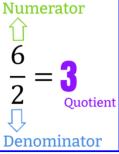
$$\forall \ a,b,c \in \mathbb{R}, b \neq 0; \ a \cdot (b^{-1}) = a \cdot \left(\frac{1}{b}\right) = \frac{a}{b} = a \div b = c$$

The division starts from a multiplication. Hence:

$$\forall a, b, c \in \mathbb{R}, b \neq 0; \frac{a}{b} = c \Longleftrightarrow a = b \cdot c$$



















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