Alavi

Mathematics

Learner's Book

KG

Compiled by:

Farahnaz Fayaz, Somayeh Babaee, Mahdieh Sepasi

and Seyedeh Farideh Saneie

Inspection Copy

Book Title/ Compiler:Mathematiecs Learner's Book (KG)[Book]/ compiled Farahnaz Fayaz...[et al.].
Print Year: 2021
Trim Size/No. of Pages: 29× 22/ 48
ISBN: 978-964-169-904-0
Category: FIPA
Language: English
Compiled by: Farahnaz Fayaz, Somayeh Babaee, Mahdieh Sepasi, Seyedeh Farideh Saneie
Topic: English language -- Study and Teaching (Elementary)
Library of Congress Classification: PE 1065
Dewey Decimal Classification: 24/428
National Bibliography Number (NBN): 8687277

Book Title: Pre-Primary Mathematics Learner's Book (KG)
Compiled by: Farahnaz Fayaz, Somayeh Babaee, Mahdieh Sepasi and Seyedeh Farideh Saneie
Publishing Manager: Ali Mojtahedin
Print Run: 1000
Imprint: Alavi Farhikhteh
Graphic Designer: Javad Mahmoudi
Book Cover Designer: Hanieh Ferasat
Lithography: Ariofam
ISBN: 978-964-169-904-0

www.alavi.ir | pub@alavi.ir | 021-64027270
Alavi Farhikhteh: No. 19, Mirmotahari st. Tehran, Iran | 021-22892550

All rights of this work belong to Alavi (Farhikhteh) Publications and any copying and copying in any form and method can be prosecuted according to paragraph 5 of Article 2 of the Publisher Protection Law.

Inspection Copy

Introduction

The Primary Mathematics brings together the world-class Cambridge Primary mathematics curriculum from Cambridge International Examinations. It is an innovative combination of curriculum and resources designed to support teachers and learners to success in primary mathematics through best-practice international maths teaching and a problem-solving approach.

The Cambridge curriculum is dedicated to helping schools develop learners who are confident, responsible, reflective, innovative and engaged. To this end, the textbooks provide support based on pedagogical practice found in successful schools around the world. This series is arranged to ensure that the curriculum is covered whilst allowing teachers to use a flexible approach.

Inspection Copy

Table of Contents

CHAPTER 1 5

CHAPTER 2 19

CHAPTER 3 29

CHAPTER 4 39

Inspection Copy

CHAPTER 1

Inspection Copy

What learners will learn and reinforce

The activities in this chapter give learners practice in the following topics:

Topic	In this topic, learners will:
1.1. Inside and outside	identify inside and outside positions.
1.2. Small, meduim and big	identify the size of an object.
1.3. How many?	learn the concept of numbers 1 to 3.
1.4. Circle	identify the shape of a circle.
1.5. In front of and behind	identify front and behind positions.

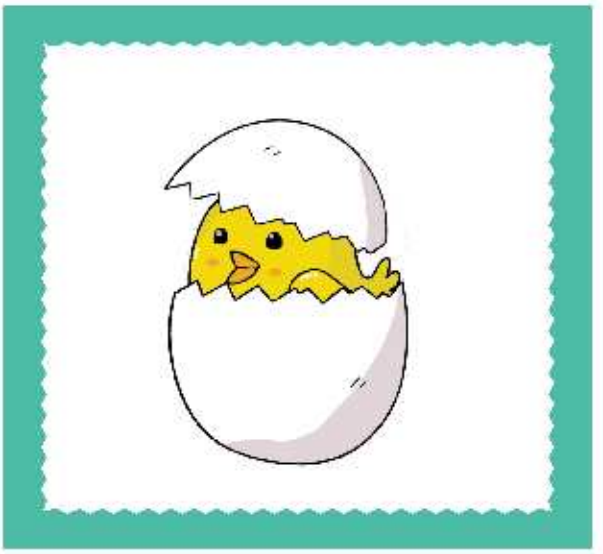
Word bank

1	inside	2	outside	3	small	4	medium	5	big
6	how many	7	one	8	two	9	three	10	count
11	circle	12	trace	13	color	14	in front of	15	behind

Inspection Copy

1.1. Inside and outside

Let's observe.



