

# Numeracy

## Foundation

Screen-free learning resources that build multiple skills.



Content Partners

# Check if this Workbook is right for you.

**Answer the following questions in 20 minutes.**

1. Count the objects and write down the number.



2. What is the next number?

2 \_\_\_\_\_

8 \_\_\_\_\_

3. Match the shape with the object.



4. Draw a triangle and a circle.

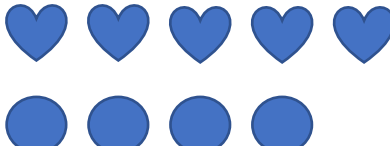
5. What comes next?



*Check your answers using the key on the next page.*

# Answer Key

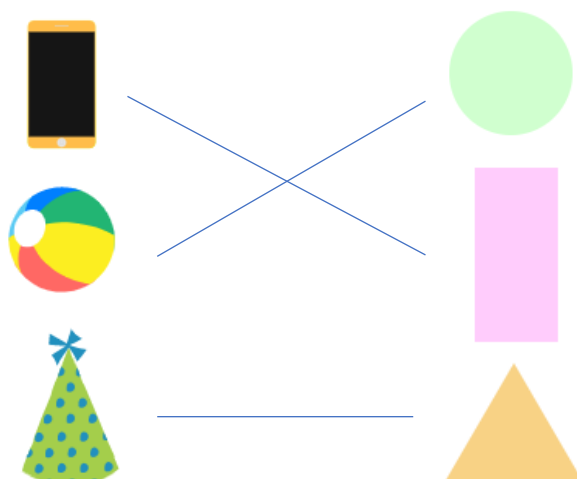
Give the allotted marks for each correct answer.

1.  5  
4

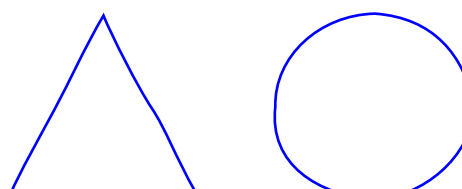
1 mark each.

2. 2 3 8 9

1 mark each.

3. 

1 mark each.

4. 

1 mark each.

5.                      

1 mark

If your score is:

6 or less	This workbook is right for you!
7 or more	Use the <b>Numeracy Workbook for Level 0</b>

# My Learning Journey

Name: \_\_\_\_\_

Draw yourself here.

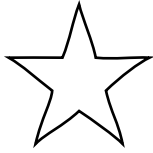
## Week 1



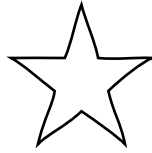
Day 1



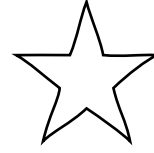
Day 2



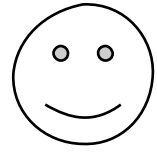
Day 3



Day 4



Day 5

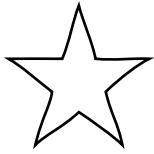


**DONE!**

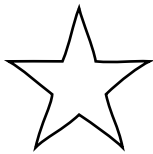
## Week 2



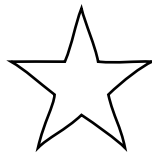
Day 1



Day 2



Day 3



Day 4

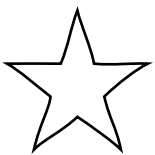


Day 5

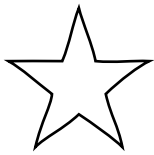


**DONE!**

## Week 3



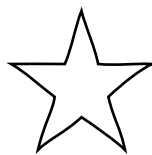
Day 1



Day 2



Day 3



Day 4

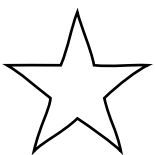


Day 5



**DONE!**

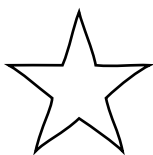
## Week 4



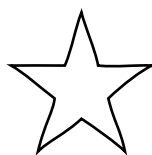
Day 1



Day 2



Day 3



Day 4



Day 5



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## My Emotions

Every day, draw how you feel in your notebook.

Today, I feel



Happy



Angry



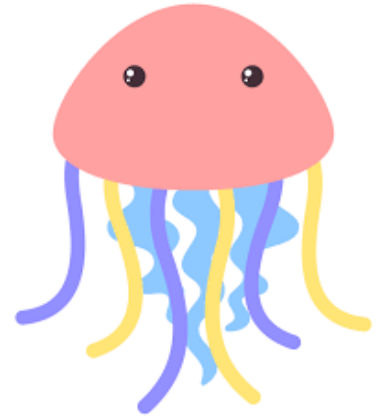
Sad



# Week 1 Overview

## Project My Jellyfish

Explore numbers 1 to 10  
and counting.



We will also do the following activities:

### 1 One and Two

Explore counting objects in ones and twos.

### 2 Jumping Game

Play a game to practice counting.

### 3 Let's Count Legs

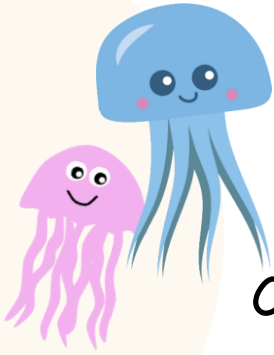
Count how many legs different animals have.

### 4 Be the Line

Try looking like different lines!

### Materials Needed

- Paper
- Glue / Tape
- Pencil
- Scissors



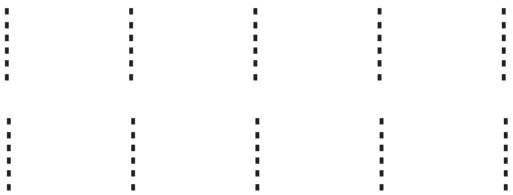
## My Jellyfish

A jellyfish is a sea animal with many legs.

Can you make a jellyfish and count its legs?

Trace the following lines:

Standing Line

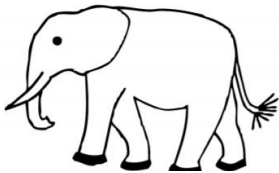


Sleeping Line

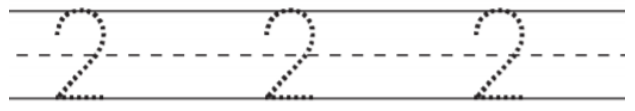


How many fingers is 1 and 2?

1



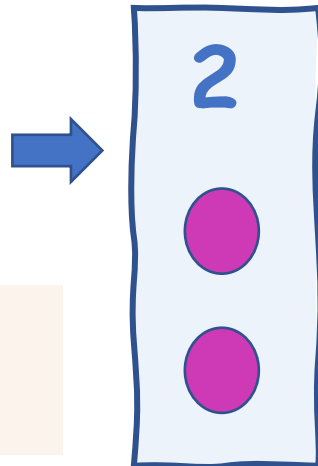
2



## Making Jellyfish Legs

Tear 10 equal thin strips of paper to make the legs of your jellyfish.

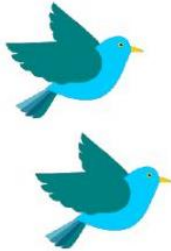


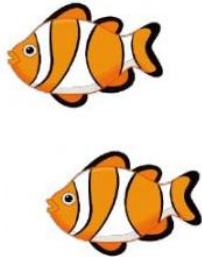


Make the jellyfish legs for the numbers '1' and '2'.



Write the number

Draw the same number of circles.

Count the items and circle the correct number.

	1 2		1 2
	1 2		1 2
	1 2		1 2



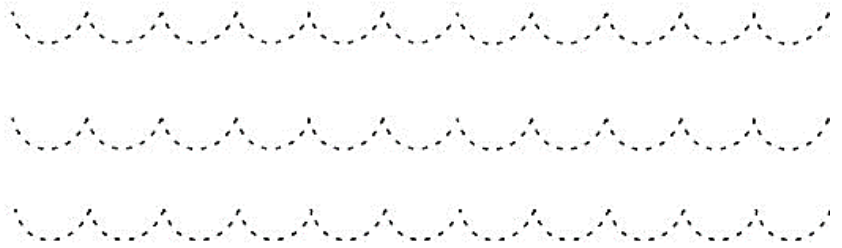
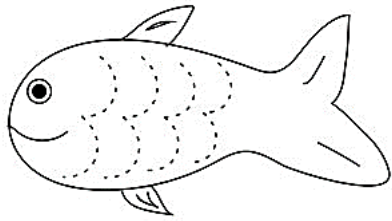
Trace the numbers 1 and 2 on mud or rice, etc. to practice

Try make the numbers '1' and '2' using a piece of cloth.



