Iteration

Exit ticket Name _____

1. $x_0 = 2$ and $x_{n+1} = \frac{x_n + 22}{4}$
   Find x_1 and x_2.

2. $x_0 = 1$ and $x_{n+1} = \sqrt{x_n + 11}$
   Find x_1 and x_2 to 3 decimal places.

3. $x_0 = 2$ and $x_{n+1} = \sqrt{x_n + 5}$
   Keep going until two values in a row agree to 2 decimal places. Write the solution.

The Maths Habit

Iteration

Exit ticket Name _____

1. $x_0 = 2$ and $x_{n+1} = \frac{x_n + 22}{4}$
   Find x_1 and x_2.

2. $x_0 = 1$ and $x_{n+1} = \sqrt{x_n + 11}$
   Find x_1 and x_2 to 3 decimal places.

3. $x_0 = 2$ and $x_{n+1} = \sqrt{x_n + 5}$
   Keep going until two values in a row agree to 2 decimal places. Write the solution.

The Maths Habit

Iteration

Exit ticket Name _____

1. $x_0 = 2$ and $x_{n+1} = \frac{x_n + 22}{4}$
   Find x_1 and x_2.

2. $x_0 = 1$ and $x_{n+1} = \sqrt{x_n + 11}$
   Find x_1 and x_2 to 3 decimal places.

3. $x_0 = 2$ and $x_{n+1} = \sqrt{x_n + 5}$
   Keep going until two values in a row agree to 2 decimal places. Write the solution.

The Maths Habit

Iteration

Exit ticket Name _____

1. $x_0 = 2$ and $x_{n+1} = \frac{x_n + 22}{4}$
   Find x_1 and x_2.

2. $x_0 = 1$ and $x_{n+1} = \sqrt{x_n + 11}$
   Find x_1 and x_2 to 3 decimal places.

3. $x_0 = 2$ and $x_{n+1} = \sqrt{x_n + 5}$
   Keep going until two values in a row agree to 2 decimal places. Write the solution.

The Maths Habit

Iteration

Exit ticket Name _____

1. $x_0 = 2$ and $x_{n+1} = \frac{x_n + 22}{4}$
   Find x_1 and x_2.

2. $x_0 = 1$ and $x_{n+1} = \sqrt{x_n + 11}$
   Find x_1 and x_2 to 3 decimal places.

3. $x_0 = 2$ and $x_{n+1} = \sqrt{x_n + 5}$
   Keep going until two values in a row agree to 2 decimal places. Write the solution.

The Maths Habit

Iteration

Exit ticket Name _____

1. $x_0 = 2$ and $x_{n+1} = \frac{x_n + 22}{4}$
   Find x_1 and x_2.

2. $x_0 = 1$ and $x_{n+1} = \sqrt{x_n + 11}$
   Find x_1 and x_2 to 3 decimal places.

3. $x_0 = 2$ and $x_{n+1} = \sqrt{x_n + 5}$
   Keep going until two values in a row agree to 2 decimal places. Write the solution.

The Maths Habit