**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

TOP: Integer Addition Strategies KEY: integers

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