

A.CED.A.1: Modeling Exponential Inequalities

- 1 A rabbit population doubles every four weeks. There are currently five rabbits in a restricted area. If t represents the time in weeks and $P(t)$ is the population of rabbits with respect to time, which inequality could be used to determine when there will be at least 56 rabbits?

1) $5(2)^{\frac{t}{4}} \geq 56$

3) $5(2)^{\frac{4}{t}} \geq 56$

2) $5(2)^{\frac{t}{4}} \leq 56$

4) $5(2)^{\frac{4}{t}} \leq 56$

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Answer Section

1 ANS: 1

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