## **Learning Goal:**

By the end of this lesson I should be able to EVALUATE mixed addition and subtraction problems WITHOUT the use of a calculator (technology).

## **BIG IDEAS**

• Adding a negative value gives the same result as subtracting a positive value.

5 + (-2)

is the same as

5 - 2

Subtracting a negative value gives the same result as adding a positive value.

5 - (-3)

is the same as

5 + 3

**Evaluate** means to get a number answer by performing the given operations (adding/subtracting).

Models: (i) Integer Chip model, (ii) hybrid integer chip model (write numbers instead of drawing chips), (iii) column model (adding), (iv) number model

**Skills Practice:** EVALUATE the following:

16 - (-7)(a)

15 + (-8)(b)

(c) (-9) - (-9)

(d) 18 - 14 + 6 (e) 24 - (-11) + (-3) (f) (-35) + (-15)

17 - (-14) - 12(g)

(h)

(-6) - 7 - 5 (i) 34 - 24 - (-12)

What operation (adding or subtracting) must be inserted into the black space to make the statement true?

5 (-3) (-4) = 6(a)

(-12) (-32) = 0(b)