Decide whether the following statements are always false, sometimes true, or always true. Explain why.
a. Tomorrow is Thursday
b. There are 35 days in this month
c. If you double a whole number you get an even number
d. If you double a number you get an even number
e. If you add 1 to an odd number, you get an even number
f. If you multiply two off numbers you get an odd number

Prove: The sum of any three consecutive even numbers if always a multiple of 6 .

Prove: The product of any three consecutive even numbers is always a multiple of 8 .

Prove: If you multiply to odd numbers, you get an odd number.

Prove: If you add two consecutive odd numbers, the result will be a multiple of 4.

Prove: If you multiply two consecutive odd numbers, the result will be a multiple of 4.

Take any three consecutive numbers and add them together.
a. What do you notice about their sum?
b. Prove that this always happens.

