Practice worksheet | Patterns and equations

Growing rational patterns

Name: _____ Date: _____

6 questions | 11 marks

1. Continue the constant-step pattern with two terms: 0.3, 0.6, 0.9, ... [2 marks]

2. Continue by adding $\frac{1}{5}$ each time: $\frac{2}{5}$, $\frac{3}{5}$, $\frac{4}{5}$, ... [2 marks]

3. Find the missing value in this constant-difference pattern: 1.2, 1.6, __, 2.4. [1 mark]

4. A pattern decreases by 0.25. Start at 2 and write the next three terms. [2 marks]

5. A jogger increases a route by 0.5 km each week. Week 1 is 2 km. How far is week 4? [2 marks]

6. A learner continues $\frac{1}{2}$, $\frac{3}{4}$, 1 with $\frac{1}{4}$. Explain the error under the add-$\frac{1}{4}$ rule. [2 marks]