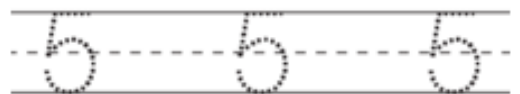
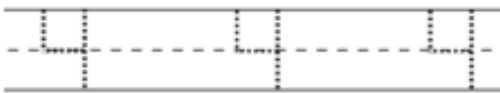
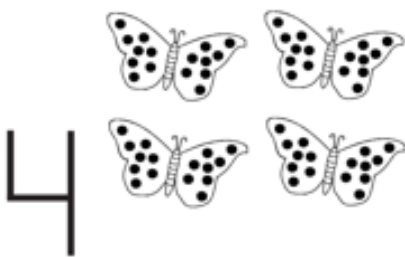
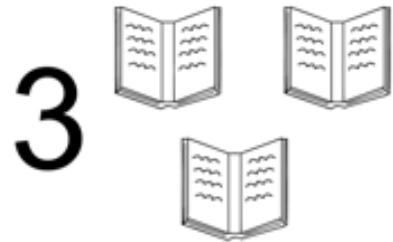
Trace the **Curved Lines**

Show a curved line with your body!



Where do you see curved lines around you?

- Show 3, 4, and 4 on your fingers.
- Count the items and trace.
- What are these items called?
- Which letter do they start with?



## My Jellyfish

Make the Jellyfish legs for the numbers 3, 4, and 5.

# Jumping Game

## No. of Players

2 or more players

## How to Play

- Call out a number from 1 to 5.
- Players jump while counting to the number called.
- Whoever does it the fastest gets 1 point.



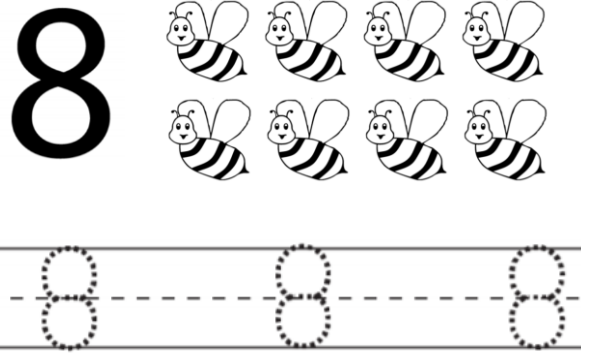
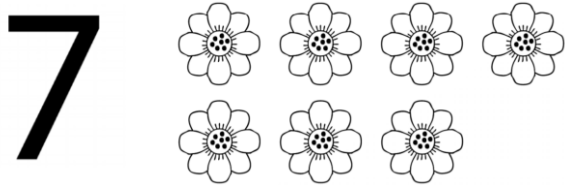
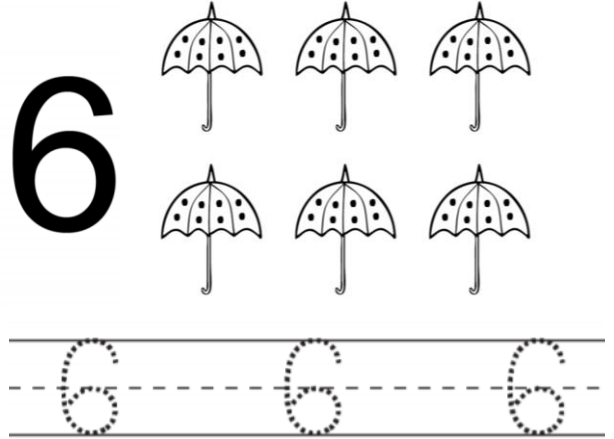
**Who has the most points?**

**They win the game!**

## Slanting Lines



Count and trace these numbers:



Ask someone to show any number on their fingers.  
Say the number and clap that many times.



## My Jellyfish

Make the Jellyfish legs for the numbers 6, 7, and 8.

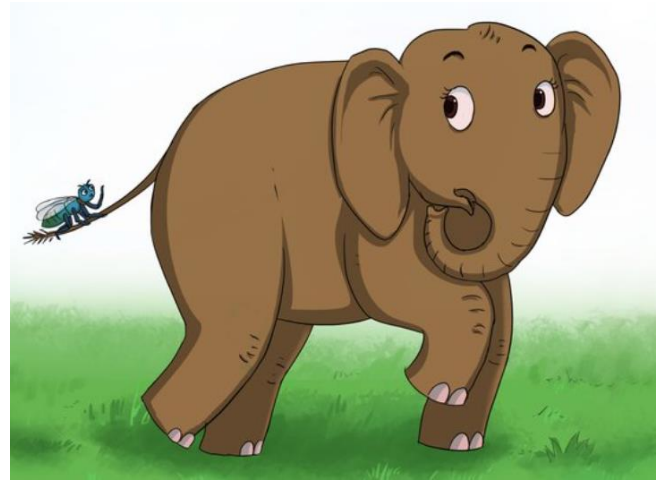
# Let's Count Legs



Do all animals have the same number of legs?

A bird has \_\_\_\_\_ legs.  
How many legs do you have?

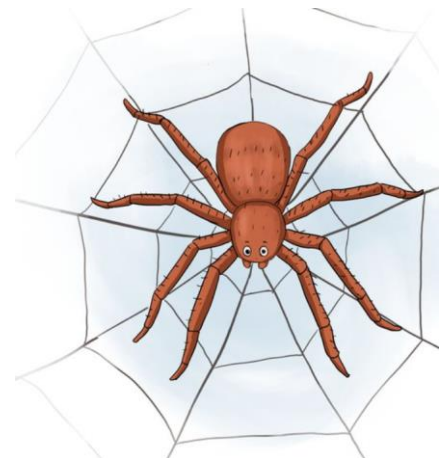
An elephant has \_\_\_\_\_ legs.



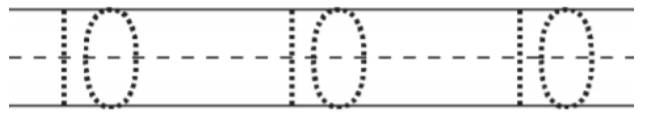
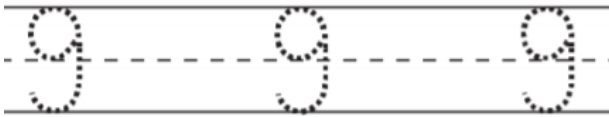
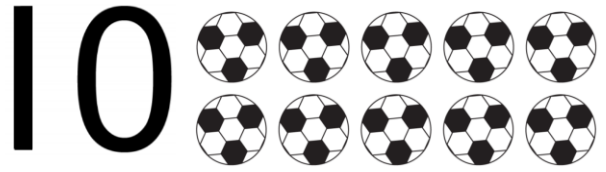
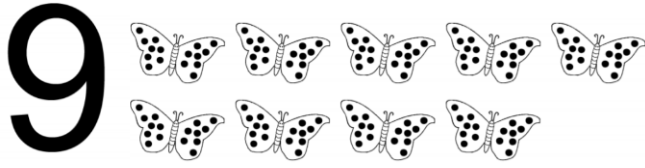
A firefly has \_\_\_\_\_ legs.



A spider has \_\_\_\_\_ legs.



Count and trace these numbers:

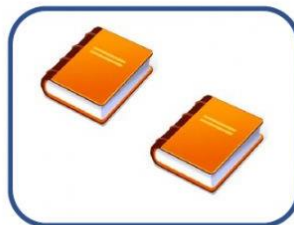
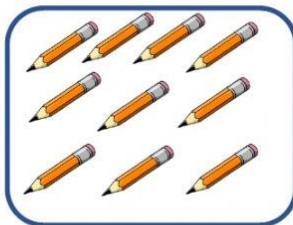
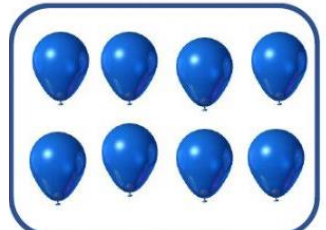
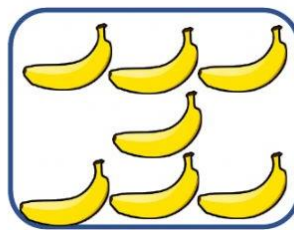
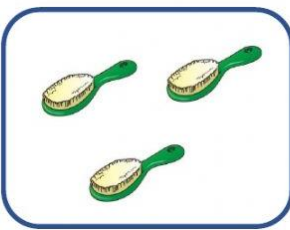
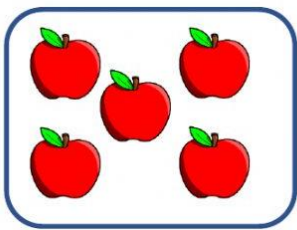


## My Jellyfish

Make the Jellyfish legs for the numbers 9 and 10.