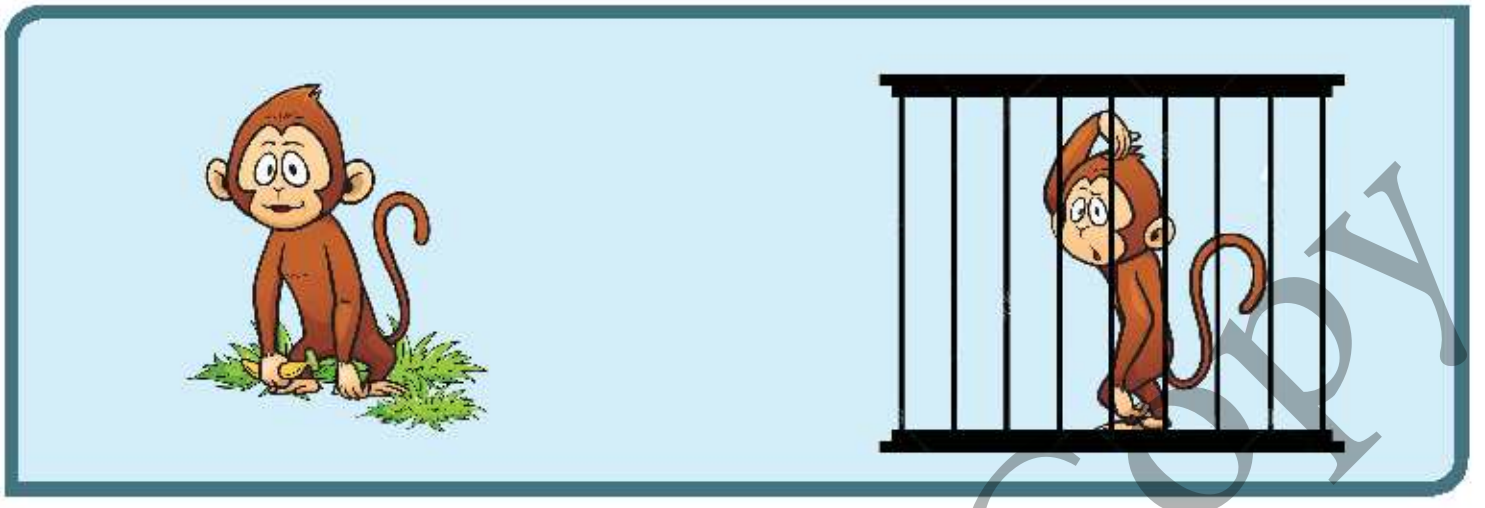
The chick is inside the egg.

The chick is outside the egg.

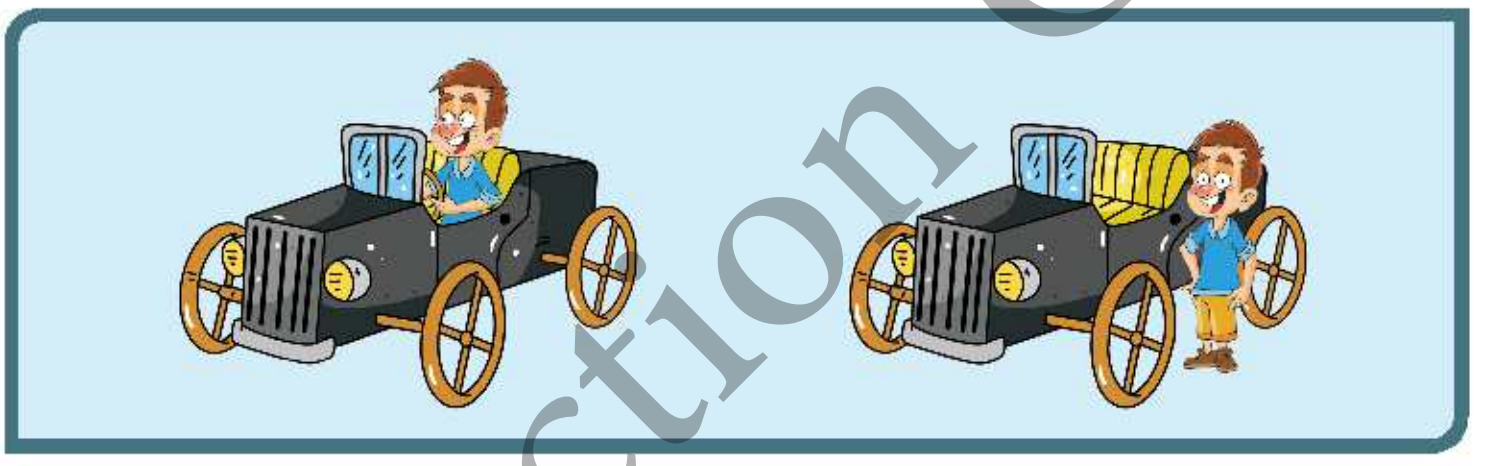
Draw a ball inside the box and a cat outside the box.

