

Sequences with Decimals

1. Follow the rules to complete the patterns.

- | | Rule | |
|----|--------------|--|
| a) | +0.2 | 5.4, 5.6, 5.8, ____, ____, ____, 6.6, ____ |
| b) | +4 | 2.85, 6.85, ____, ____, 18.85, ____, ____, 30.85 |
| c) | -0.3 | 7.9, 7.6, 7.3, ____, ____, 6.4, ____, ____ |
| d) | -1.5 | ____, 13.5, 11.0, ____, ____, ____, 5.0, ____ |
| e) | +0.25 | ____, ____, ____, 1.50, 1.75, ____, 2.25, ____ |
| f) | -0.21 | 2.09, 1.88, 1.67, ____, ____, ____, ____, ____ |

2. Work out the rule each pattern is following then write the missing numbers.

- | | Rule |
|---|----------------------|
| a) 12.5, 12.3, 12.1, ____, ____, ____, ____, ____ | <input type="text"/> |
| b) 6.75, 6.8, 6.85, ____, ____, ____, ____, ____ | <input type="text"/> |
| c) 1.45, 2.48, 3.51, ____, ____, ____, ____, ____ | <input type="text"/> |
| d) 5.8, 5.4, 5, ____, ____, ____, ____, ____ | <input type="text"/> |

Sequences with Decimals **Answers**

1. Follow the rules to complete the patterns.

	Rule	
a)	+0.2	5.4, 5.6, 5.8, 6.0, 6.2, 6.4, 6.6, 6.8
b)	+4	2.85, 6.85, 10.85, 14.85, 18.85, 22.85, 26.85, 30.85
c)	-0.3	7.9, 7.6, 7.3, 7.0, 6.7, 6.4, 6.1, 5.8
d)	-1.5	15.0, 13.5, 11.0, 9.5, 8.0, 6.5, 5.0, 3.5
e)	+0.25	0.75, 1, 1.25, 1.50, 1.75, 2, 2.25, 2.5,
f)	-0.21	2.09, 1.88, 1.67, 1.46, 1.25, 1.04, 0.83, 0.62

2. Work out the rule each pattern is following then write the missing numbers.

	Rule
a) 12.5, 12.3, 12.1, 11.9, 11.7, 11.5, 11.3, 11.1	-0.2
b) 6.75, 6.8, 6.85, 6.9, 6.95, 7, 7.05, 7.1	+0.05
c) 1.45, 2.48, 3.51, 4.54, 5.57, 6.6, 7.63, 8.66	+1.03
d) 5.8, 5.4, 5, 4.6, 4.2, 3.8, 3.4, 3	-0.4