

**Lesson Summary**

Adding:

- The sum of two even numbers is even.
- The sum of two odd numbers is odd.
- The sum of an even number and an odd number is odd.

Multiplying:

- The product of two even numbers is even.
- The product of two odd numbers is odd.
- The product of an even number and an odd number is even.

**Problem Set**

Without solving, tell whether each sum or product is even or odd. Explain your reasoning.

1.  $346 + 721$
2.  $4,690 \times 141$
3.  $1,462,891 \times 745,629$
4.  $425,922 + 32,481,064$
5.  $32 + 45 + 67 + 91 + 34 + 56$