### Let's Revise!

Count the objects and write the number.



# Be the Line

Take 3 deep breaths. Make these lines with your body!

## Standing Line



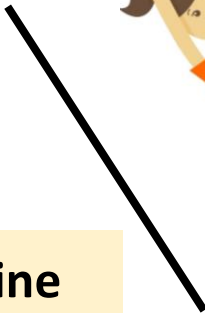
## Sleeping Line



## Curved Line



## Slanting Line



Collect household objects in different quantities and arrange them from 1 to 10.



1 Pot



2 spoons



3 books



4 pens

## My Jellyfish

### Make Your Jellyfish

- Cut out a semi-circle and draw the face of your jellyfish.
- Arrange and stick the leg strips to the face, from the smallest to the largest.



### Present Your Jellyfish

- Show and explain your Jellyfish to your friends and family.
- Count the total number of legs of your Jellyfish.

### Let's Revise!

How many of these body parts do you have?

  1   mouth  
      eyes  
      head  
      arms



      toes  
      fingers  
      limbs (*hands and legs*)  
      ears

# Weekly Reflection

Did I enjoy learning this week?



What are some new things I learned?

*If you liked this, go to our IFERB website for hundreds of more such resources. Visit <https://resources.educationaboveall.org>*



# Week 2 Overview

## Project My Lovely Bird

Explore numbers 11 to 20  
and counting.



We will also do the following activities:

- 1 Object Hunt** Hunt for objects and practice counting.
- 2 Self Hug** Time to give yourself a big hug!
- 3 Connect the Dots** Count and connect the dots to reveal the image.
- 4 Counting Caterpillar** Fill in the missing numbers in the caterpillar.

### Materials Needed

- Paper
- Glue / Tape
- Pencil
- Scissors

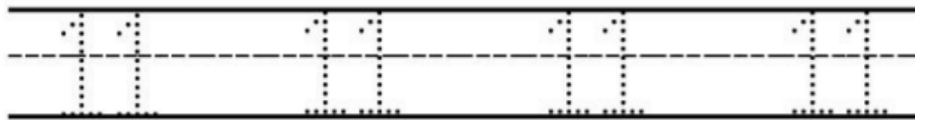


## My Lovely Bird

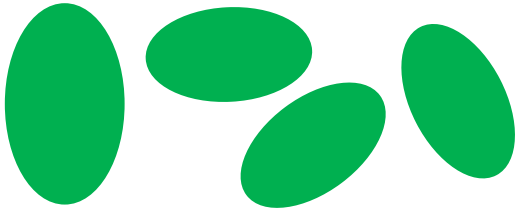
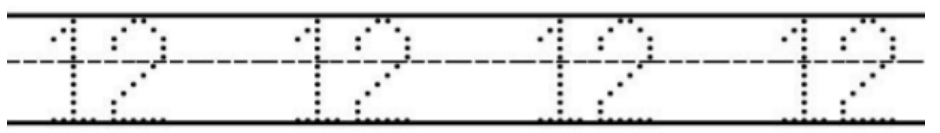
How many tail feather does your bird have?

What comes after 10? Count and trace these numbers:

11



12

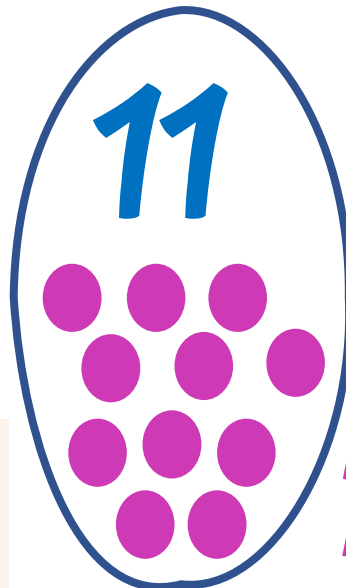


This shape is an 'Oval'.  
Find 3 oval objects at home.

## Making Your Bird

Draw and cut 10 oval shapes as tail feathers of your bird.

Make the tail feathers for the numbers '11' and '12'.



*Write the number*

*Draw the same number of circles.*

# Object Hunt

## No. of Players

2 or more players



## How to Play

- Call out a number from 1 to 12.
- Players must find and collect that many objects as fast as they can.

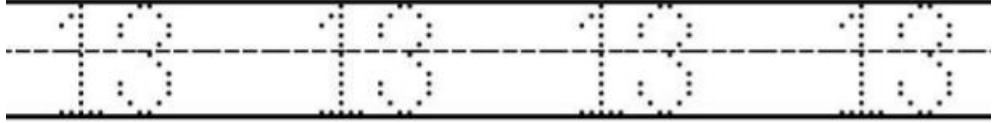
The player to bring the **correct number** of objects fastest gets **1 point**.

**Who has the most points? They win the game!**

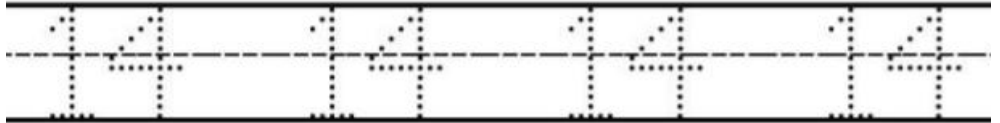


Count and trace these numbers:

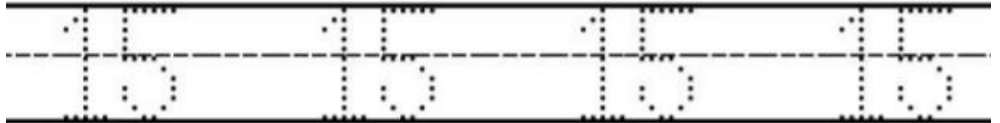
13



14



15



## My Lovely Bird

Make the tail feathers for the numbers 13, 14, and 15.

Try making the numbers 11 to 15 with your friends and get others to guess!

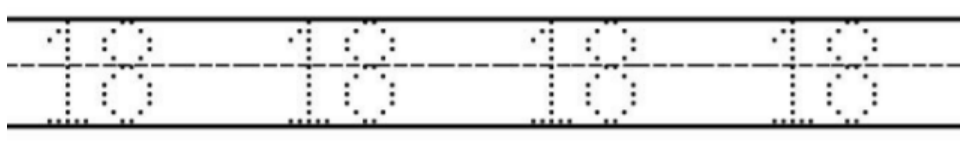
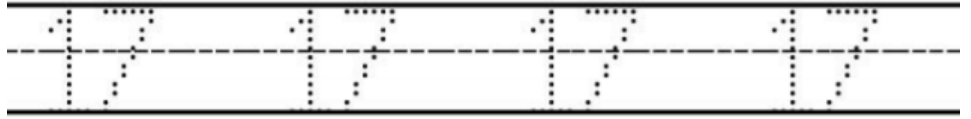
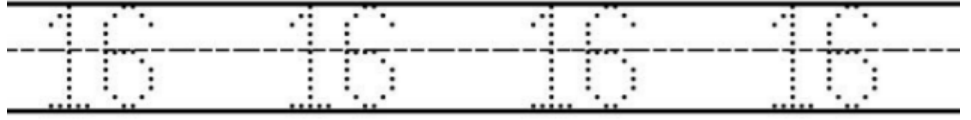


## Self Hug



- *Take a deep breath in and open your arms wide.*
- *Breathe out, hug yourself, and smile.*
- *Count to 15.*
- *Repeat this 2 times.*

Count and trace these numbers:



Try showing these numbers on your fingers.  
How many more fingers do you need?

