

Math 8
Adding and Subtracting Integers
(positive and negative numbers)

Key


VIDEO (or go to our website: www.brady45.weebly.com)


<https://www.youtube.com/watch?v=Lle5q3UTlbo>

Integers include positive and negative whole numbers and zero.

For example: -4, 0, 10

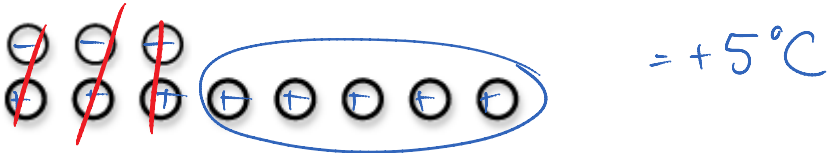
Integer chips are coloured disks or circles that represent positives and negatives.

Positive 4 looks like: 

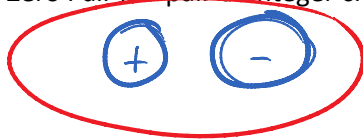
Negative 5 looks like: 

Integer chips are VERY helpful for addition questions. Let's try!

If there is a temperature increase of 8°C from a starting temperature of -3°C , what is the temperature now?

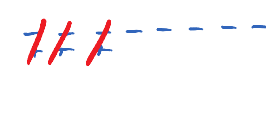



Adding Integers: A Zero Pair is a pair of integer chips with one chip representing +1 and one chip representing -1. For example:



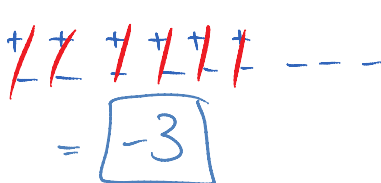
Solve the following questions using integer chip drawings:

a) $(+7) + (-4)$ 
 $= \boxed{+3}$

b) $(-8) + (+3)$ 
 $= \boxed{-5}$

c) $(+4) + (+5)$ 
 $= \boxed{+9}$

d) $(-7) + (-7)$ 
 $= \boxed{-14}$

e) $(+6) + (-9)$ 
 $= \boxed{-3}$

f) $(-2) + (+8)$ 
 $= \boxed{+6}$

Suppose a temperature change from $+5^{\circ}\text{C}$ to -15°C occurred over a 4 hours period. How could you determine the temperature change per hour?

