**Practice – Adding and Subtracting Integers**

**1.** Find each sum.

 **a)** (+6) + (–12) **b)** (–10) + (–4) **c)** (–8) + (–9)

 **d)** (+11) + (+7) **e)** (–13) + (+5) **f)** (+12) + (–6)

**2.** Find each difference.

 **a)** (+7) – (+4) **b)** (–9) – (–5) **c)** (+8) – (+12)

 **d)** (–3) – (–8) **e)** (+7) – (–3) **f)** (–5) – (+4)

**3.** Find each sum or difference.

 **a)** (+4) + (–6) **b)** (–7) – (–8)

**c)** (–7) + (+8) **d)** (–10) + (+3)

 **e)** (–6) – (+3) **f)** (–5) + (–4)

 **g)** (–3) – (+5) **h)** (+7) – (+2)

**4.** These are the scores on each hole of mini-golf. Find the total score.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Score | –2 | +1 | 0 | +3 | –1 | +2 | –1 | 0 | –2 |

**5.** Represent each sentence with integers, and then find each **sum**.

 **a)** The elevation of the base of the building is 345 m above sea level.

The building is 50 m high.

 **b)** The elevation of the base of the building is 75 m below sea level.

 The building is 15 m high.

 **c)** The temperature in Ottawa was –3ºC.

A cold front passed and the temperature dropped 8ºC.

 **d)** The temperature in St. John's was –4ºC at 4 a.m.

By noon, the temperature had risen 10ºC.

**6.** Find the **difference** between:

**a)** Mount Everest, Nepal, at 8850 m above sea level and Java Trench, Indian Ocean, 7125 m below sea level.

**b)** An airplane cruising at an altitude of 3500 m and a submarine at
a depth 975 m.

**c)** A kite at an altitude of 112 m and a bird at an altitude of 145 m.