

## Module 2

## Evaluate each of the following.

**1.** Use the Partial-Sums Method.

21,685
+66,128
80,000
7,000
700
100
13
87,813

**2.** Use the Column Subtraction Method.

	3	18	9	8	16
	4	8, 9,	9	9 8	6
_	3	9,	7	8	9
		9,	2	0	7

- **3.** Use the Partial Products Method.
- 4. Use the Partial Quotients Method.

801	84
<u>× 36</u>	$17\overline{)1,428}$ <b>Possible answer:</b>
6	,
0	4 80
4,800	
30	17)1,428 1,360
0	$\frac{1,000}{68}$
<u>24,000</u>	
28,836	$\frac{68}{0}$

**5.** Use the Counting Up Method.

17,846	
- 829	
17,017	
Possible ans	swer:
	829
21	850
50	900
100	1,000
<u>+16,846</u>	17,846
17,017	

**6.** Use the Column Addition Method.

	1,	2	4	3
+	2,	9	4	8
	3,	11	8	11
	3,	11	9	1
	4,	1	9	1

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Circle the correct answer for each problem.

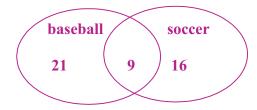
7. $72,413 + 8,809 =$					
a. 80,212	b. 81,222 <b>81,222</b>	c. 90,212	d. 91,222		
<b>8.</b> 72,415 – 57,396 =	<b>8.</b> 72,415 – 57,396 =				
a. 14,019	b. 14,119	c. 15,019 <b>15,019</b>	d. 15,119		
<b>9.</b> 236 × 78 =					
a. 10,008	b. 18,408 <b>18,408</b>	c. 18,508	d. 28,408		
<b>10.</b> Which is the best estimate of $405 \times 19$ ?					
a. 4,100	b. 8,000 <b>8,000</b>	c. 8,200	d. 10,000		
<b>11.</b> The least possible product of a three-digit number and a one-digit number that can be formed using only the digits 7, 1, 4, 9 is					
a. 149	b. 417	c. 479 <b>479</b>	d. 497		
<b>12.</b> What is the remainder of $815 \div 33$ ?					
a. 8	b. 10	c. 20	d. 23 23		
13. Lucy is buying rolls. The rolls come in packages of six. Lucy needs 80 rolls. What should Lucy do to find how many packages she should buy?					
a. increase the quotient increase the quotient	b. drop the remainder	c. use the remainder as the answer	d. use the remainder to get the answer		

## Answer the following questions in the space provided.

**14.** How many buses are needed to take 136 seniors to the mall if each bus holds 42 seniors?

 $136 \div 42 = 3 \text{ R} 10; 4 \text{ buses}$ 

- 15. What day of the week is 60 days from Monday?
  60 ÷ 7 = 8 R 4; Friday
- 16. A fruit juice company fills 480 12-ounce bottles with pineapple juice. How many 16-ounce bottles could be filled with the same amount of pineapple juice?
  360 16-ounce bottles
- 17. Three-digit numbers are formed using the digits 1, 2, and 3. How many numbers do not contain the digit 3? Explain how you got your answer.
  Possible answer: There are 8 numbers. I made a list: 111, 121, 211, 112, 212, 122, 221, 222.
- 18. The results of a survey of all the members of a sports camp shows that 30 people play baseball, 25 people play soccer, and nine people play both baseball and soccer. What is the total number of people in the sports camp? Explain how you got your answer. Possible answer: 46 people. I made a diagram.



21 + 9 + 16 = 46