

Chapter 4 Get Ready Answers

Question 1

- a) The whole numbers between 68 and 72 are 69, 70, and 71.
- b) The whole numbers between 108.3 and 111.6 are 109, 110, and 111.

Question 2

a)
$$\frac{70+170}{2} = \frac{240}{2}$$
$$= 120$$

120 is half way between 7- and 170.

b)
$$\frac{1801+1813}{2} = \frac{3614}{2}$$
$$= 1807$$

1807 is half way between 1801 and 1813.

c)
$$\frac{18.4+6.2}{2} = \frac{24.6}{2}$$
$$= 12.3$$

12.3 is half way between 18.4 and 6.2.

Question 3

- a) The number in the box is closer to the number on the right because 38 is 2 units away from 40 but 8 units away from 30.
- b) The number in the box is closer to the number on the left because 3.4 is 2.8 units away from 0.6 but 3.2 units away from 6.6.
- c) The number in the box is closer to the number on the right because 0.732 is 0.091 units away from 0.641 but 0.159 units away from 0.891.
- d) The number in the box is closer to the number on the right because 78.22 is 0.45 units away from 77.77 but 0.46 units away from 78.68.

Chapter 4 Get Ready Answers (continued)

Question 4

- a) The smallest interval represents 1 because there are 6 intervals between 10 and 16. The interval can be calculated using subtraction and division.

$$\begin{aligned}\frac{16-10}{6} &= \frac{6}{6} \\ &= 1\end{aligned}$$

- b) The smallest interval represents 5 because there are 4 intervals between 20 and 60. The interval can be calculated using subtraction and division.

$$\begin{aligned}\frac{40-20}{4} &= \frac{20}{4} \\ &= 5\end{aligned}$$

- c) The smallest interval represents 2 because there are 5 intervals between 10 and 20. The interval can be calculated using subtraction and division.

$$\begin{aligned}\frac{20-10}{5} &= \frac{10}{5} \\ &= 2\end{aligned}$$

- d) The smallest interval represents 0.5 because there are 4 intervals between 6 and 4. The interval can be calculated using subtraction and division.

$$\begin{aligned}\frac{6-4}{4} &= \frac{2}{4} \\ &= 0.5\end{aligned}$$

Question 5

- a) Point A is at 5.
- b) 15 is located at point B.
- c) 50 is located half way between points D and F.

$$\begin{aligned}\frac{40+60}{2} &= \frac{100}{2} \\ &= 50\end{aligned}$$

Chapter 4 Get Ready Answers (continued)

d) 32.5 is represented by point C.

$$\begin{aligned}\frac{15 + 50}{2} &= \frac{65}{2} \\ &= 32.5\end{aligned}$$

Question 6

Answers will vary. $25 < L < 35$, $L > 31$, $L < 33$

Question 7

a) $28 < 30$

b) $280.1 > 279.9$

c) $37 = 37.0$

d) $\frac{1}{8} < \frac{3}{8}$

Question 8

$1.71 > 1.701 > 1.7$

Question 9

The boys arranged in order of their distance from school from shortest to longest is Kazimir (1487 m), Simon (1498 m), and Connor (1527 m).

Question 10

a) The three students arranged in order from shortest to tallest is Pat, Alicia, and Andrea

b) $84 + 4 = 88$ cm

Pat is 88 cm tall.