

# Identifying Number Pattern Rules

I can correctly identify an addition or subtraction number pattern rule.

I can complete a number pattern based on addition or subtraction. (ACMNA060)

Work out what the number pattern rule is for each of these patterns. The pattern might be increasing (addition +) or decreasing (subtraction -).

Use the rule to help you complete the number patterns.

14, 18, 22, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ Rule: \_\_\_\_\_

28, 26, 24, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ Rule: \_\_\_\_\_

65, \_\_\_\_\_, 75, 80, \_\_\_\_\_, \_\_\_\_\_ Rule: \_\_\_\_\_

150, 145, \_\_\_\_\_, 135, \_\_\_\_\_, \_\_\_\_\_ Rule: \_\_\_\_\_

36, 30, 24, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ Rule: \_\_\_\_\_

90, \_\_\_\_\_, 96, 99, \_\_\_\_\_, \_\_\_\_\_ Rule: \_\_\_\_\_

201, 211, 221, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ Rule: \_\_\_\_\_

77, 66, 55, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ Rule: \_\_\_\_\_

Can you create your own tricky addition and subtraction number patterns? Show me!

Don't forget to write down the rule!

My **addition** number pattern rule: \_\_\_\_\_

My number pattern is: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

My **subtraction** number pattern rule: \_\_\_\_\_

My number pattern is: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

# Identifying Number Pattern Rules **Answers**

14, 18, 22, **26, 30, 34**                      Rule: **+4**

28, 26, 24, **22, 20, 18**                      Rule: **-2**

65, **70, 75, 80, 85, 90**                      Rule: **+5**

150, 145, **140, 135, 130, 125**              Rule: **-5**

36, 30, 24, 18, 12, 6                      Rule: **-6**

90, **93, 96, 99, 102, 105**                    Rule: **+3**

201, 211, 221, **231, 241, 251**              Rule: **+10**

77, 66, 55, **44, 33, 22**                      Rule: **-11**

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9, \_\_\_\_\_, 19, 24, \_\_\_\_\_, \_\_\_\_\_ Rule: \_\_\_\_\_

48, 44, \_\_\_\_\_, \_\_\_\_\_, 32, \_\_\_\_\_ Rule: \_\_\_\_\_

99, 90, \_\_\_\_\_, 72, \_\_\_\_\_, \_\_\_\_\_ Rule: \_\_\_\_\_

110, 130, \_\_\_\_\_, 170, \_\_\_\_\_, \_\_\_\_\_ Rule: \_\_\_\_\_

107, 97, \_\_\_\_\_, \_\_\_\_\_, 67, \_\_\_\_\_ Rule: \_\_\_\_\_

36, 42, \_\_\_\_\_, 54, \_\_\_\_\_, \_\_\_\_\_ Rule: \_\_\_\_\_

24, 36, 48, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ Rule: \_\_\_\_\_

235, 233, \_\_\_\_\_, 229, \_\_\_\_\_, \_\_\_\_\_ Rule: \_\_\_\_\_

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My **addition** number pattern rule: \_\_\_\_\_

My number pattern is: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

My **subtraction** number pattern rule: \_\_\_\_\_

My number pattern is: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

# Identifying Number Pattern Rules **Answers**

9, **14**, 19, 24, **29**, **34**

Rule: **+5**

48, 44, **40**, **36**, 32, **28**

Rule: **-4**

99, 90, **81**, 72, **63**, **54**

Rule: **-9**

110, 130, **150**, 170, **190**, **210**

Rule: **+20**

107, 97, **87**, **77**, 67, **57**

Rule: **-10**

36, 42, **48**, 54, **60**, **66**

Rule: **+6**

24, 36, 48, **60**, **72**, **84**

Rule: **+12**

235, 233, **231**, 229, **227**, **225**

Rule: **-2**

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30, \_\_\_\_\_, 60, 75, \_\_\_\_\_, \_\_\_\_\_ Rule: \_\_\_\_\_

66, 63, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 51 Rule: \_\_\_\_\_

249, 244, \_\_\_\_\_, \_\_\_\_\_, 229, \_\_\_\_\_ Rule: \_\_\_\_\_

21, 28, \_\_\_\_\_, \_\_\_\_\_, 49, \_\_\_\_\_ Rule: \_\_\_\_\_

72, 60, 48, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ Rule: \_\_\_\_\_

8, 16, 24, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ Rule: \_\_\_\_\_

132, \_\_\_\_\_, 140, \_\_\_\_\_, 148, \_\_\_\_\_ Rule: \_\_\_\_\_

109, 100, \_\_\_\_\_, \_\_\_\_\_, 73, \_\_\_\_\_ Rule: \_\_\_\_\_

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Don't forget to write down the rule!

My **addition** number pattern rule: \_\_\_\_\_

My number pattern is: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

My **subtraction** number pattern rule: \_\_\_\_\_

My number pattern is: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

# Identifying Number Pattern Rules **Answers**

30, **45**, 60, 75, **90**, **105**

Rule: **+15**

66, 63, **60**, **57**, **54**, 51

Rule: **-3**

249, 244, **239**, **234**, 229, **224**

Rule: **-5**

21, 28, **35**, **42**, 49, **56**

Rule: **+7**

72, 60, 48, **36**, **24**, **12**

Rule: **-12**

8, 16, 24, **32**, **40**, **48**

Rule: **+8**

132, **136**, 140, **144**, 148, **152**

Rule: **+4**

109, 100, **91**, **82**, 73, **64**

Rule: **-9**