

## Patterns on a Hundred Chart

You can use a hundred chart to find number patterns.

Use the hundred chart to find the next number in the pattern: 3, 6, 9, 12.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Shade in the numbers already provided for you in the pattern.

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There are 2 numbers not shaded between each shaded number and the next, ending at 12.

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Skip two numbers to follow the pattern and shade in 15.

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So, 15 is the next number in the pattern.

### Examples:

**A-** Use the hundred chart. Find the next number in the pattern.

1) 77,75,73,71

The second term is obtained by subtracting two from the first term

The next number will be  $71 - 2 = 69$

77,75,73,71, **69**

2) 10,20,30,40,

The second term is obtained by adding 10 to the first term

The next number will be  $40 + 10 = 50$

10,20,30,40, **50**

3) 38,37,36,35,

The second term is obtained by subtracting 1 from the first term

The next number will be  $35 - 1 = 34$

38,37,36,35,     **34**

4) 40,44,48,52,

The second term is obtained by adding 4 to the first term

The next number will be  $52 + 4 = 56$

40,44,48,52,     **56**

5) 82,86,90,94,

The second term is obtained by adding 4 to the first term

The next number will be  $94 + 4 = 98$

82,86,90,94,     **98**

6) 5,10,15,20,

The second term is obtained by adding 5 to the first term

The next number will be  $20 + 5 = 25$

5,10,15,20,     **25**

7) 8,11,14,17,

The second term is obtained by adding 3 to the first term

The next number will be  $17 + 3 = 20$

8,11,14,17,     **20**

B- Use the hundred chart. Tell whether each number is odd or even.

8) 16: Even

9) 14: Even

10) 8: Odd

11) 0: Even

12) 7: Odd

13) 78: Even

14) 100: Even

15) 92: Even

16) 65: Odd

17) 25: Odd