

## Chapter 2 Get Ready Answers

### Question 1

Thousands	Hundreds	Tens	Ones	.	Tenths	Hundredths	Thousandths
1	3	4	9	.	5	2	
		4	5	.	0	6	9
	1	0	0	.	0	5	
			0	.	4	5	5

### Question 2

- a) 599.41 is one hundred less than 699.41; Look at the hundreds place;  $6 - 1 = 5$
- b) 94.62 is one tenth less than 94.72; Look at the tenths place;  $7 - 1 = 6$
- c) 94.88 is one hundredth more than 94.87; Look at the hundredths place;  $7 + 1 = 8$
- d) 1009.9 is ten more than 999.9; Look at the tens place;  $9 + 1 = 10$

### Question 3

- a) The numbers arranged from greatest to least are 2.8, 1.9, and 1.8.
- b) The numbers arranged from greatest to least are 365.9, 365.7, and 358.

### Question 4

- a) The numbers arranged from greatest to least are 2.4, 2, and 1.9.
- b) The numbers arranged from greatest to least are 5, 4.3, and 0.7.

### Question 5

Answers may vary.

- a)  $400 + 200 + 300 = 900$   
This estimate is low because the front-end estimate rounds numbers down.
- b)  $7000 - 3000 = 4000$   
This estimate is high because front-end estimates rounded 3915 to 3000 when it is actually closer to 4000.
- c)  $40 \times 10 = 400$   
This estimate is high because even though 49 was rounded down more than 7 was rounded up, the effect of changing 7 to 10 more than offset the changing of 49 to 40.
- d)  $300 \div 6 = 50$   
This estimate is low because the dividend was rounded down using relative size estimation.

## Chapter 2 Get Ready Answers (continued)

### Question 6

Answers may vary.

a)  $100 + 46 = 146$

b)  $100 + 59 = 159$

c)  $100 \times 5 - 5 = 495$

d)  $40 + 65 + 35 = 140$

### Question 7

$$\begin{aligned} 83 \times 7 + 234 \div 6 &= 581 + 39 \\ &= 620 \end{aligned}$$

### Question 8

a)  $16 - 4 \times 2 = 16 - 8$   
 $= 8$

b)  $14 + 3 \times 8 + 5 \times 6 = 14 + 24 + 30$   
 $= 68$

c)  $10 - 8 \div 4 + 14 \div 7 = 10 - 2 + 2$   
 $= 10$

d)  $3 \times 5 + 16 \div 4 - 12 \div 3 = 15 + 4 - 4$   
 $= 15$

### Question 9

a)  $(21 - 12) \times 9 + 8 = 9 \times 9 + 8$   
 $= 81 + 8$   
 $= 89$

b)  $(12 + 5) \times 5 - (26 - 13) \times 6 = 17 \times 5 - 13 \times 6$   
 $= 85 - 78$   
 $= 7$

c)  $(34 - 6) \div 7 \times 3 = 28 \div 7 \times 3$   
 $= 12$

d)  $180 \div (35 - 25) = 180 \div 10$   
 $= 18$

e)  $28 \div (4 + 3) + 4 \times (8 - 5) = 28 \div 7 + 4 \times 3$   
 $= 4 + 12$   
 $= 16$