## 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.

$$
5+(-2) \quad \text { is the same as } \quad 5-2
$$

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

$$
5-(-3) \quad \text { is the same as } \quad 5+3
$$

- 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:
(a) $16-(-7)$
(b) $15+(-8)$
(c) $(-9)-(-9)$
(d) $18-14+6$
(e) $24-(-11)+(-3)$
(f) $(-35)+(-15)$
(g) $17-(-14)-12$
(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?
(a) 5
(-3)
$(-4)=6$
(b) $20 \quad(-12) \quad(-32)=0$

