

Exponential Functions and Growth: Practice Independently



Name: _____ Date: _____

Use the material to work through each task. Show the requested response.

Invented growth model

Invented practice data or scenario; not a report of a real study.
An illustrative model starts at 3 units and doubles each step: $y = 3 \times 2^x$. This is a mathematical practice model, not a real population prediction.

Step x	Units y
0	3
1	6
2	12
3	24

1. What does the coefficient 3 represent?

2. Solve $2^x = 32$.
