

# Integers - Video #1

Good day: have +  
Bad day: debt -



Numberline:



## Part A:

$$\begin{aligned} \text{A) } 6 + 5 \\ = +11 \end{aligned}$$

$$\begin{aligned} \text{B) } 7 - 3 \\ = +4 \end{aligned}$$

$$\begin{aligned} \text{C) } \underbrace{-3}_{\text{debt } \$3} + \underbrace{7}_{\$7} \\ = +4 \end{aligned}$$

$$\begin{aligned} \text{D) } \underbrace{-5}_{\text{debt } \$5} - \underbrace{2}_{\$2} \\ = -7 \end{aligned}$$

$$\begin{aligned} \text{E) } -10 + 4 \\ = -6 \end{aligned}$$

$$\begin{aligned} \text{F) } \underbrace{-10}_{\text{debt } \$10} - \underbrace{15}_{\$15} \\ = -25 \end{aligned}$$

$$\begin{aligned} \text{G) } \underbrace{-63}_{\text{debt } \$63} + 10 \\ = -53 \end{aligned}$$

## Part B: "Double Signs"

$$\begin{aligned} \text{a) } 2 + (+3) \\ = 2 + 3 \\ = 5 \end{aligned}$$

$$\begin{aligned} \text{d) } 2 - (-3) \\ = 2 + 3 \\ = 5 \end{aligned}$$

$$\begin{aligned} \text{b) } 2 + (-3) \\ = 2 - 3 \\ = -1 \end{aligned}$$

$$\begin{aligned} \text{e) } -5 + (-3) - (-7) \\ = -5 - 3 + 7 \\ = -8 + 7 \end{aligned}$$

$$\begin{aligned} \text{c) } 2 - (+3) \\ = 2 - 3 \\ = -1 \end{aligned}$$

$$= -1$$

Rule:

• If the signs are the SAME } replace with a single POSITIVE sign

• If the signs are DIFFERENT } replace with a single NEGATIVE sign

## PART B: "Double Signs"

↳ Rule:

- if the signs are **SAME** → a single **positive sign**
- if the signs are **DIFFERENT** → a single **negative sign**.

$$\begin{aligned} \text{a) } & 2 + (+3) \\ & = 2 + 3 \\ & = 5 \end{aligned}$$

$$\begin{aligned} \text{b) } & 2 + (-3) \\ & = 2 - 3 \\ & = -1 \end{aligned}$$

$$\begin{aligned} \text{c) } & 2 - (+3) \\ & = 2 - 3 \\ & = -1 \end{aligned}$$

$$\begin{aligned} \text{d) } & 2 - (-3) \\ & = 2 + 3 \\ & = 5 \end{aligned}$$

$$\begin{aligned} \text{e) } & -5 + (-3) - (-7) \\ & = -5 - 3 + 7 \\ & = -8 + 7 \\ & = -1 \end{aligned}$$

### YOU TRY

1)  $2 - (-7)$

2)  $6 - 17$

3)  $4 + (-10)$

4)  $-12 + (-6)$

5)  $7 + (+12)$

Answers:

1) 9    2) -11    3) -6

4) -18    5) 19