



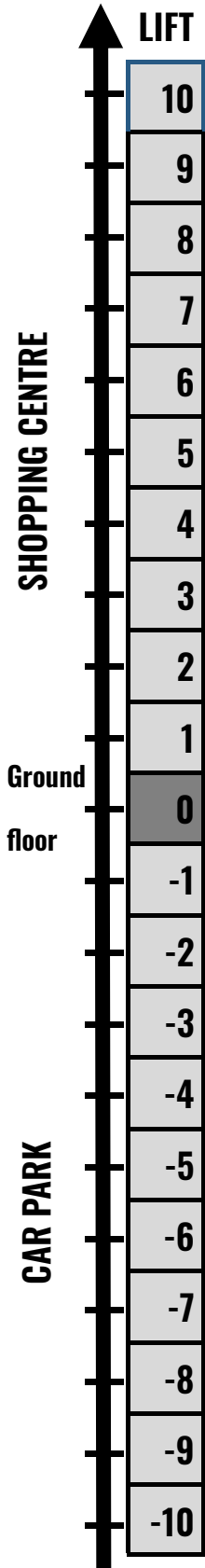
Edu Plus

www.eduplusclub.com

DIRECTED NUMBERS

Adding and subtracting with negatives (The lift)

Name: Class: Date:



WORKED EXAMPLE:

Imagine yourself in a massive shopping centre with underground car park.

To move up or down the lift, you have to follow the rules below:

When you **add** the numbers, **you will go up.**

$$5 + 3 = 8 \qquad -5 + 3 = -2$$

If you **subtract** (minus/ take away) the number, **the lift will go down**

$$5 - 2 = 3 \qquad -5 - 2 = -7$$

When you see **two minus signs** next to each other, **change** them to **plus**. That means **you will move up.**

$$5 - - 3 = 5 + 3 = 8 \qquad -5 - - 3 = -5 + 3 = -2$$

When you see **two different signs** next to each other, **change** them to **minus**. This time you **will do down**.

$$5 - + 3 = 5 - 3 = 2 \qquad -5 + - 3 = -5 - 3 = -8$$

YOUR TURN:

- | | | |
|-----------------------------|-----------------------------|------------------------------|
| 1) $7 + 2 = \dots\dots$ | 11) $3 + 8 = \dots\dots$ | 21) $4 + 12 = \dots\dots$ |
| 2) $-7 + 2 = \dots\dots$ | 12) $-3 + 8 = \dots\dots$ | 22) $-4 + 12 = \dots\dots$ |
| 3) $7 - 2 = \dots\dots$ | 13) $3 - 8 = \dots\dots$ | 23) $4 - 12 = \dots\dots$ |
| 4) $-7 - 2 = \dots\dots$ | 14) $-3 - 8 = \dots\dots$ | 24) $-4 - 12 = \dots\dots$ |
| 5) $7 - - 2 = \dots\dots$ | 15) $3 - - 8 = \dots\dots$ | 25) $4 - - 12 = \dots\dots$ |
| 6) $-7 - - 2 = \dots\dots$ | 16) $-3 - - 8 = \dots\dots$ | 26) $-4 - - 12 = \dots\dots$ |
| 7) $7 + - 2 = \dots\dots$ | 17) $3 + - 8 = \dots\dots$ | 27) $4 + - 12 = \dots\dots$ |
| 8) $-7 + - 2 = \dots\dots$ | 18) $-3 + - 8 = \dots\dots$ | 28) $-4 + - 12 = \dots\dots$ |
| 9) $7 - + 2 = \dots\dots$ | 19) $3 - + 8 = \dots\dots$ | 29) $4 - + 12 = \dots\dots$ |
| 10) $-7 - + 2 = \dots\dots$ | 20) $-3 - + 8 = \dots\dots$ | 30) $-4 - + 12 = \dots\dots$ |