

Instructions:

Answer the following in the space provided, be sure to leave evidence of your thinking for each question. Suggested models to use are listed below; extra paper is available if you need more space for picture, etc.

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

Find the **SUM** of the following:

(a) $16 + 13 + 14$

(b) $24.8 + 5.7$

(c) $156 + 275 + 94$

(d) $12 + (-14) + (-7)$

Find the **DIFFERENCE** for the following:

(a) $21 - 18$

(c) $12 - 25$

(c) $4 - (-5)$

(d) $35 - (-5) + (-15)$

Skills Practice: EVALUATE the following:

(a) $15 - (-8)$

(b) $25 + (-18)$

(c) $(-3) - 11$

(d) $26 - 12 + 4$

(e) $(-15) - (-10)$

(f) $28 - (-18) + (-5)$

(g) $14.2 - 4.8 - (-6.4)$

(h) $349 + 743 + 182$

(i) $1.03 + 2.12 + 1.78$

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

(a) $25 \blacksquare (-12) \blacksquare (-16) = 21$

(b) $16 \blacksquare (-11) \blacksquare (-3) = 8$