Inspection Copy

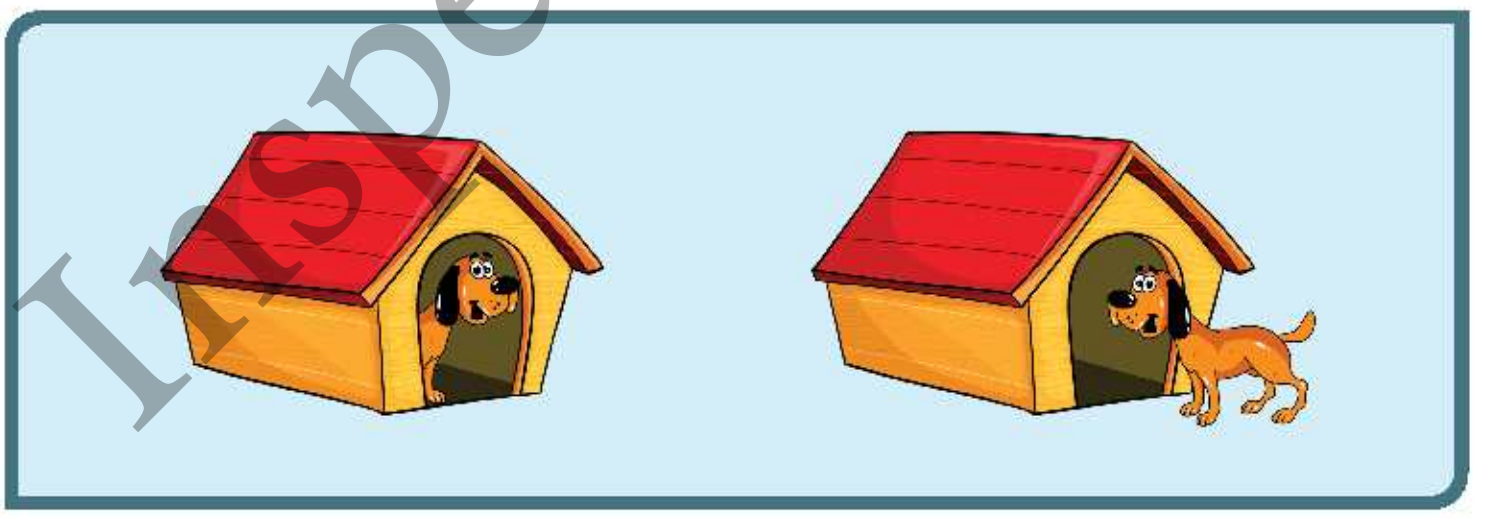
Look at the pictures below and draw a circle around the correct picture.



The monkey is inside his cage.



Andy is outside his car.



The dog is inside his house.

