

Info Gap: Ways To Represent A Sequence

## Problem Card 1

Represent the first five terms of the sequence  $f$  by creating a table and sketching a graph.

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## Data Card 1

- $f(1) = 16$
- $f(n) = \frac{f(n-1)}{2}$  for  $n \geq 2$

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## Problem Card 2

1. What is the fifth term of sequence  $K$ ?
2. Represent the first five terms of sequence  $K$  by sketching a graph.

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## Data Card 2

- $K(1) = 16$
- $K(n) = K(n-1) - n$  for  $n \geq 2$

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## Problem Card 3

1. Represent the first five terms of sequence  $Q$  by making a table.
2. Write a recursive definition for sequence  $Q$ .

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## Data Card 3

