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| **Definition:** Integer is a number with no fraction part (no decimals).    Includes:   * the positive counting numbers {1, 2, 3, …}, * zero {0} * and the negative counting numbers {-1, -2, -3, …}   **Examples:** -16, -3, 0, 1, 200 **Non Examples:** -16.4, 1/3,  5 |

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| **RULE: ELIMINATE DOUBLE SIGNS**  + (+) = – (–) =  + (–) = – (+) = |

**ADDING and SUBTRACTING INTEGERS**

**Evaluate** the following expressions without a calculator:

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| **a) 5 + 3** | **b) -5 + 3** |
| **c) (-5) + (-3)** | **d) 5 + (-3)** |
| **e) 5 – (+3)** | **f) (-5) – (-3)** |
| **g) 6 – 5 + 3 *Evaluate from left to right in groups of two*** | **h) 10 – (-6) + (-3)**  ***Eliminate double signs***  ***Evaluate from left to right***  ***in groups of two*** |
| **i) (-10) + (–4) + 7** | **j) 20 – (-10) + (-30)** |

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| **j) (–4) + (+9) + (–2) – (–5)** | **k) (–1) – (–6) – (+3) + (–10)** |
| **l) 40 – (–10) + (+30) – (+20) – (–10)** | **m) (–2) – (–4) + (–5) + (+3) – (–1)** |
| **n) 4 + (–12) + 10 + (–6) – (+4) – (–8)** | **o) –10 + (–4) + 7 – (–2) – 8 + (–1)** |

**APPLICATION**

1) An electrician removes from stock 500 feet of BX cable on Monday, 250 feet on Tuesday and 750 feet on Wednesday. On Friday, she returns 339 feet of BX cable. **How many feet of BX cable are used?**

2) A carpenter charges $598 for a job. The cost of materials is $263, the cost of labor is $173 and the cost of transportation is $10. Calculate the **profit**.