SEC 2.1C ADDING/SUBTRACTING DECIMALS p. 48

ex) $-2.3 + 1.5$

← MOVE RIGHT 1.5 PLACES

↑ STARTING POSITION

$1.5 = \dfrac{15}{10}$

10 ← # LINE IS ÷ INTO.

15 ← MOVE RIGHT IS PLACES

ANSWER = −0.8

SHORTCUT:

OR =
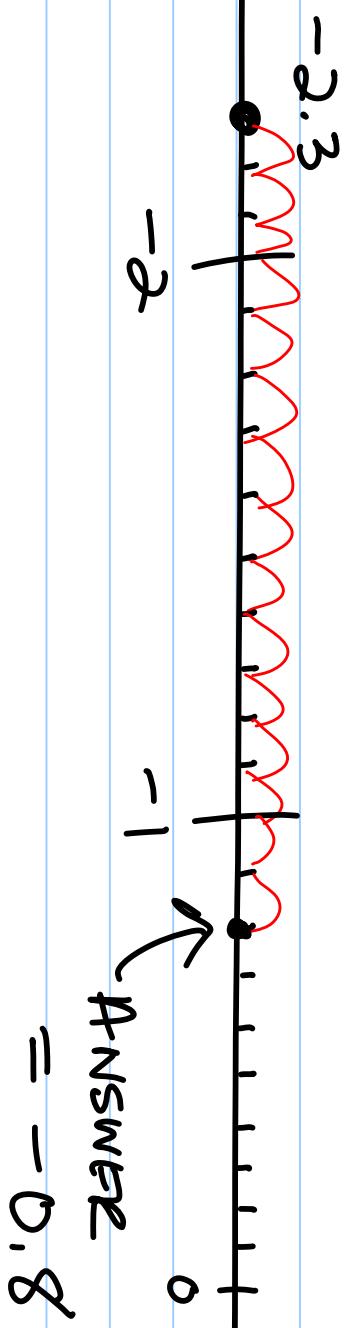
① BECAUSE THE SIGNS ARE DIFF.,
SUBTRACT THE DECIMALS

② DECIDE ON SIGN

$$\begin{array}{r} -\,2.3 \\ 1.5 \\ \hline -\,0.8 \end{array}$$

✶ DECIMALS
MUST
LINE UP!

$1.4 + (-2.1) \iff 1.4 - 2.1$

SAME AS

ex)
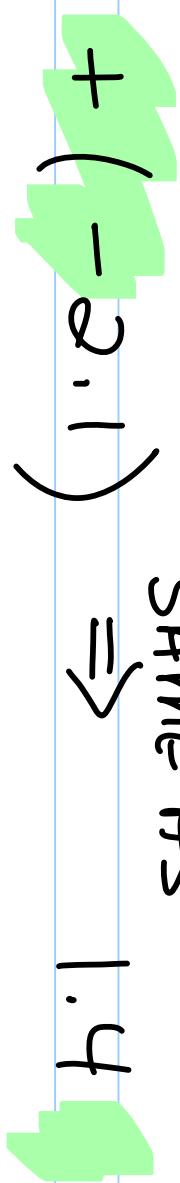
SIGNS DIFF.

$\cancel{2.1^{1}} = \longleftarrow$ WHAT YOU HAVE MORE
1.4   OF GOES ON TOP!
___
−0.7 $\longleftarrow$ DECIDE ON SIGN
(WHAT DID YOU HAVE
MORE OF TO BEGIN WITH?)

ex)   −1.6 + (−0.8) $\Longrightarrow$ −1.6 − 0.8
                 SAME
                 AS

① B/C THE SIGNS ARE THE SAME, ADD
THE DECIMALS

(2) KEEP THE SIGN

$$\frac{6.1}{0.8}$$
$$\begin{array}{r} 6.1 \\ 0.8 \\ \hline -4.2 \end{array}$$