



Math worksheet on 'Patterning - Term Value from Rule for Increasing Arithmetic Pattern (Level 1)'. Part of a broader unit on 'Patterns and Sums - Intro'

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**1**

Find the term for  $n=6$  given this pattern rule (first term is  $n=1$ )

Start at 2 and add 6 for each term

<b>a</b>	35	<b>b</b>	28
<b>c</b>	31	<b>d</b>	32
<b>e</b>	-28	<b>f</b>	29

**2**

Find the term for  $n=8$  given this pattern rule (first term is  $n=1$ )

Start at 1 and add 6 for each term

<b>a</b>	46	<b>b</b>	43
<b>c</b>	40	<b>d</b>	-41
<b>e</b>	57	<b>f</b>	39

**3**

Find the term for  $n=9$  given this pattern rule (first term is  $n=1$ )

Start at 3 and add 3 for each term

<b>a</b>	26	<b>b</b>	19,683
<b>c</b>	30	<b>d</b>	31
<b>e</b>	27	<b>f</b>	35

**4**

Find the term for  $n=8$  given this pattern rule (first term is  $n=1$ )

Start at 2 and add 2 for each term

<b>a</b>	17	<b>b</b>	256
<b>c</b>	16	<b>d</b>	30
<b>e</b>	14	<b>f</b>	-12

**5**

Find the term for  $n=9$  given this pattern rule (first term is  $n=1$ )

Start at 1 and add 5 for each term

<b>a</b>	-39	<b>b</b>	45
<b>c</b>	38	<b>d</b>	57
<b>e</b>	41	<b>f</b>	390,625

**6**

Find the term for  $n=7$  given this pattern rule (first term is  $n=1$ )

Start at 2 and add 3 for each term

<b>a</b>	18	<b>b</b>	-16
<b>c</b>	17	<b>d</b>	20
<b>e</b>	16	<b>f</b>	21

**7**

Find the term for  $n=6$  given this pattern rule (first term is  $n=1$ )

Start at 3 and add 5 for each term

<b>a</b>	33	<b>b</b>	28
<b>c</b>	24	<b>d</b>	-22
<b>e</b>	9,375	<b>f</b>	43