الإمارات العربية المتحدة
وزارة التربية والتعليم

worksheet 2-2 Successive Differences

المدرسة الإماراتية

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Grade :10 General

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Look for a pattern to determine which model best describes the data:

5.

x	0	1	2	3	4
y	5	8	17	32	53

y	1^{st} $Diff$	2^{nd} $Diff$	$Ratio$
5			
8			
17			
32			
53			

Best model is

7.

x	−1	0	1	2	3
y	3	6	12	24	48

y	1^{st} $Diff$	2^{nd} $Diff$	$Ratio$
3			
6			
12			
24			
48			

Best model is

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