Extra Practice Sample Answers

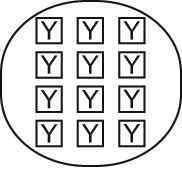
Extra Practice 1 – Master 2.18

Lesson 2.1

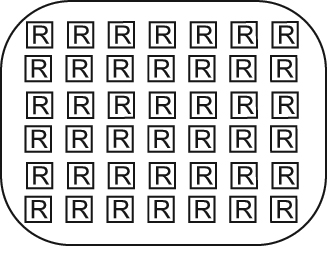
**1. a)** –12

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

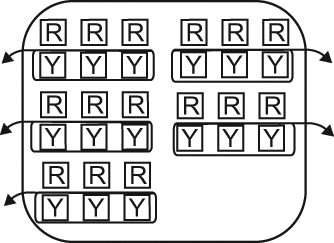
**2. a)** +12



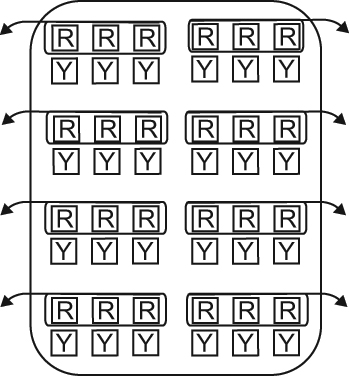
**b)** –42



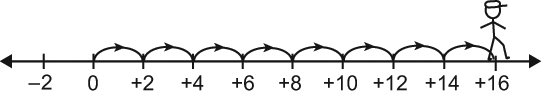
**c)** –15



**d)** +24



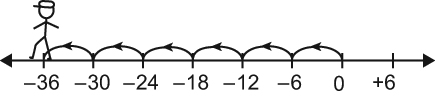
**3. a)** +16



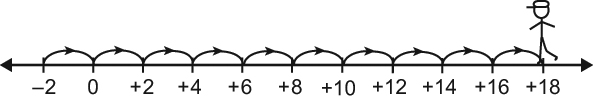
**b)** –12



**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.