Inspection Copy

1.2. Small, medium and big

Let's observe.

small

medium

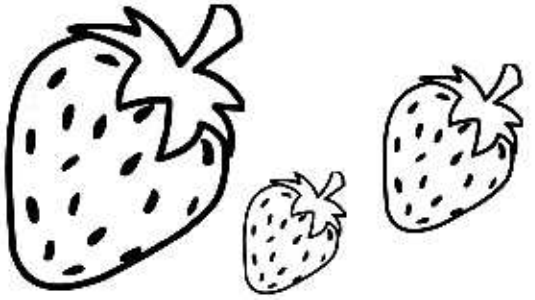
big

Circle the big object.

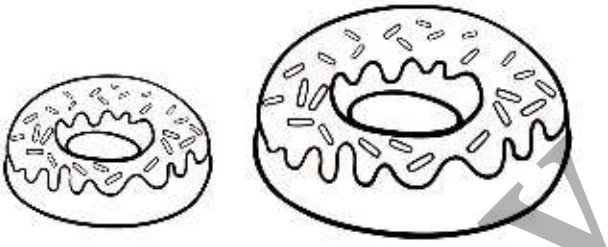
Circle the medium object.

Circle the small object.

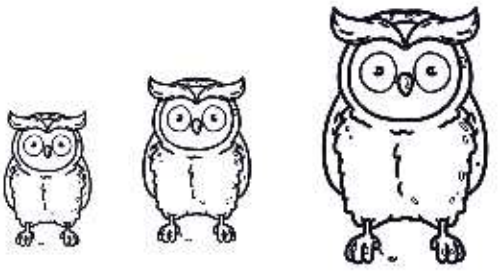
Inspection Copy



Colour the medium strawberry.



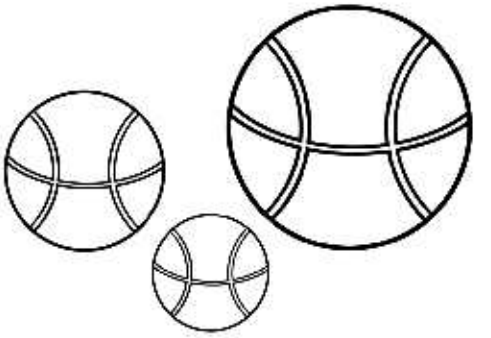
Colour the small donut.



Colour the big owl.

Colour the medium cup.

Colour the big car.



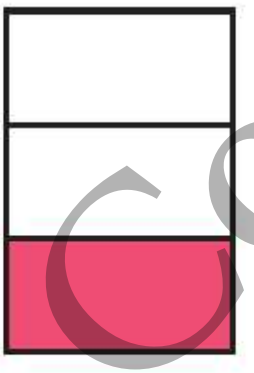
Colour the medium ball.

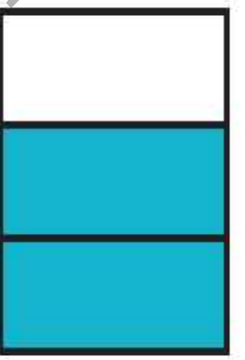
Inspection Copy

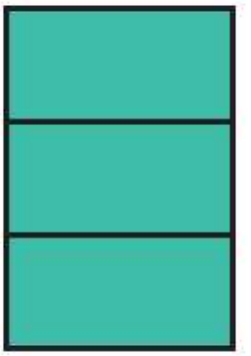
1.3. How many?

Look and count.

How many eggs?

