

Topic: Patterns and Sequences

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

\* Fill in the missing number:

1	1	7	13	19	.....	.....
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2	19	16	13	10	.....	.....
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3	4	8	16	.....	.....	.....
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4	546	536	526	.....	.....	.....
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5	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	.....	.....	.....
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6	$\frac{2}{8}$	$\frac{4}{9}$	$\frac{6}{10}$	.....	.....	.....
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7

#1                  #2                  #3                  #4

Look at the pattern that made of sticks and then answer the following questions:

Pattern 1      Pattern 2      Pattern 3      Pattern 4

Complete the table:

8	Pattern number	1	2	3	4	5
	Number of sticks	.....	.....	.....	.....	.....

9 Which pattern will have 30 sticks?

10 How many sticks in pattern 20?