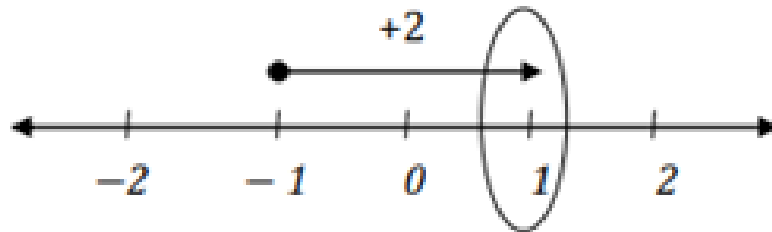


Adding Integers:

a). $(-1) + (+2)$ \longrightarrow

let's try using a number line (from gr. 7)

- start at the first integer
- go left for adding a positive
- go right for adding a negative



Answer = +1

b). $(-2) + (-6) = -8$

$2 + 6 = 8$

c). $(-7) + (+4) = -3$

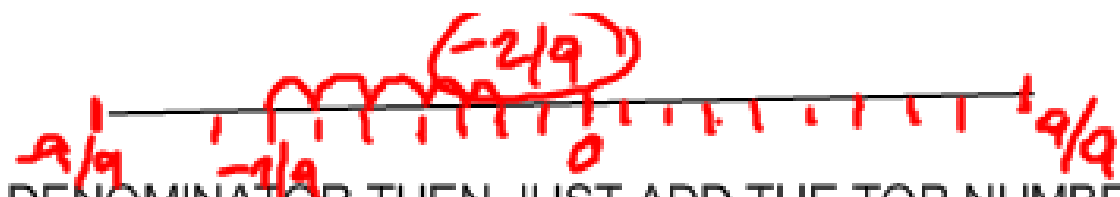
$7 - 4 = 3$

Same sign: ADD and keep the sign

DIFFERENT SIGN: SUBTRACT and keep sign of bigger number

ADDING FRACTIONS:

NEED A COMMON DENOMINATOR THEN JUST ADD THE TOP NUMBERS



$$\text{a). } \frac{-7}{9} + \frac{5}{9} = \frac{-2}{9}$$

$$\text{b). } \frac{2}{5} + \frac{-3}{5} = \frac{-1}{5}$$



$$\text{c). } \frac{-7}{8} + \frac{3}{4}$$

$$\frac{-7}{8} + \frac{3 \times 2}{4 \times 2}$$

$$\frac{-7}{8} + \frac{6}{8} = \frac{-1}{8}$$

d)

$$-3\frac{1}{3} + 2\frac{5}{6} \rightarrow -\left(\frac{3}{3} + \frac{3}{3} + \frac{3}{3} + \frac{1}{3}\right)$$

$$\frac{-10}{3} + \frac{17}{6}$$

$$\frac{-10 \times 2}{3 \times 2} + \frac{17}{6}$$

$$\frac{-20}{6} + \frac{17}{6} = \frac{-3}{6}$$

Try These!

a). $1\frac{1}{2} + (-2\frac{1}{3})$

b). $\frac{3}{8} + \frac{7}{6}$

c). $\frac{-3}{2} + \frac{1}{6}$

d). $0.\overline{67} + 0.3$

Answers: a). $\frac{-5}{6}$ b). $\frac{37}{24} = 1\frac{7}{24}$ c). $\frac{-8}{6} = \frac{-4}{3}$ d). 967/990