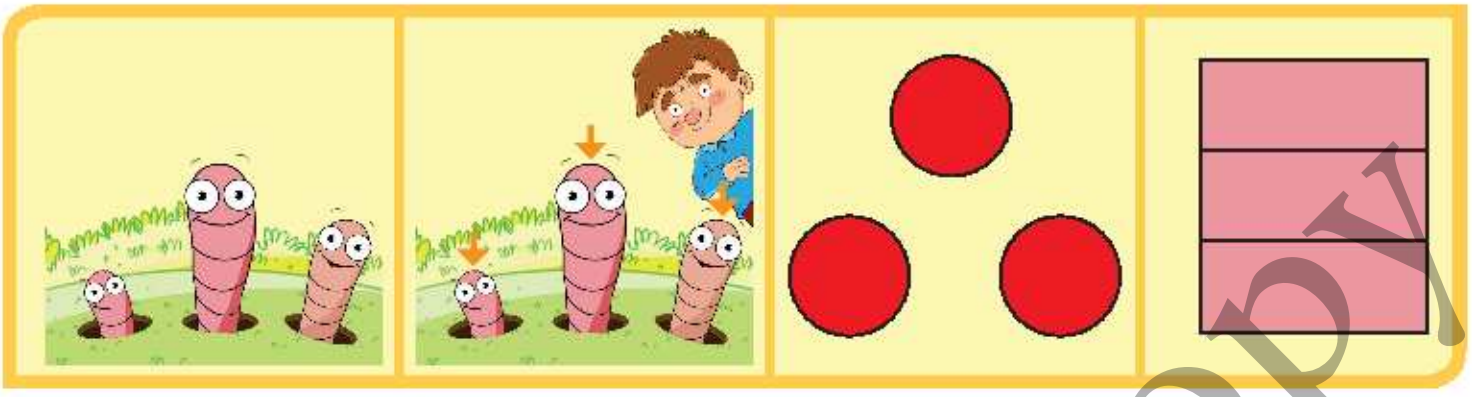






Inspection Copy

Let's observe.



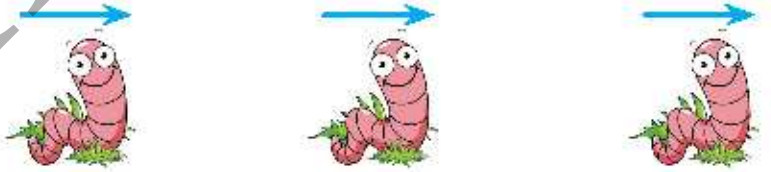
Colour a box as you count.

1)

2)

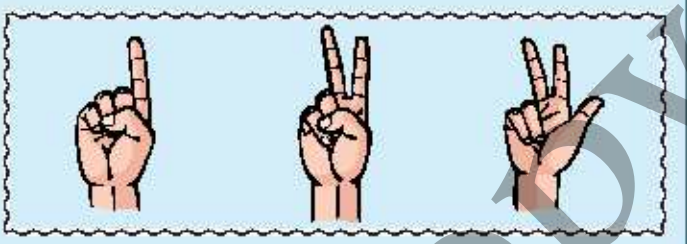
3)

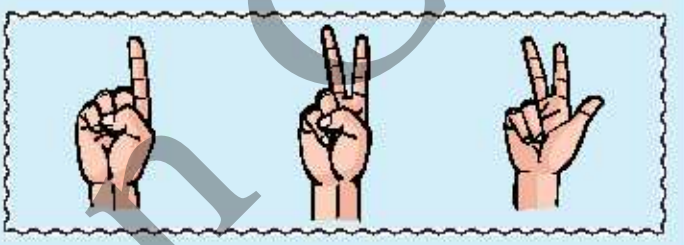
4)

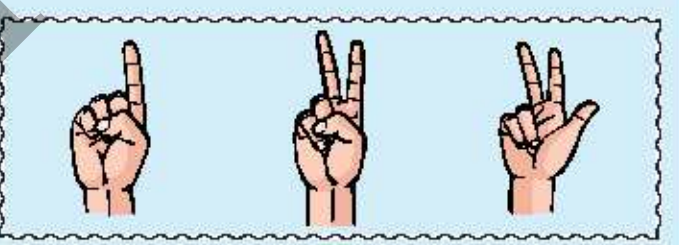
5) 

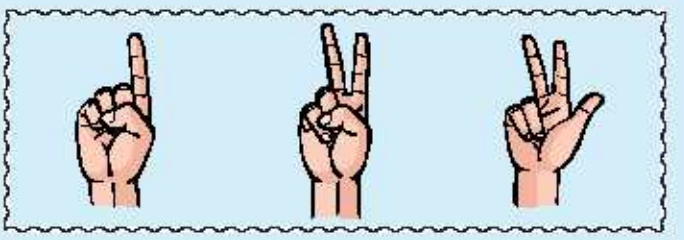
Inspection Copy

Count and circle.