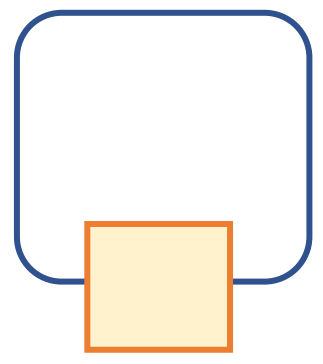
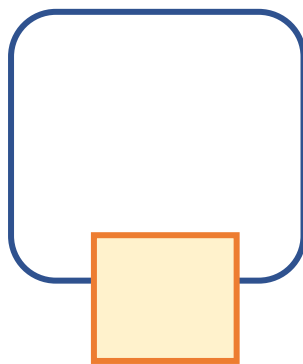
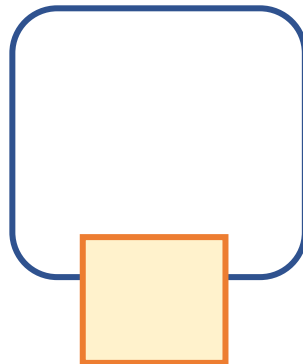
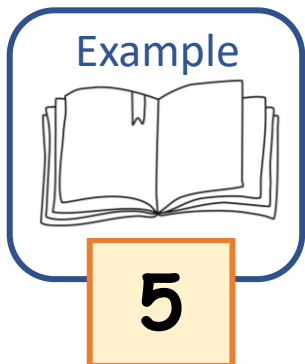
## My Lovely Bird

Make the tail feathers for the numbers 16, 17, and 18.

### Let's Revise!

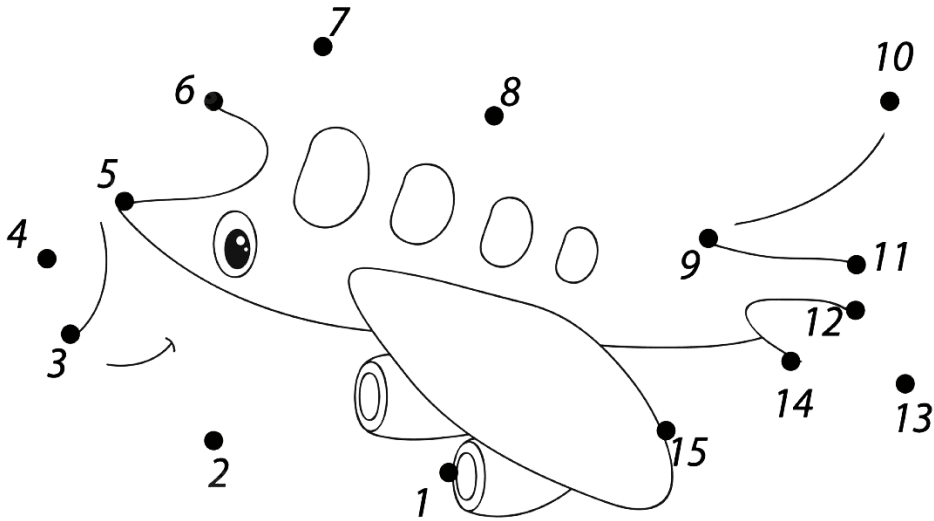
Think of 3 different items in your house.

Draw and write how many of each item there is in the house.



# Connect the dots

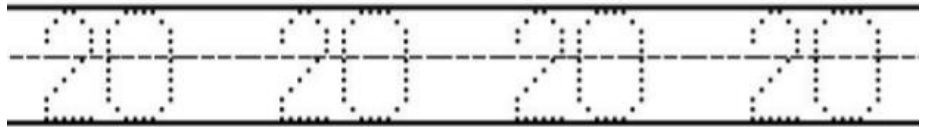
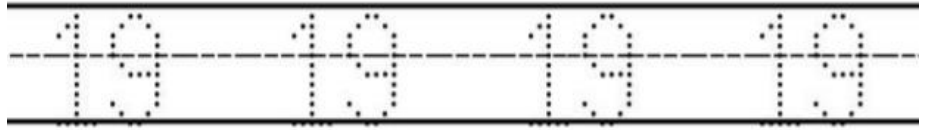
Connect the dots from 1 to 15. What do you see?



Trace the alphabet below. Count the number of sleeping, standing, and slanting lines.

A	B	C	D	E	F	G
H	I	J	K	L	M	N
O	P	Q	R	S	T	U
V	W	X	Y	Z		

Count and trace these numbers:



## My Lovely Bird

Make the tail feathers for the numbers 19 and 20.

### Let's Revise!

### Jumping Math

- A family member says a number from 11 to 20. Write the number.
- Hop that many times while counting!



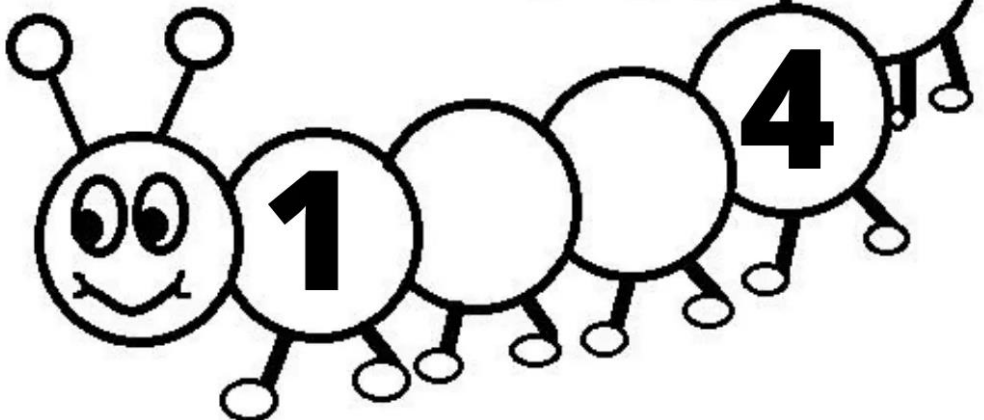
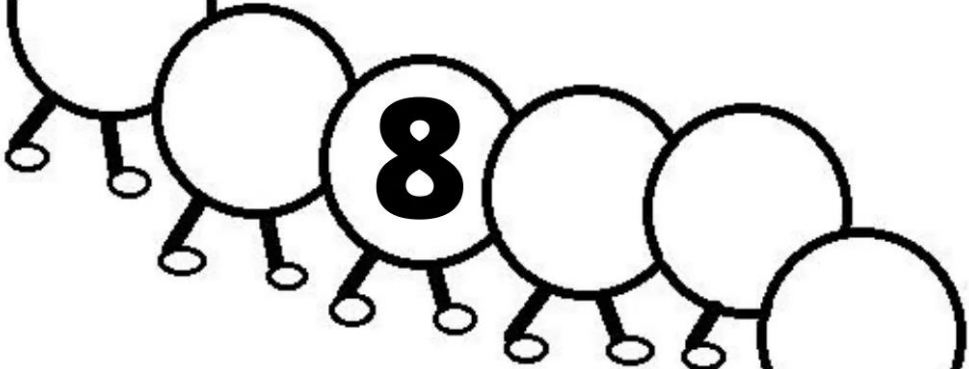
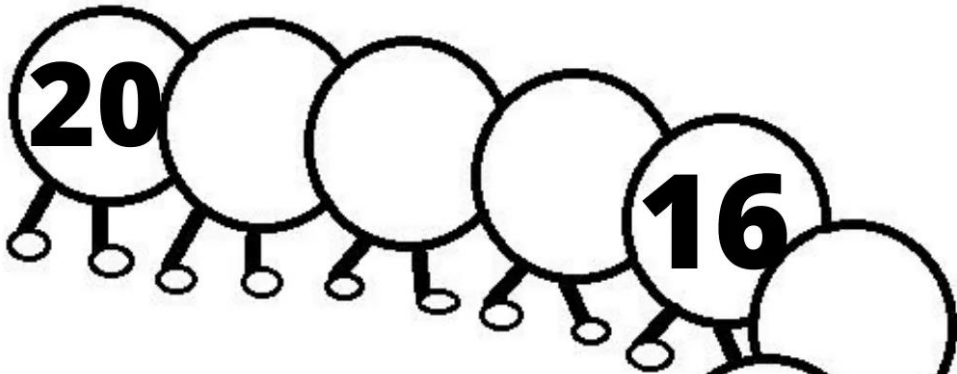
### True or False?

- There are 10 spoons in your house. \_\_\_\_\_
- There are 15 pens/pencils in your house. \_\_\_\_\_
- There are 8 boxes in your house. \_\_\_\_\_



# Counting Caterpillars

Write the missing numbers by counting from 1 to 20.



