

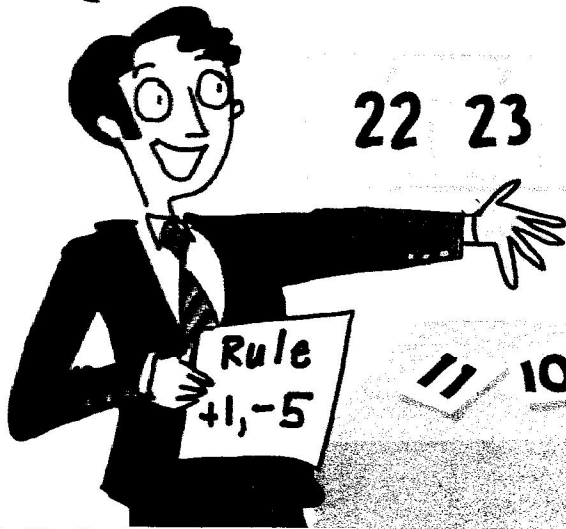
Number Patterns

Skill: Generate number patterns

A number pattern always follows a rule.

The rule is
 $+1, -5$.
Your pattern
is correct!

Make That Pattern!



22 23 18 19 14 15

11 10 5 21 4



- 1 Lay out the mats and the cards.
- 2 Read the rule above each row on the mats.
- 3 Start with the number at the beginning of the row and follow the rule to find number cards to make the pattern.
- 4 Place the cards in the white squares in the correct order to show the pattern.
- 5 Complete the written practice activity.

A collection of activity mats and cards. The mats are rows of squares with a rule written above them. The cards are numbered and some are placed on the mats. The mats and cards are scattered across the bottom right of the page.

1 Rule: $+3, -5$

2 Rule: $+5, -4$

3 Rule: $-6, +11$

4 Rule: $-10, -5$

5 Rule: $+2, +2$

16 11

15 18 13

12

40

90

3

9

24

18

30

Number Patterns

① Rule: $+3, -5$

15

② Rule: $+8, -9$

12

③ Rule: $-6, +11$

40

④ Rule: $-10, -5$

90

⑤ Rule: $\times 2, +2$

3

Number Patterns

8

Rule: $-3, \times 2$

9

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9

Rule: $\times 3, \times 1$

1

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8

Rule: $-8, \div 2$

80

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8

Rule: $\times 6, \div 3$

4

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10

Rule: $\div 4, \div 1$

256

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3	3	3	4	4	<u>6</u>	<u>6</u>
<u>6</u>	8	8	8	<u>9</u>	<u>9</u>	<u>9</u>
<u>9</u>	<u>9</u>	10	11	11	12	13
14	14	15	16	16	16	16
16	18	18	18	18	19	20
24	27	27	28	30	32	34
36	36	37	38	39	44	45
45	48	50	50	55	60	63
64	64	65	72	75	80	96

Number Patterns

Write numbers on the lines to continue each pattern below.
Then write the rule that describes the pattern.

					Rule			
12,	15,	22,	25,	32,	<u>35</u> ,	<u>42</u> ,	<u>45</u>	+ 3 , + 7
3,	11,	7,	15,	11,	_____	_____	_____	,
96,	86,	79,	69,	62,	_____	_____	_____	,
40,	29,	38,	27,	36,	_____	_____	_____	,
2,	10,	4,	20,	14,	_____	_____	_____	,
3,	8,	16,	21,	42,	_____	_____	_____	,
10,	30,	22,	66,	58,	_____	_____	_____	,
3,	12,	6,	24,	12,	_____	_____	_____	,
80,	40,	160,	80,	320,	_____	_____	_____	,
900,	300,	360,	120,	180,	_____	_____	_____	,
6,480,	3,240,	1,080,	540,	180,	_____	_____	_____	,
2,400,	600,	3,600,	900,	5,400,	_____	_____	_____	,