

Module Test B **Module 2**

Evaluate each of the following.

1. Use the Partial-Sums Method.

$$\begin{array}{r}
 21,685 \\
 + 66,128 \\
 \hline
 80,000 \\
 7,000 \\
 700 \\
 100 \\
 13 \\
 \hline
 87,813
 \end{array}$$

2. Use the Column Subtraction Method.

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

3. Use the Partial Products Method.

$$\begin{array}{r}
 801 \\
 \times 36 \\
 \hline
 6 \\
 0 \\
 4,800 \\
 30 \\
 0 \\
 \hline
 24,000 \\
 28,836
 \end{array}$$

4. Use the Partial Quotients Method.

$17 \overline{)1,428}$	Possible answer:
$\quad 84$	$\quad 4$
$\quad 17 \overline{)1,428}$	$\quad 80$
	$\quad 17 \overline{)1,428}$
	$\quad 1,360$
	$\quad \underline{68}$
	$\quad \underline{68}$
	$\quad \underline{0}$

5. Use the Counting Up Method.

17,846	
- 829	
17,017	
Possible answer:	829
21	850
50	900
100	1,000
+16,846	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

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?

$$60 \div 7 = 8 \text{ R } 4; \text{ Friday}$$

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?

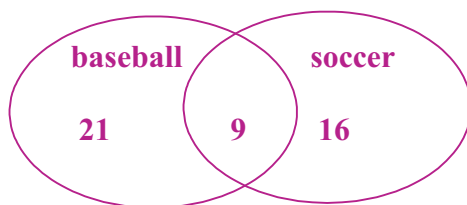
$$360 \text{ 16-ounce bottles}$$

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.



$$21 + 9 + 16 = 46$$

