

Freddie's Frog Pond

Grade 1 · Growing patterns · 1.PFA.1

Name _____

Date _____



Freddie the frog lives in a busy pond full of bugs, lily pads and friends. Solve each problem to help Freddie out!

How does it grow? Count each step. How many will step 4 have?



Step 1:



Step 2:



Step 3:

Step 4:



Step 1:



Step 2:



Step 3:

Step 4:

Growing numbers How much does each one grow? Fill in the boxes.

3, 5, , 9, , 13

24, 29, , 39, , 49

57, 67, , 87, , 107

44, 47, , 53, 56,

Same pattern, new way Circle the letters that show the same pattern.

up, down, up, down

A B A B A B B A A A B A

red, blue, green, red, blue, green

A B B A B B A B A B A B A B C A B C

clap, stomp, snap, clap, stomp, snap

A B A B A B A B C A B C A A B A A B



Freddie's Frog Pond

Grade 1 · Growing patterns · 1.PFA.1

ANSWER KEY



Freddie the frog lives in a busy pond full of bugs, lily pads and friends. Solve each problem to help Freddie out!

How does it grow? Count each step. How many will step 4 have?



Step 1:



Step 2:



Step 3:

Step 4:



Step 1:



Step 2:



Step 3:

Step 4:

Growing numbers How much does each one grow? Fill in the boxes.

3, 5, , 9, , 13

24, 29, , 39, , 49

57, 67, , 87, , 107

44, 47, , 53, 56,

Same pattern, new way Circle the letters that show the same pattern.

up, down, up, down

A B A B A B B A A A B A

red, blue, green, red, blue, green

A B B A B B A B A B A B A B C A B C

clap, stomp, snap, clap, stomp, snap

A B A B A B A B C A B C A A B A A B



Freddie's Frog Pond

Grade 1 · Growing patterns · 1.PFA.1

GUIDE

1 What this sheet practises

Growing patterns that get bigger by the same amount each step, number patterns that add the same number, and showing a pattern in a new way with letters.

2 A problem from the sheet, worked out

How does it grow? Count each step. How many will step 4 have?



Step 1: **2**



Step 2: **3**



Step 3: **4**

Step 4: **5**

How: Count each step and see how many more each one has. Add that much again to find the next step.

3 Words to know

pattern something that repeats or grows in a rule

growing pattern gets bigger by the same amount each step

step one part of a growing pattern

rule what happens from one step to the next

4 Watch for

- Adding 1 each time when the steps grow by 2.
- Copying the last step instead of growing it.
- Giving each word its own letter even when it repeats.

5 Where it fits

BEFORE

K.CC.A.2

Count forward from any number, not just 1.

THIS SHEET

1.PFA.1

Continue and create repeating and growing patterns, and show one pattern in a different form.

NEXT

3.OA.D.9

Find and explain patterns in addition and multiplication tables.

6 Helping at home

Build a staircase with blocks: 1, then 2, then 3. Ask how many the next stair needs, then try growing by 2.