## My Lovely Bird

### Make Your Bird

- Make a big circle as the bird's body and a small circle as the bird's face.
- Add eyes and a beak to the face.
- Draw two legs.



Stick the feathers to the body in order.

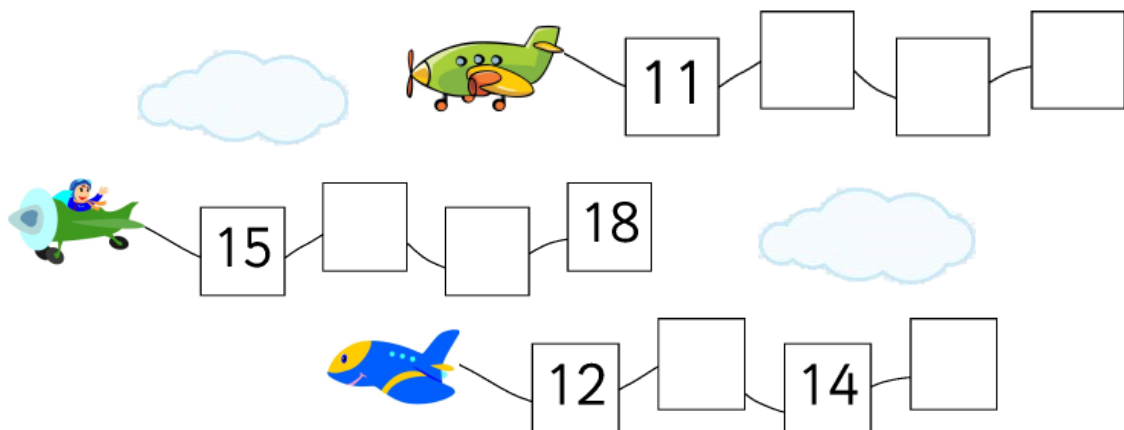
### Present Your Lovely Bird

- Show and explain your bird to your friends/ family.
- Count the total number of tail feathers.

Which is your favourite animals? Draw it!

Count and write the number of legs/hands/feathers it has.

### Let's Revise! Fill the missing numbers.



# Weekly Reflection

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What are some new things I learned?

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# Week 3 Overview



## Project **Beauty in Shapes**

Create a landscape (picture) using different shapes.



We will also do the following activities:

- 1 What Shape Are You?** Create shapes using your body in this Math game!
- 2 Shapes in Food** Observe shapes in food through a song!
- 3 Sunny Side** Think and draw what makes you happy.
- 4 Shape Matching** Match the object to its shape!

### Materials Needed

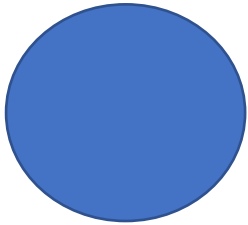
- Paper
- Colours
- Pencil



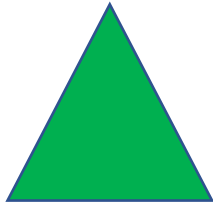
## Beauty in Shapes

Can I make a drawing using shapes?

Do you know these shapes?



Circle



Triangle


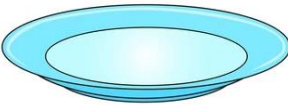






Rectangle



Square

Draw 2 objects in your house that look like each shape below.

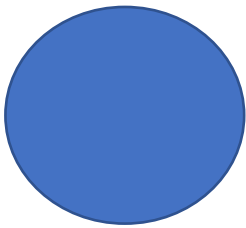
Shape	Object 1	Object 2
		
		
		
		

## What Shape Are You?

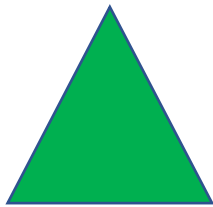
### How to Play

4 or more players

- Each player act out these shapes and lines:



Circle



Triangle



Rectangle



Square



Standing Line

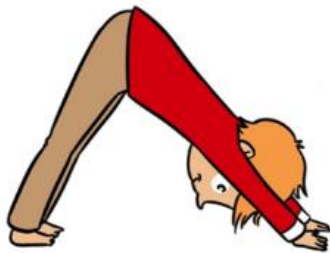


Slanting Line



Sleeping Line

- If others guess the shape/line correctly, the player gets a point.



Triangle



Square

**The player with the most points wins the game!**

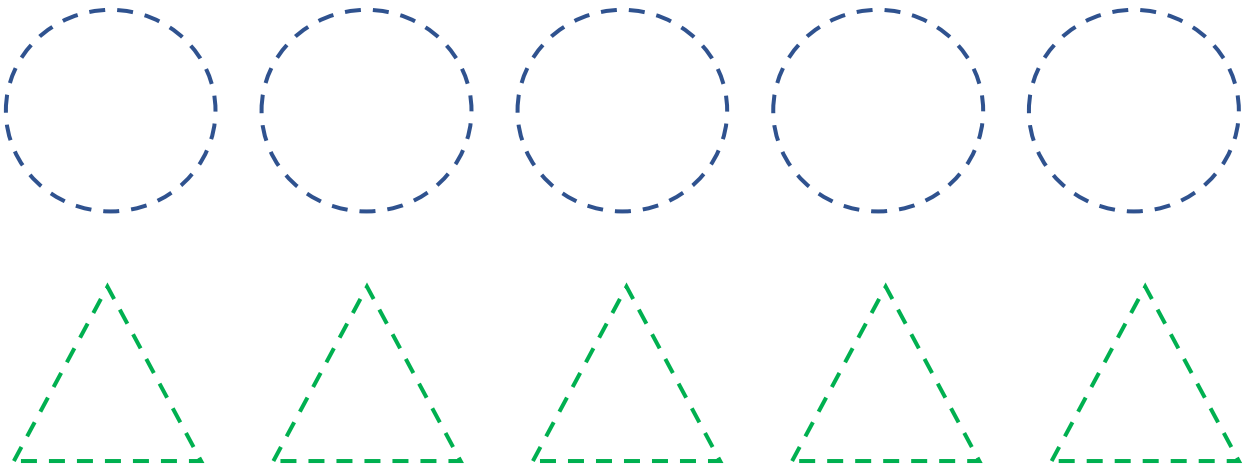
## Beauty in Shapes

We will make this drawing over the next few days or one of your own.



**Which shapes do you see?**

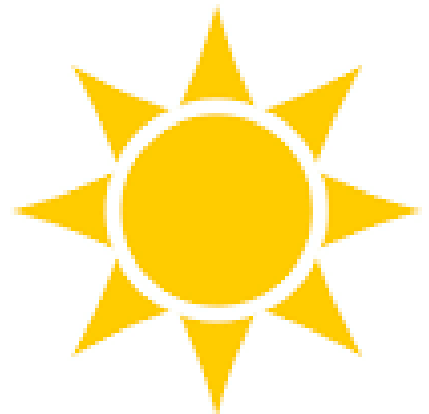
Let us practice drawing shapes! Trace the following:



**Make these shapes using a stick in the mud!**

### Drawing Activity

- Where can you find the sun?
- Which shapes do you see here?
- Can you draw the sun at the top of your page using circles, triangles, or lines?



## Shapes in Food

Circle the correct option.

Our food comes in many shapes.

