

Exponential Functions and Growth: Apply and Create



Use the matching sheet ID when checking answers.

Use what you learned to explain, construct or apply an idea.

1. For $y = 16 \times (1/2)^x$, find y when $x = 3$.

Answer: 2

2. How does this doubling table differ from a linear table?

Look for:

- Compares multiplicative and additive patterns.

One possible response: It has a constant multiplicative factor, not a constant additive difference.

Open responses use criteria and an illustrative response. Other well-supported responses can be acceptable.