

Both statements are correct.

When an odd number is multiplied by 5, the answer is odd.

When an even number is multiplied by 5, the answer is even.

True

Five is an odd number.

An odd number multiplied by an odd number
gives an odd number. $\text{Odd} \times \text{Odd} = \text{Odd}$

An even number multiplied by an odd number
gives an even number. $\text{Even} \times \text{Odd} = \text{Even}$