**Practice Worksheet**

The Book of Sand

Consider the sequence , whose first six terms are:

1. Indicate whether the following statements are true or false.

|  |  |  |
| --- | --- | --- |
| Statement | T | F |
| The term can be written as |  |  |
| The general expression for the numerator is 5 |  |  |
| The expression for the denominator is |  |  |
| The expression for the denominator is |  |  |

1. Find a possible general term for .
2. The following app (<https://www.geogebra.org/m/zuxt7xmd>) shows some terms of the sequence on the number line. Move the slider to change the value of and conjecture the limit of this sequence.

|  |  |
| --- | --- |
|  |  |

**Solutions**

**Activity 1**

|  |  |  |
| --- | --- | --- |
| **1** |  | T  F  T  F  T |

|  |  |
| --- | --- |
| **2** |  |

|  |  |
| --- | --- |
| **3** |  |