# Inclass Assignment #1:  Adding Integers

1.    Calculate (+8) + (+4).

2.  Complete the equation (+3) + (−9) + (+6) = □.

3.  Complete the equation (−1) + (+10) + □ = (+12).

4.  Predict whether (+90) + (−70) will be positive or negative.

5.  Calculate (+23) + (−17).

6.  Calculate (−48) + (+12).

7.  Calculate (+8) + (−13) + (−36).

8.  On Monday morning, Susanne had $40 in her wallet. How much did

    Susanne put into, or take out of, her wallet on Friday? Explain.

| Day | start | Mon. | Tue. | Wed. | Thu. | Fri. |
|---|---|---|---|---|---|---|
| Gain/loss ($) | | +5 | −12 | +24 | +17 | |
| Total ($) | 45 | | | | | 59 |

9.  For exercise, Ana walks up and down a staircase. She starts on the sixth

    step and walks as follows: up 3 steps, down 4 steps, up 2 steps, down 3

    steps. On what step does she finish? Explain.

10. The temperature dropped 3 degrees from midnight to noon. Then it rose

    9 degrees from noon to 10:00 P.M. It is now −12°C. What was the

    temperature at midnight? Explain.

# Adding Integers Quiz
## Answer Section

**SHORT ANSWER**

1.  ANS:
    (+12)

    PTS: 1           DIF: Grade 7      REF: Lesson 6.2     OBJ: N6
    TOP: Adding Integers Using the Zero Principle         KEY: integers
2.  ANS:
    0

    PTS: 1           DIF: Grade 7      REF: Lesson 6.2     OBJ: N6
    TOP: Adding Integers Using the Zero Principle         KEY: integers
3.  ANS:
    (+3)

    PTS: 1           DIF: Grade 7      REF: Lesson 6.2     OBJ: N6
    TOP: Adding Integers Using the Zero Principle         KEY: integers
4.  ANS:
    positive

    PTS: 1           DIF: Grade 7      REF: Lesson 6.3     OBJ: N6
    TOP: Adding Integers That Are Far from Zero         KEY: integers
5.  ANS:
    +6

    PTS: 1           DIF: Grade 7      REF: Lesson 6.3     OBJ: N6
    TOP: Adding Integers That Are Far from Zero         KEY: integers
6.  ANS:
    –36

    PTS: 1           DIF: Grade 7      REF: Lesson 6.3     OBJ: N6
    TOP: Adding Integers That Are Far from Zero         KEY: integers
7.  ANS:
    –41

    PTS: 1           DIF: Grade 7      REF: Lesson 6.4     OBJ: N6
    TOP: Integer Addition Strategies      KEY: integers

**PROBLEM**

8.  ANS:
    took out $20; (+45) + (+5) + (–12) + (+24) + (+17) = 79 and 79 – 59 = 20.

    PTS: 1           DIF: Grade 7      REF: Lesson 6.4     OBJ: N6

 9.  ANS:
   step 4; (+6) + (+3) + (–4) + (+2) + (–3) = +4.

   PTS:  1            DIF:  Grade 7       REF:  Lesson 6.4     OBJ:  N6
   TOP:  Integer Addition Strategies          KEY:  integers
10.  ANS:
   –18°C; (–12) – (+9) + (+3) = –18.

   PTS:  1            DIF:  Grade 7       REF:  Lesson 6.7     OBJ:  N6
   TOP:  Solve Problems by Working Backward          KEY:  integers