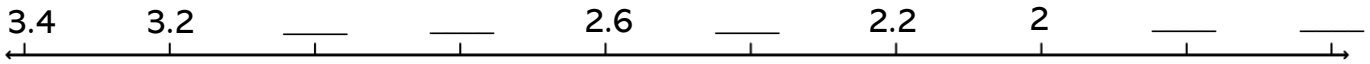


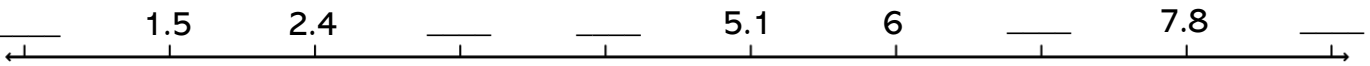
# Decimal Patterns

1. The number lines are missing decimals. Fill them in to finish the patterns.

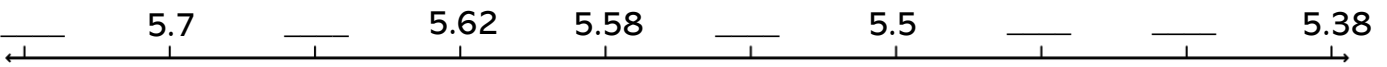
a)



b)



c)



2. Follow the rules to complete the patterns.

**Rule**

- a) +0.2    5.4, 5.6, 5.8, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 6.6, \_\_\_\_\_
- b) -2    14.5, 12.5, \_\_\_\_\_, \_\_\_\_\_, 6.5, \_\_\_\_\_, 2.5, \_\_\_\_\_
- c) -0.02    1.10, 1.08, 1.06, \_\_\_\_\_, 1.02, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

3. Work out the rule for each pattern and then write the missing numbers.

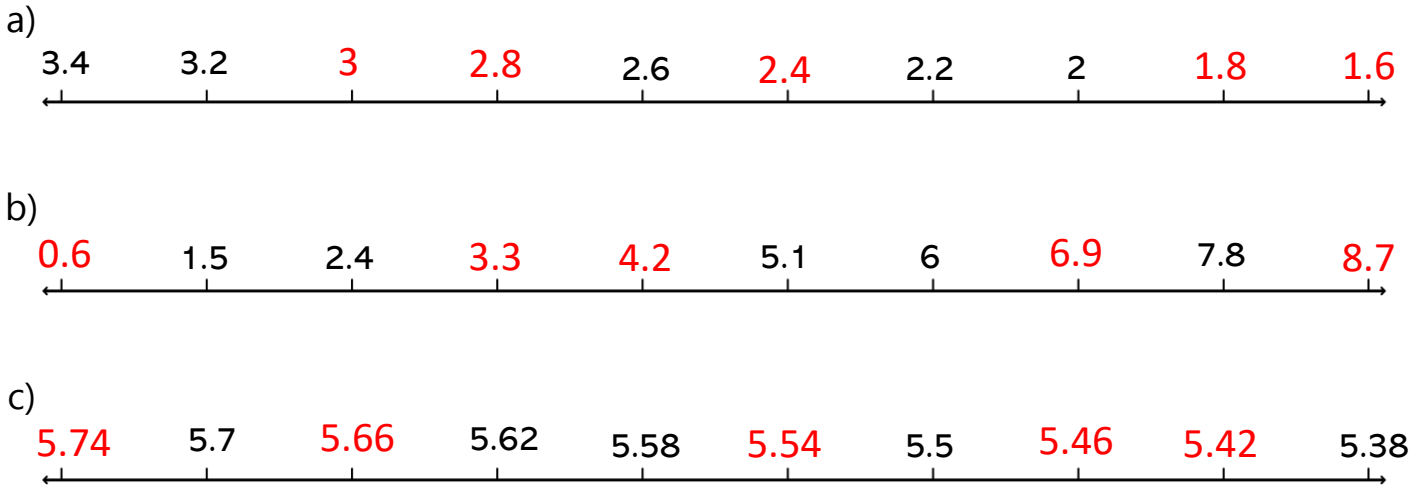
- |  | <b>Rule</b> |
|--|-------------|
| a) 10.3, 10, 9.7, _____, _____, _____, _____, _____    |             |
| b) 1.25, 1.5, 1.75, _____, _____, _____, _____, _____  |             |
| c) 3.26, 4.27, 5.28, _____, _____, _____, _____, _____ |             |

4. Create two decimal patterns- one ascending and one descending.

- Ascending    \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
- Descending    \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

# Decimal Patterns **Answers**

1. The number lines are missing decimals. Fill them in to finish the patterns.



2. Follow the rules to complete the patterns.

**Rule**

- a) +0.2    5.4, 5.6, 5.8,    6,    6.2, 6.4, 6.6, 6.8
- b) -2    14.5, 12.5, 10.5, 8.5, 6.5, 4.2, 2.5, 0.5
- c) -0.02    1.10, 1.08, 1.06, 1.04, 1.02, 1, 0.98, 0.96

3. Work out the rule for each pattern and then write the missing numbers.

- |   | <b>Rule</b> |
|---|-------------|
| a) 10.3, 10, 9.7, 9.4, 9.1, 8.8, 8.5, 8.2         | -0.3        |
| b) 1.25, 1.5, 1.75, 2, 2.25, 2.5, 2.75, 3         | +0.25       |
| c) 3.26, 4.27, 5.28, 6.29, 7.3, 8.31, 9.32, 10.33 | +1.01       |

4. Create two decimal patterns- one ascending and one descending.

Ascending    \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Descending    \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_