Lesson 2.1 Practice: Divisibility Rules

School Launch · Pre-Algebra · Unit 2: Factors, Multiples and Primes · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Which of 2, 3, 4, 5, 6, 9 and 10 divide 639 evenly? Use the divisibility rules. EASY

2. Which of 2, 3, 4, 5, 6, 9 and 10 divide $5{,}766$ evenly? Use the divisibility rules. EASY

3. Which of 2, 3, 4, 5, 6, 9 and 10 divide $1{,}080$ evenly? Use the divisibility rules. EASY

4. Which of 2, 3, 4, 5, 6, 9 and 10 divide 124 evenly? Use the divisibility rules. MEDIUM

5. Which of 2, 3, 4, 5, 6, 9 and 10 divide 774 evenly? Use the divisibility rules. MEDIUM

6. Which of 2, 3, 4, 5, 6, 9 and 10 divide 744 evenly? Use the divisibility rules. MEDIUM

7. Which of 2, 3, 4, 5, 6, 9 and 10 divide $2{,}043$ evenly? Use the divisibility rules. MEDIUM

8. Which of 2, 3, 4, 5, 6, 9 and 10 divide $89{,}634$ evenly? Use the divisibility rules. HARD

9. Which of 2, 3, 4, 5, 6, 9 and 10 divide $12{,}936$ evenly? Use the divisibility rules. HARD

10. Which of 2, 3, 4, 5, 6, 9 and 10 divide $78{,}228$ evenly? Use the divisibility rules. HARD