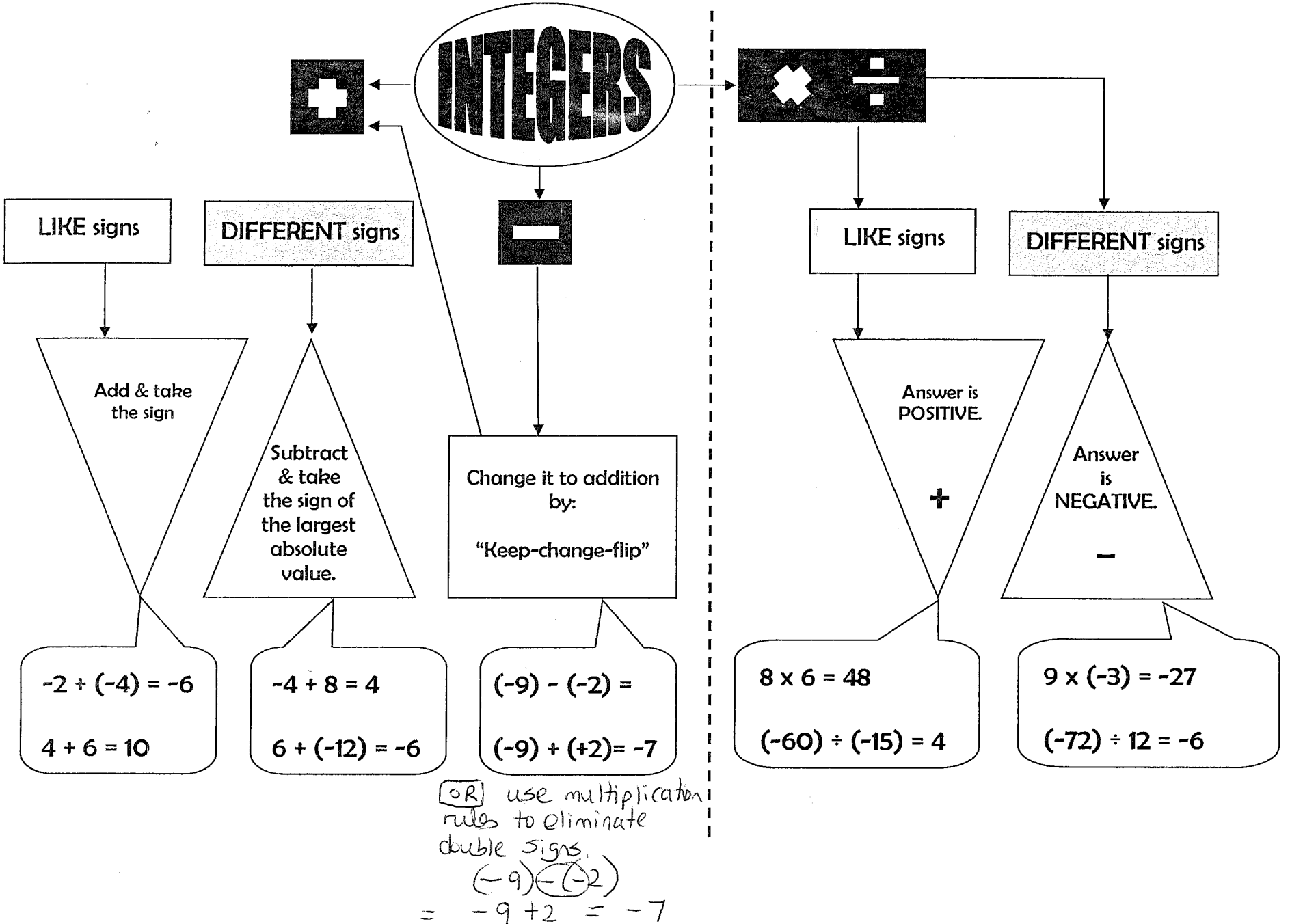
INTEGER RULES



Exponents

$-2^4 = -\boxed{2^4}$

$= -16$

$(-2)^4 = (-2)(-2)(-2)(-2) = +16$

If the base is negative and in a bracket then the answer will be positive if the exponent is even and negative if the exponent is odd

So $(-2)^3 = -8$

but $(-2)^4 = +16$

Any number with an exponent of $0 = 1$

$(2)^0 = 1$

$(-2)^0 = 1$

Any number with an exponent of 1 = the number itself.

$(2)^1 = 2$

$(-2)^1 = -2$

order of Operations (BEDMAS)

→ reminder if [( )] do inside brackets first

→ 2(6) or (2)(6) means multiply

→ $\frac{(-5) \times (+8)}{(-20)}$ } solve numerator, solve denominator and divide

i.e $[-8 - (-6)]^2 + 3 \times (-4)$

Bs $[-8 + 6]^2 + 3 \times (-4)$

BA $[-2]^2 + 3 \times -4$

E $4 + 3 \times -4$

M $4 + -12$

A -8

i.e $\frac{(3+4) \times 4}{14 \div (5-3)}$

B $\frac{7 \times 4}{14 \div 2}$

M $\frac{28}{7}$

D 4

other personal reminders