

Name: \_\_\_\_\_ Date: \_\_\_\_\_

### Rabbits, Rabbits & More Rabbits

#### Original Population:

A rabbit population can increase at a rapid rate if left unchecked. Assume that 10 rabbits are put in an enclosed wildlife ranch and the rabbit population triples each year for the next 5 years, as shown in the table.

Year	Rabbit population
0	10
1	30
2	90
3	270
4	810
5	2430

#### New Population:

A group of rabbits of a different kind is placed in a second enclosed wildlife ranch. This new population of rabbits doubles each year if left unchecked.

How many rabbits would you need to start within the new rabbit population to have at least the same number of rabbits in the original model after 5 years?

Answer: \_\_\_\_\_

Explain your thinking in the box provided.