

EXTRA PRACTICE 11

Divisibility

Use after Section 3.1

Name _____

Tests for divisibility.

- Divisibility by 2: any even number.
3: sum of digits is divisible by 3.
4: last two digits are divisible by 4.
5: ones digit is 0 or 5.
6: divisible by both 2 and 3.
7: actually divide.
8: last three digits are divisible by 8.
9: sum of digits is divisible by 9
10: ones digit is 0.

Using the tests for divisibility, determine which of the numbers 2, 3, 4, 5, 6, 7, 8, 9, 10, divide the following.

- | | |
|--------------------------------|--------------------------------|
| 1. 378 is divisible by _____ | 2. 3135 is divisible by _____ |
| 3. 550 is divisible by _____ | 4. 625 is divisible by _____ |
| 5. 572 is divisible by _____ | 6. 1001 is divisible by _____ |
| 7. 280 is divisible by _____ | 8. 540 is divisible by _____ |
| 9. 612 is divisible by _____ | 10. 1848 is divisible by _____ |
| 11. 2025 is divisible by _____ | 12. 513 is divisible by _____ |
| 13. 1320 is divisible by _____ | 14. 372 is divisible by _____ |
| 15. 138 is divisible by _____ | 16. 128 is divisible by _____ |
| 17. 3000 is divisible by _____ | 18. 8550 is divisible by _____ |
| 19. 139 is divisible by _____ | 20. 146 is divisible by _____ |