NAME

Module 1	Number Sense
Lesson 2	Divisibility Rules

Independent Practice 1.2

Determine if each number is divisible by 2, 4, 5, or 10.

1.	280	2.	672
3.	865	4.	1,200

5. 5,508 **6.** 28,338

Determine if each number is divisible by 3, 6, or 9.

7.	297	8.	886
9.	1,188	10.	5,001

11. 8,340 **12.** 21,771

Determine if each number is divisible by 2, 3, 4, 5, 6, 9, or 10.

13.	256	14.	774
15.	3,975	16.	8,826
17.	15,990	18.	61,098

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- 1. Explain why a number that is divisible by six is also divisible by two and three.
- 2. Identify and describe the characteristics of numbers that are divisible by all of the numbers 2, 3, 6, and 9.
- 3. Explain how to determine whether a number is divisible by 12. Describe the characteristics of numbers that are divisible by 12.
- 4. Is 1,368 divisible by 36? Justify your answer.

Cumulative Review

Evaluate each of the following.

1.	9 × (25 – 14)	2.	$(16+23) \div (21-8)$
3.	$42 - 3 \times (3 + 8)$	4.	$12 + 28 \div 2^2$
5.	$165 \div [5 \times (6+5)] + 15$	6.	$(24-12)^2 \div (15-9)^2$
7.	$6(7+5) \div 4(30-27)$	8.	$2[(28-18)^2 - 3(10+12)]$
9.	$4[(56 \div 8) + 3(5 + 6)] \div 4^2$	10.	$[5 + (10)(4) + (12)(5)] \div [(5-1)^2 - 1]$

Additional Work Area