A slice of bread is shaped like a \_\_\_\_\_



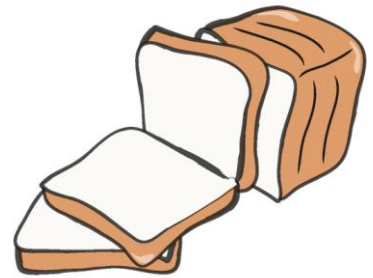
Circle



Triangle



Square



This pizza slice is \_\_\_\_\_ shaped



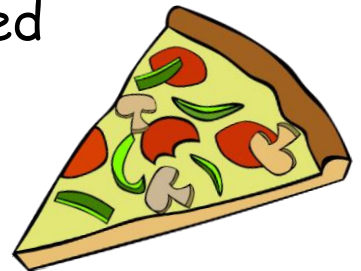
Circle



Triangle



Square



An orange is a \_\_\_\_\_ shape,



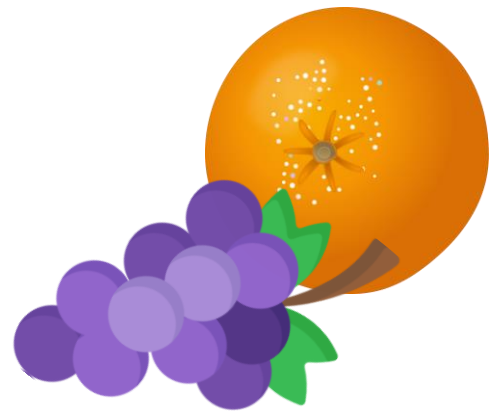
Circle



Triangle



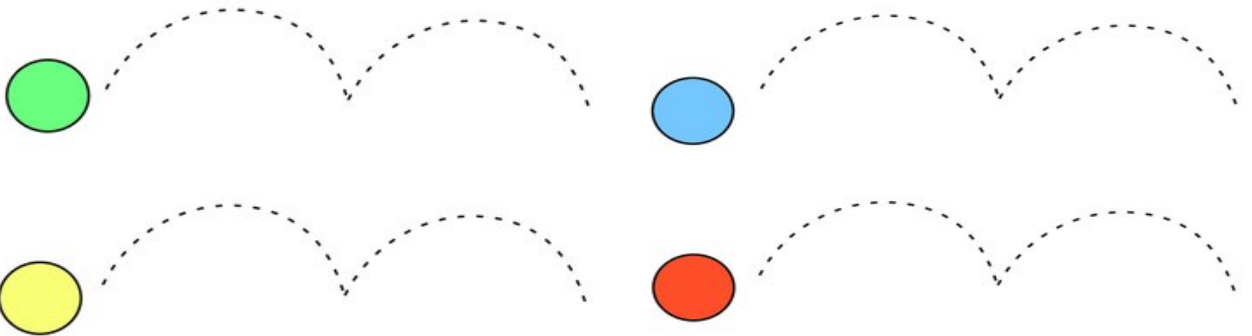
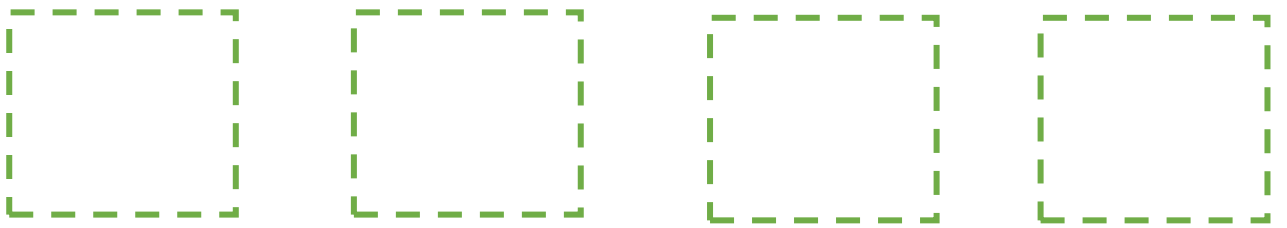
Square

Name or draw 3 other food items and  
the shapes they are.



## Beauty in Shapes

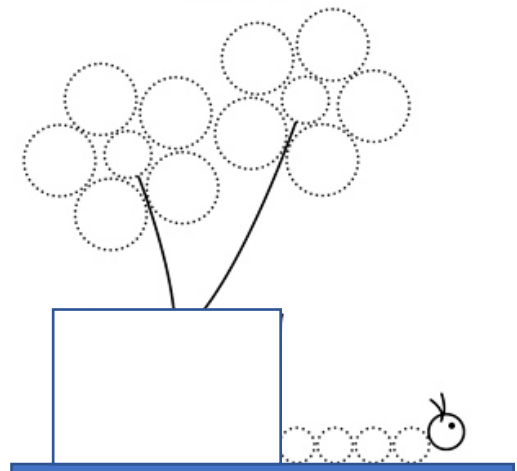
Let us practice drawing shapes and lines! Trace the following:



Make these shapes and lines using pebbles or leaves!

### Drawing Activity

Make 2 potted plants in your drawing using these shapes!

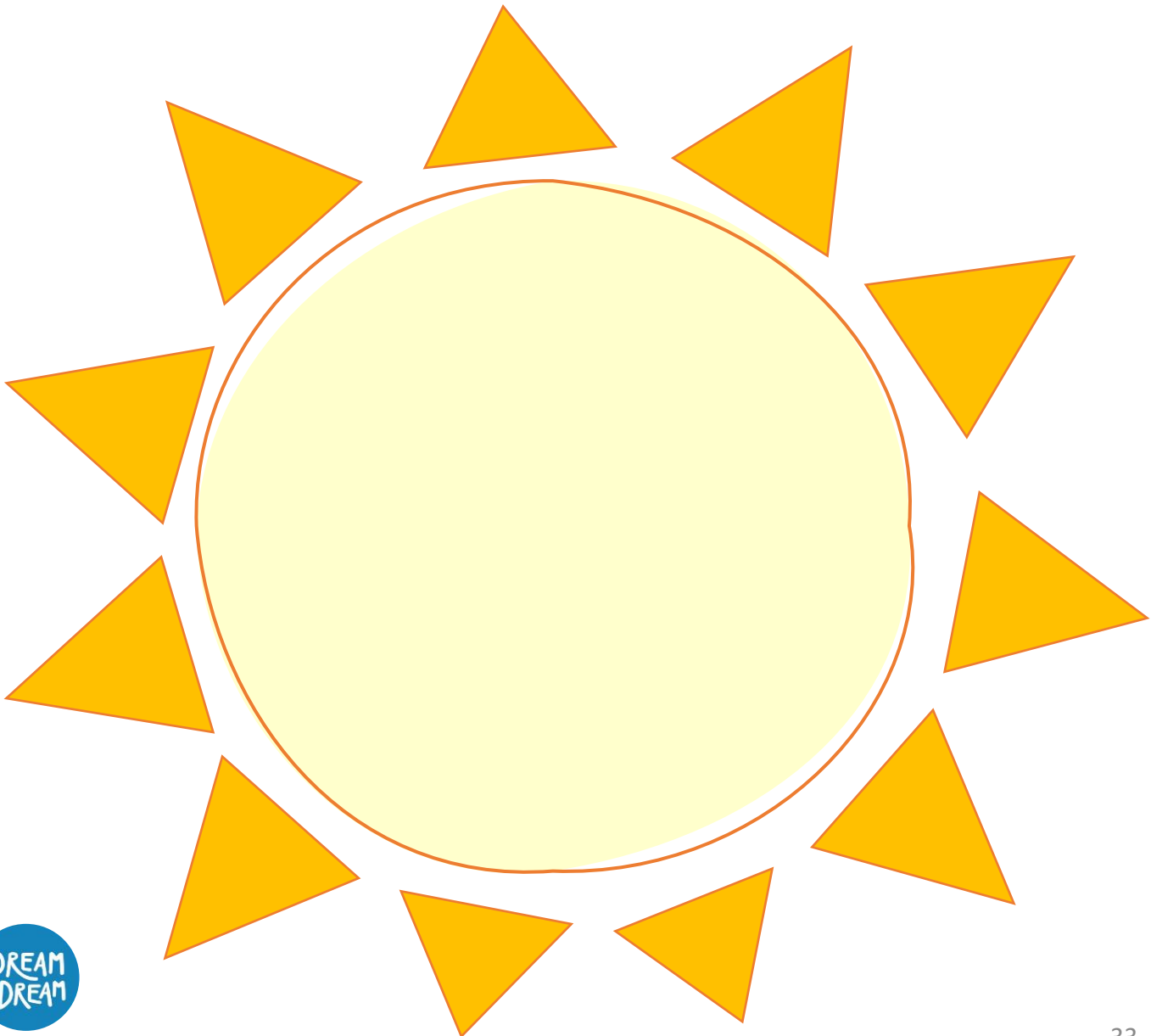


# Sunny Side

- Take 3 deep breaths.
- Close your eyes and think of things that make you **happy**.

## What comes to your mind?

Draw any 3 things and write the first letter of what they are. Ex: Toy - **T**



## Beauty in Shapes

Draw a house in your drawing using rectangles and squares.







