

# Mathematical Language

The number that results when 5 is reduced by a number

$$N = 5 - x$$

you can't reuse variables  
the result is a different number than the one that is reducing 5

The resultant from subtracting a number from 11

$$R = 11 - x$$

The difference of 5 and 3 goes first

$$5 - 3$$

subtraction doesn't commute

Seven increased by 3  $7 + 3 = 3 + 7$   
addition does commute

ditto  $5 + 3 = 3 + 5$

The quotient of 1.1 and 2.5

$$\frac{1.1}{2.5}$$

numerator first on top      denominator second on bottom

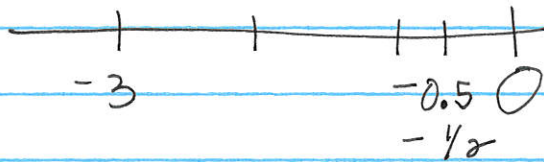
# Mathematical Language p. 2

$$3 - 5 < 0 \quad \text{while} \quad 5 - 3 > 0$$

$$7 - 4 > 0 \quad 4 - 7 < 0$$

$$\frac{5}{6} \neq \frac{4}{5} \quad \text{the first mentioned is the numerator}$$

$$-3 < -0,5 = -\frac{1}{2}$$



Vocabulary

$$\frac{\sqrt[3]{8}}{\sqrt{16}} \quad \text{numerator}$$

denominator

$$\frac{\sqrt[3]{2^3}}{\sqrt{4^2}}$$

$$\frac{2}{4} = \frac{1}{2} = 0,5$$

the factors: 1, 20, 4

$$\frac{1}{10} \cdot 20 = 2 \times 4 = \underline{\underline{8}}$$

resultant