

Negative Numbers

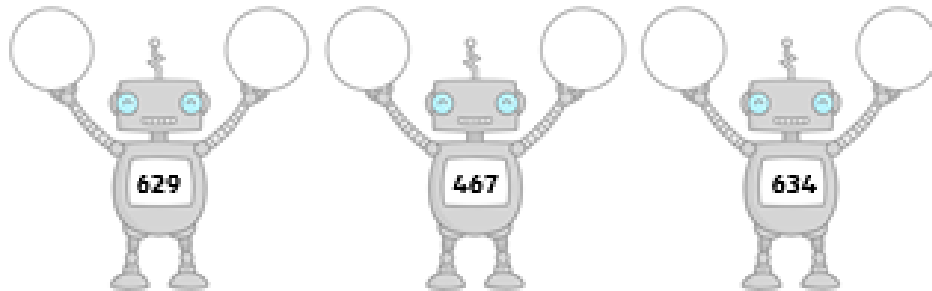
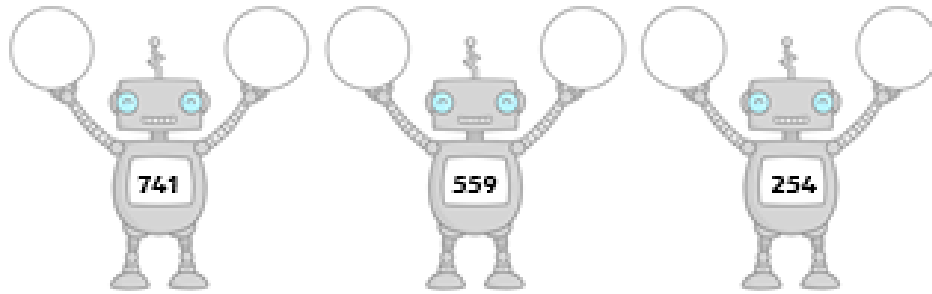
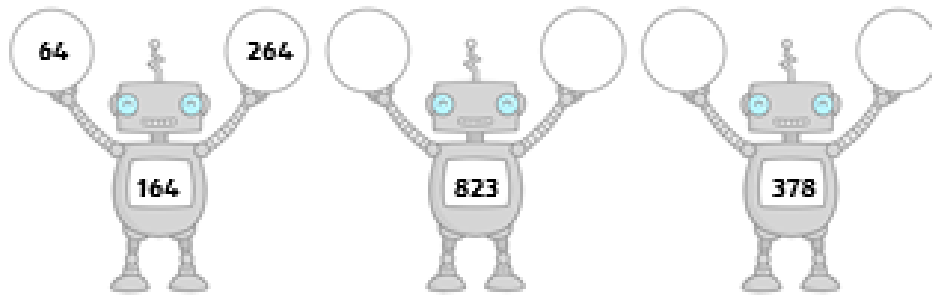
Learning Objectives:

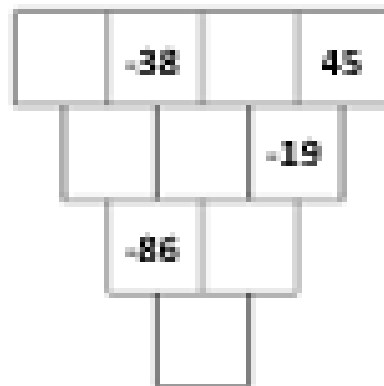
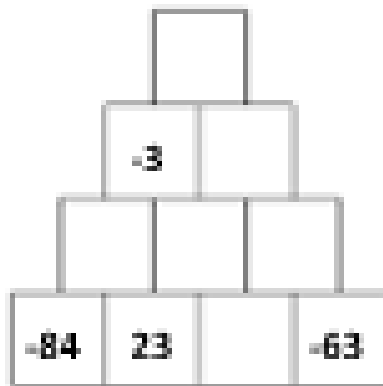
- Able to add and subtract to negative numbers
- Know the rules for adding and subtracting negative numbers
- Able to add and subtract negative numbers



Adding 100 more or less

Can you find 100 more than and 100 less than the number in the robot's tummy?





$$a) |-33| + 19 =$$

$$b) 41 + |-35| =$$

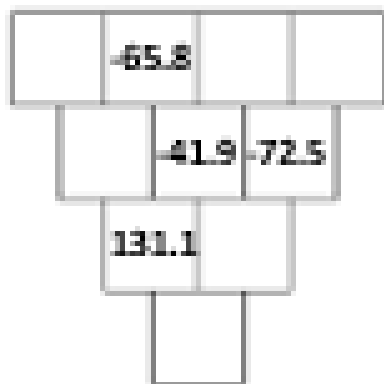
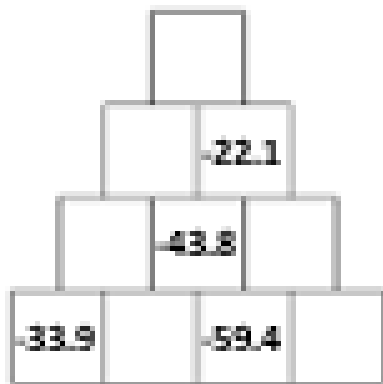
$$c) 18 + |-33| + |-16| =$$

$$d) 75 - |-21| =$$

$$e) 54 + 21 - |-15| =$$

$$f) 32 - (-43) + |-26| =$$

$$g) 112 + |-67| - |-19| =$$



$$a) |-45| + |-20| =$$

$$b) 41 - |-65| + |-21| =$$

$$c) 102 + |-50| + |-73| =$$

$$d) 61.5 - |-21.5| =$$

$$e) -34.3 + |-17.7| =$$

$$f) 22.8 + |-42| - |-21.2| =$$

$$g) -31.3 - |-6.4| - |-12.9| =$$

Adding and Subtracting Negative Numbers

- If I tell you to do something, I am giving you a positive instruction
- If I tell you not to do something, I am giving you a negative instruction
- If I tell you not to not do something, I am actually giving you a positive instruction.

Adding and Subtracting Negative Numbers

- We apply certain rules to calculations involving negative numbers.
- These signs must be next to each other

Calculation	Becomes...
$+$ $+$ $-$ $-$	$+$
$+$ $-$ $-$ $+$	$-$

Adding and Subtracting Negative Numbers

- Examples:

a) $6 + -4$

b) $5 - -7$

c) $-3 - 8$

Adding and Subtracting Negative Numbers

$$\text{a) } 8 + -3 = 5$$

$$\text{f) } -4 + -7 = -11$$

$$\text{b) } 9 - +5 = 4$$

$$\text{g) } -1 - -6 = 5$$

$$\text{c) } 2 - -9 = 11$$

$$\text{h) } -3 + 9 = 6$$

$$\text{d) } 3 + -4 = -1$$

$$\text{i) } -7 - 4 = -11$$

$$\text{e) } 10 + -16 = -6$$

$$\text{j) } -12 + -11 = -23$$

Adding and Subtracting Negative Numbers

- Complete the negative numbers codebreaker
- The answer will be an hilarious maths joke!

