

# Grade 5 Chapter 4 Mid-Chapter Review

## Answers

- 8→ 1. a) 100; for example, I transfer 5 from 55 to 45 so  $50 + 50 = 100$ .  
b) 2455  
c) 9705  
d) 397  
e) 2001  
f) 1998; for example,  $1499 + 1 = 1500$  and  $499 + 1 = 500$ . Then  $1500 + 500 = 2000$ , but I need to take away the 2 I added in so the sum is 1998.
- 8→ 2. a) Each number is 1 less than 200 or 300, so the sum will be 2 less than 500, or  $500 - 2 = 498$ .  
b) 205 is 5 more than 200 and 325 is 25 more than 300, so the sum will be  $25 + 5 = 30$  more than 500, or 530.  
c)  $500 - 200 = 300$ , so  $500 - 199$  must be 1 more, or 301.  
d) Each number is 50 more than 200 or 300, so the answer will be 100 more than 500, or 600.  
e) 198 is 2 less than 200 and 302 is 2 more than 300, so the answer must be the same as  $200 + 300 = 500$ .  
f)  $200 + 300 = 500$  also means  $500 - 300 = 200$ ; since 301 is 1 more than 300,  $500 - 301$  must be 1 less than 200, or 199.
- 8→ 3. a)  $3176 + 2857$ :  $3000 + 2000 = 5000$ ;  $176 + 857$  is about another thousand or 6000; 6033 is reasonable.  
b)  $6655 - 1596$ :  $6600 - 1600 = 5000$ , so 3059 is unreasonable. The correct answer is 5059.  
c)  $5965 + 3582$ :  $6000 + 3500 = 9500$ ; 9547 is reasonable.  
d)  $8087 - 1935$ :  $8000 - 2000 = 6000$ ; 6152 is reasonable.  
e)  $246 + 118 + 978 + 253$ :  $250 + 100 + 1000 + 250 = 1600$ ; 1605 is reasonable.  
f)  $4508 + 497 + 3504$ :  $4500 + 500 + 3500 = 8500$ , so 7509 is unreasonable. The correct answer is 8509.
- 8→ 4. a) 7789                      c) 8973                      e) 9419  
b) 9447                      d) 5646                      f) 7837
- 8→ 5. a) Using 4 c) as an example,  $5488 + 1098 + 2387$  is about  $5500 + 1100 + 2400 = 9000$ . My answer was 8973. This is close to 9000, so it is reasonable.  
b) Using 4 c) as an example, I decided to round each number to the nearest hundred because two of the numbers were not close to thousands.
- 8→ 6. The total mass of the three crates is 3434 kg; the fourth crate can be up to  $5000 - 3434 = 1566$  kg.
- 8→ 7. The total population of the 3 areas is  $2192 + 1865 + 1575 = 5632$ . Eastside must have a population of  $9000 - 5632 = 3368$ .