

Topic: Patterns and Sequences

Object: Recognize, extend, and create patterns and sequences using numbers, shapes, and other elements.

\* Fill in the missing number:

<u>1</u>	1	7	13	19	25	31
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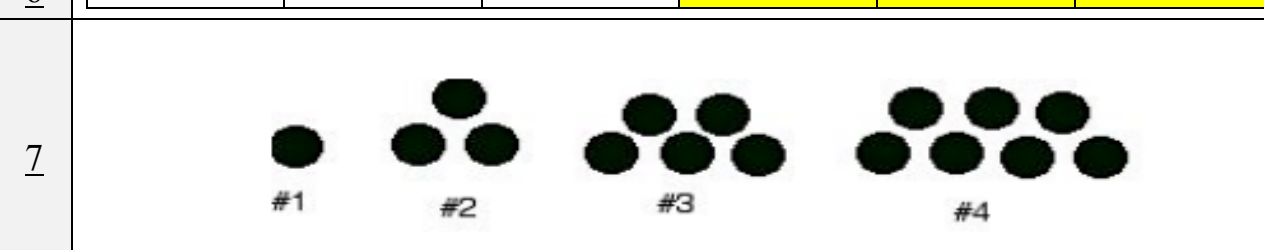
<u>2</u>	19	16	13	10	7	4
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<u>3</u>	4	8	16	32	64	128
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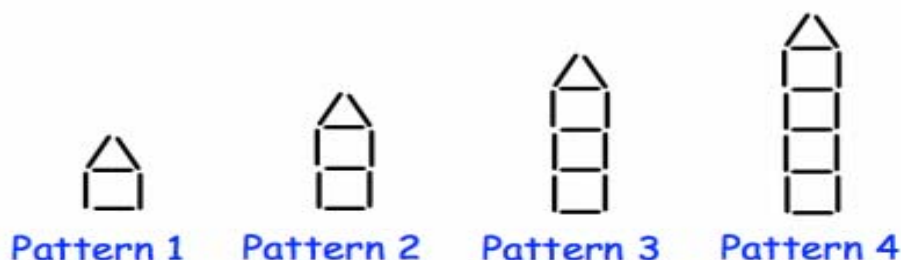
<u>4</u>	546	536	526	516	506	496
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<u>5</u>	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
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<u>6</u>	$\frac{2}{8}$	$\frac{4}{9}$	$\frac{6}{10}$	$\frac{8}{11}$	$\frac{10}{12}$	$\frac{12}{13}$
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Look at the pattern that made of sticks and then answer the following questions:



Complete the table:

<u>8</u>	Pattern number	1	2	3	4	5
	Number of sticks	6	9	12	15	18

9 Which pattern will have 30 sticks? **9**

10 How many sticks in pattern 20? **63**