

Name _____

Enrichment

5-2

Divisible Decisions

Decide if each statement is *true* or *false*. In each exercise, give a reason or an example to support your decision.

Decision Making

1. If a number is divisible by 10, then it is always divisible by 5.

2. If a number ends in a zero, it will never be divisible by 8.

3. All numbers that are divisible by 5 are also divisible by 2.

4. Since 60 is divisible by 3 and 12, all numbers that are divisible by 12 are divisible by 3.

5. If a number is divisible by 4, then it will sometimes be divisible by 10.

6. All numbers that are divisible by 9 are never divisible by 4.

7. All numbers that are divisible by 2 are divisible by 10.

8. If a number is divisible by 9, it is also divisible by 3.

9. Numbers that are divisible by 2 are always divisible by 4.