**You can add details:**

- Door
- Windows
- Clouds
- Trees

## Let's Revise!

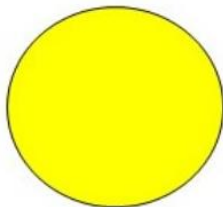
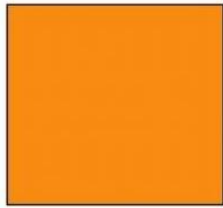
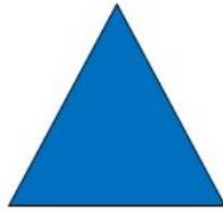
Look at this picture. Count the number of:



- Triangles 
- Rectangles 
- Squares 
- Circles 

# Shape Matching

Match the object to its shape.



Beauty in Shapes

Drawing Activity

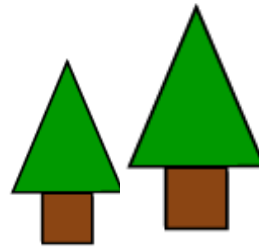
Add more ideas and details to your drawing:



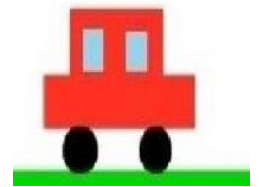
Grass



Birds



Trees



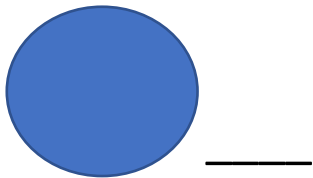
Car

Presenting Your Drawing

Show your final drawing to your family and friends.

Explain the shapes you used in the drawing.

How many of each shape can you see in your drawing?



# Weekly Reflection

Did I enjoy learning this week?

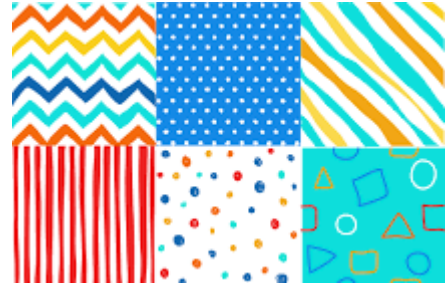


What are some new things I learned?

If you liked this, go to our IFERB website for hundreds of more such resources. Visit <https://resources.educationaboveall.org>

## Project Patterns Everywhere

Explore patterns  
around you.



We will also do the following activities:

### 1 Odd One Out

Spot the odd one out  
in a pattern.

### 2 Trace the Pattern

Draw different line patterns.

### 3 Free Flow

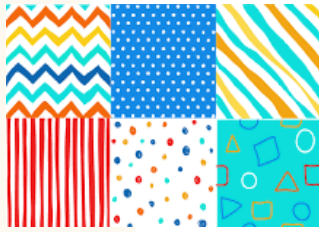
Create shapes and patterns  
with your hands.

### 4 Shape Sort

Practise a game to identify  
shapes.

## Materials Needed

- Paper
- Chalk / tape / rope / cloth
- Pencil



## Patterns Everywhere

How can patterns help us understand the world?



What is being repeated here?

Patterns are things, numbers, or shapes that repeat.

Circle what will come next in these patterns.


## Night and Day

Circle what you see.

Draw what you see.

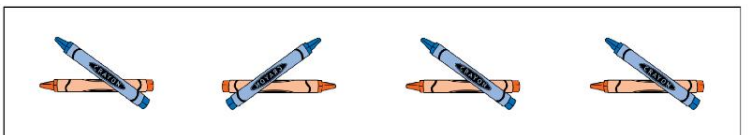
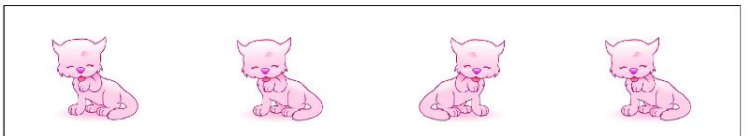
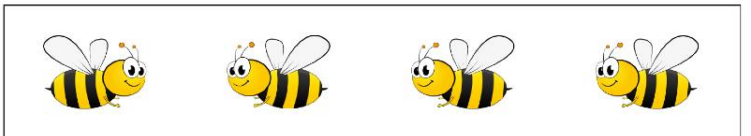
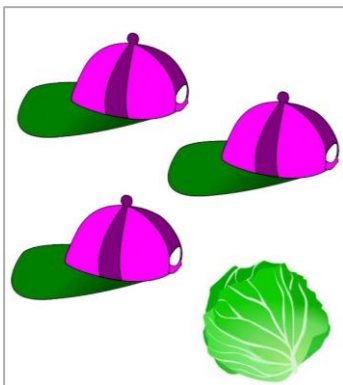
<p>Every day, I see</p>	<p>Every night, I see</p>
-------------------------	---------------------------

Days and nights repeat and happen regularly as a pattern.



# Odd One Out

Circle the odd one in the groups.



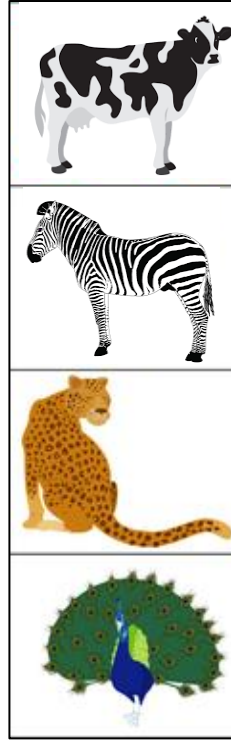
Patterns Everywhere

Patterns in Nature

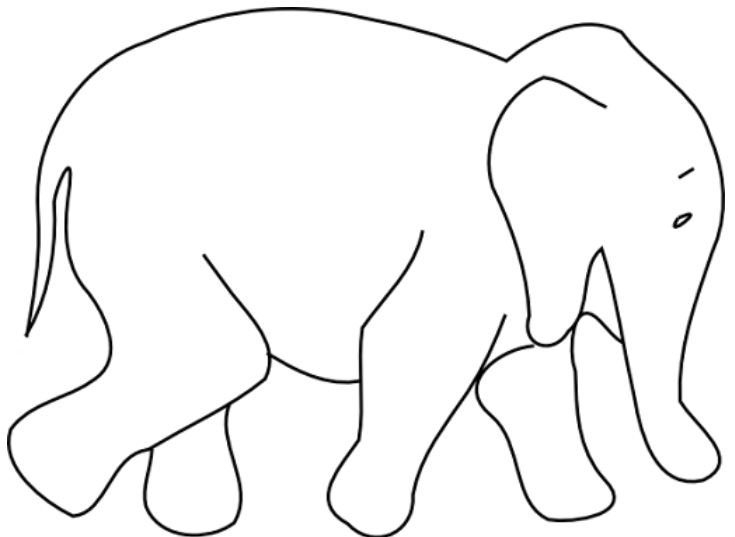
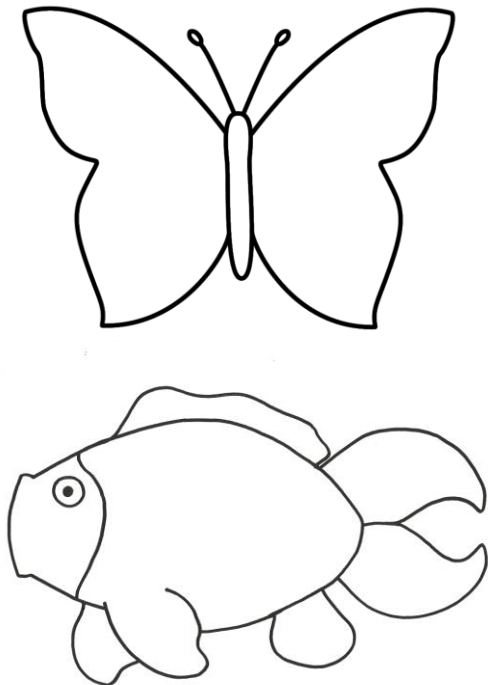
Animals and plants have patterns too.

- Match the animal with the pattern on their skin.
- Name the animals.

