DIVISIBILITY

A number is said to be divisible by another number if there is no remainder after the division has occurred.

ex: 12 is divisible by 2 as $12 \div 2 = 6$ 14 is NOT divisible by 5 as $14 \div 5 = 2$ rem 3

If the division divides the dividend exactly, then the divisor is said to be a factor of that number. ex: in the example above, 2 is a factor of 12

DIVISION NOTATION



Another way of representing this information is $27 = 4 \times 6 + 3$

DIVISIBILITY - KEY TERMS

- DIVIDEND: the starting number; the total; the amount you have
- DIVISOR: the number doing the dividing; the number of groups
- QUOTIENT: the number of times the divisor went into the dividend
- **REMAINDER**: the number left over; the number remaining

