Extra Practice Sample Answers

Extra Practice 1 – Master 2.18

Lesson 2.1

**1. a)** –12

 **b)** Adding a number 4 times is the same as 4 times the number.

**2. a)** +12

 

 **b)** –42

 

 **c)** –15

 

 **d)** +24

 

**3. a)** +16

 

 **b)** –12

 

 **c)** –36

 

 **d)** +18

 

**4.** (+5) × (–2) = –10; the ice melted 10 cm after 5 days.

**5. a)** (+2) × (–30) = –60; Aliya is 60 cm below her previous elevation.

 **b)** (–3) × (–30) = 90; Aliya was 90 cm above her current elevation.

Extra Practice 2 – Master 2.19

Lesson 2.2

**1. a)** +4; 0; –4; –8;

 (+4) × (–3) = –12

 (+4) × (–4) = –16

 (+4) × (–5) = –20

 **b)** +5; 0; –5; –10;

 (–3) × (+5) = –15

 (–4) × (+5) = –20

 (–5) × (+5) = –25

**2. a)** The product of two integers is positive when the integers have the same sign.

 **b)** The product of two integers is negative when the integers have opposite signs.

**3. a)** –18 **b)** +12

 **c)** –14 **d)** –12

 **e)** –1 **f)** +25

**4. a)** +330 **b)** –860

 **c)** +918 **d)** –682

 **e)** –1206 **f)** 1612

**5. a)** +3 and +6; the greatest product will be a product of two numbers with the same sign and largest size. So, it will be (+3) × (+6) = +18 or (–2) × (–8) = +16.

 **b)** +6 and –8; the least product will be a product of two numbers with opposite signs and largest size. So, it will be (+6) × (–8) = –48.