ALGEBRA 1 · CLASSWORK

Choose a Function Type for Real-World Data

SCORE / 25

01 Part A · Practice

Choose linear for a constant change, exponential for a constant percent (factor) change, and quadratic for data that rise and fall or involve squares.

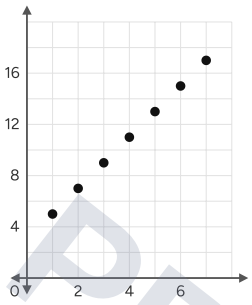
EXAMPLE

A town grows 3% per year. Which model?

1. Same percent each year means multiply by 1.03.
2. A constant factor is exponential.
3. $y = P(1.03)^x$.

1 ●○○ A video's views triple every 4 days. Which model fits best: linear, exponential, or quadratic?

2 ●○○ Which type of model best fits the data in the scatter plot? Explain.



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Preview - the full worksheet and its answer key are at primeworksheet.com