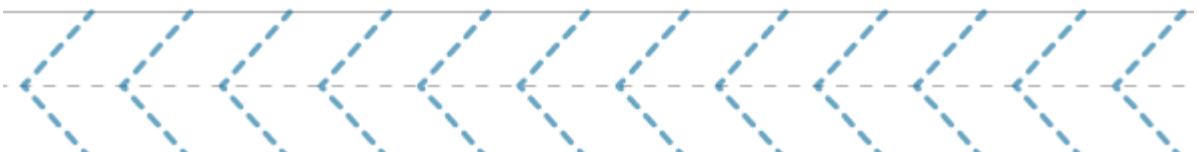
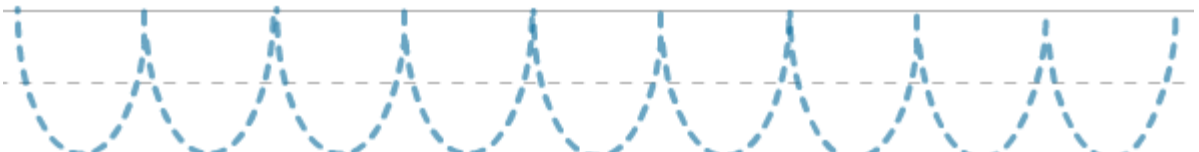
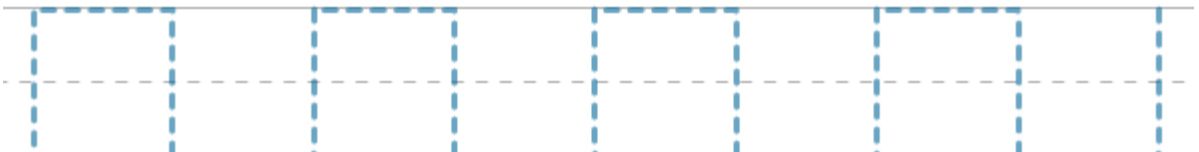
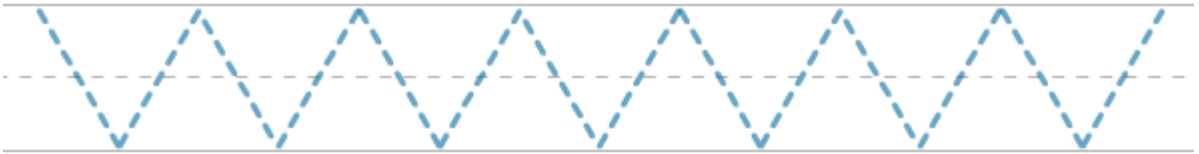
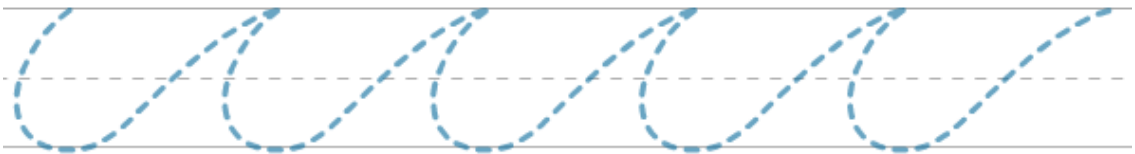
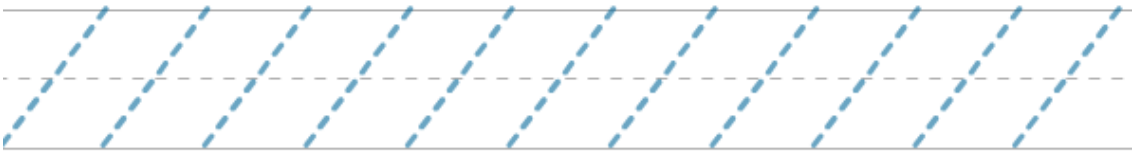
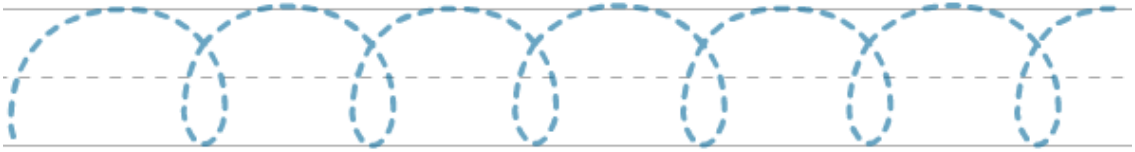
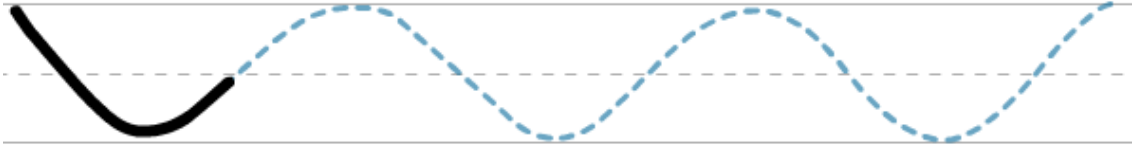
Find 3 more patterns in nature and draw them.



Fill up these animal shapes with your own pattern!



# Trace the Pattern



## Patterns Everywhere

### Patterns in Music

Which is your favourite song?  
Sing it with your family members!  
Can you identify a pattern or rhythm in it?

Let's make our own music based on the code below:

A



Snap your fingers.

B



Clap your hands.

C



Stomp your feet.

D



Tap your thighs.

Try these patterns!



Try making your own musical pattern!



## Free Flow

Scribble freely inside these boxes.

with your left hand

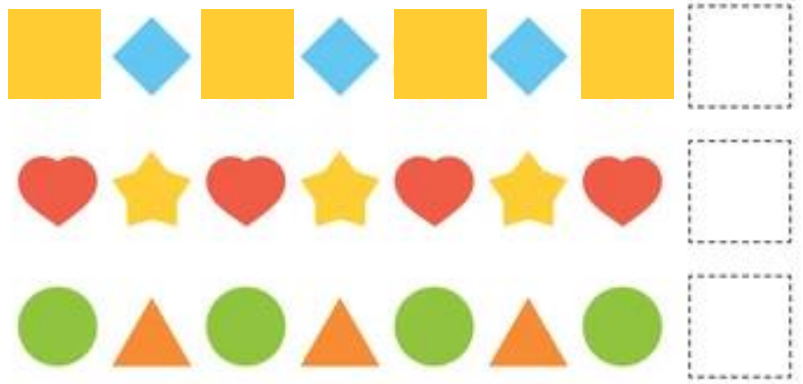
with your right hand

Do you see any patterns?

## Patterns Everywhere

We can also find patterns in shapes. Observe the patterns below.

Name the shapes and  
make the next one.



Make a pattern with any 2 items in your home.

Example:



What comes next in these number patterns?

1 0 1 0 1 0 1 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

2 3 2 3 2 3 2 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

5 9 5 9 5 9 5 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

11 4 11 4 11 4 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

# Shape Sort

## No. of Players

## Game Set-Up

2 or more players

Create 3 three shapes - circle, square, triangle or rectangle - on the ground using chalk / tape / rope / cloth.

## How to Play

- Players can sort out any 5 household items into each shape.  
*(Ex: bowl in the round shape, book in the square shape, etc.)*
- The first player to finish sorting correctly wins!



Patterns Everywhere

Exercise Patterns

Give a number code to 3 different body movements.

Example:

<b>1</b>	<b>2</b>	<b>3</b>
		
Jumping+Jack	Kick	Kneel

Make your own exercise patterns! Example:

Repeat the pattern <b>4 times</b> .	<b>3</b>	<b>2</b>	
	<b>1</b>	<b>1</b>	<b>2</b>
	<b>1</b>	<b>2</b>	<b>3</b>

Teach the exercise patterns to your friends and family!



- Did they enjoy the exercise?
- Were they able to follow the pattern?



# Weekly Reflection

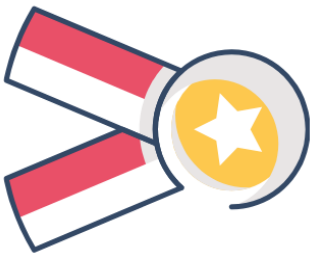
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What are some new things I learned?

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# CERTIFICATE OF COMPLETION



This certificate is awarded to

\_\_\_\_\_

for the successful completion of the **Numeracy** workbook.

التعليم | education  
فوق | above  
الجميع | all



\_\_\_\_\_  
Facilitator

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**Pg. 11:** Let’s Count Legs (English), written by All Children Reading Cambodia, illustrated by Measa Sovonnarea, Re-levelled by EAA, published by Pratham Books (© Pratham Books, 2006) under a CC BY 4.0 license on StoryWeaver.

**Pg. 33 and Pg. 44:** “Sunny Side” and “Free Flow”, designed by Dream A Dream, India.

