

# CROSS-MULTIPLYING

- SHORT-CUT TO SOLVING ALGEBRAICALLY
- ONLY FOR "REACTION = REACTION"

$$\frac{A}{B} = \frac{C}{D}$$

"MULTIPLY ACROSS & DIVIDE BY LEFTOVER NUMBER"

ex)

$$\frac{9}{15} = \frac{6}{n}$$

$$n = (15)(6) \div 9$$

$$n = 10$$

ex)

$$\frac{12}{18} = \frac{n}{30}$$

$$n = (12)(30) \div 18$$

$$= 20$$

$$f \cdot e = n$$

$$9 \div (4) = n$$

$$\div 9 \quad \times \quad \frac{n}{4}$$

ex)