

NAME: _____

Use the patterns shown to make a prediction. Complete each statement.

1. $3^2 = 9$ $5^2 = 25$ $11^2 = 121$ $17^2 = 289$

The square of an odd number is an _____ number.

2. $4^2 = 16$ $8^2 = 64$ $14^2 = 196$ $20^2 = 400$

The square of an even number is an _____ number.

3. $2 + 5 = 7$ $15 + 4 = 19$ $22 + 13 = 35$ $14 + 37 = 51$

The sum of an odd number and an even number is an _____ number.

4. $5 \times 10 = 50$ $13 \times 10 = 130$

$18 \times 10 = 180$ $23 \times 10 = 230$

The product of any number and 10 is a number that ends in _____.

5. $12 \rightarrow 1 + 2 = 3$ $24 \rightarrow 2 + 4 = 6$

$36 \rightarrow 3 + 6 = 9$ $132 \rightarrow 1 + 3 + 2 = 6$

If the sum of the digits of a number is divisible by _____, then the original number is divisible by _____.
