

Growing Creatures

Objectives:

create growing patterns

communicate how the pattern grows by using words, numbers or diagrams

Materials:

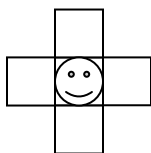
color tiles, or any type of small squares, or paper squares

Growing Creature blackline for each student

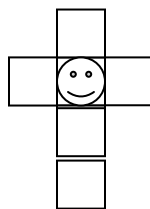
Directions:

1. Demonstrate day 1 of the creature's growth.
Explain that this is what the creature looks like on day 1. It takes 5 squares to build the creature on day 1. It grows the same amount each day.
What will it look like on day 2 and on day 3?
2. There are several possible patterns that will work. Any pattern that shows an increase by the same quantity each successive day is correct.
3. As students finish their creatures, questions the teacher may ask are:
 - What do you notice?
 - Describe the pattern?
 - What is changing in each of these figures?
 - What is staying the same?
 - What do you notice about figure number ____ and ____
 - How can you use this information to build this figure?
4. Possible answers (but others may be created by students):

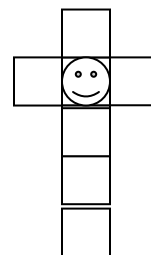
Day 1



Day 2

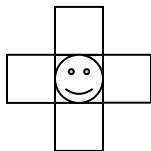
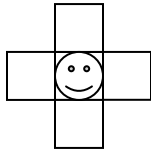
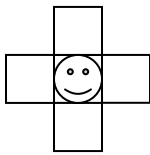
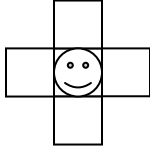


Day 3

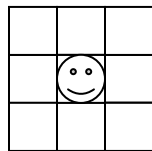
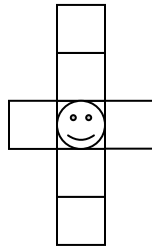
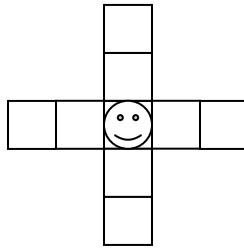
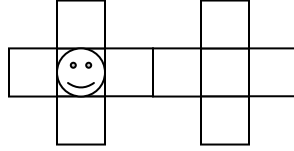


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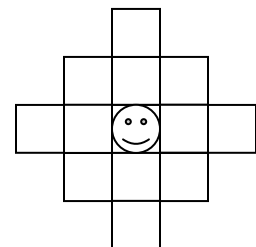
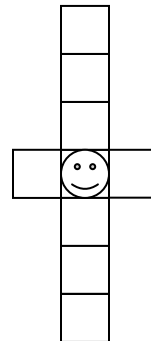
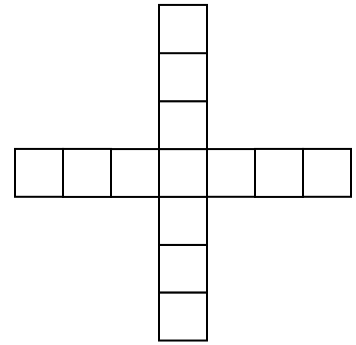
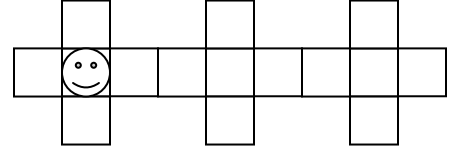
Day 1



Day 2



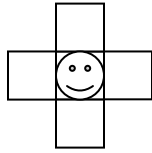
Day 3



Growing Creatures

Name _____

Look at this creature



On day one it takes 5 tiles to build this creature.

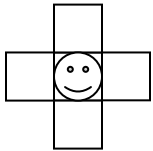
It grows the same amount each day.

What will it look like on day 2 and day 3?

Day 1

Day 2

Day 3



5
How many squares?

How many squares?

How many squares?

How many squares will it have on day 4? _____

On the back of this paper or on another piece of paper describe how your creature grew. Tell about the pattern you see in the shapes. Use words, numbers and or pictures to describe your pattern.