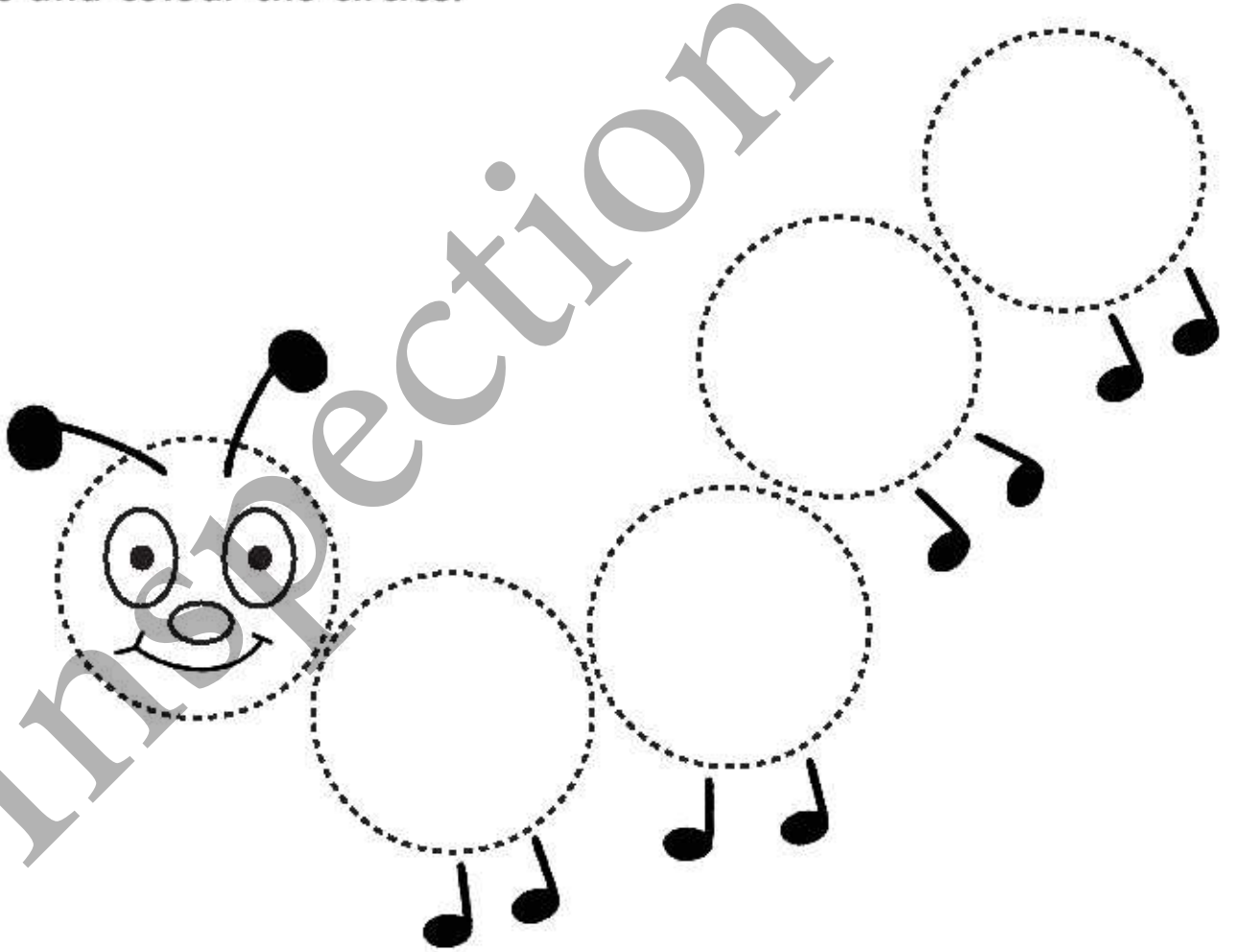
Inspection Copy

1.4. Circle

Let's observe.

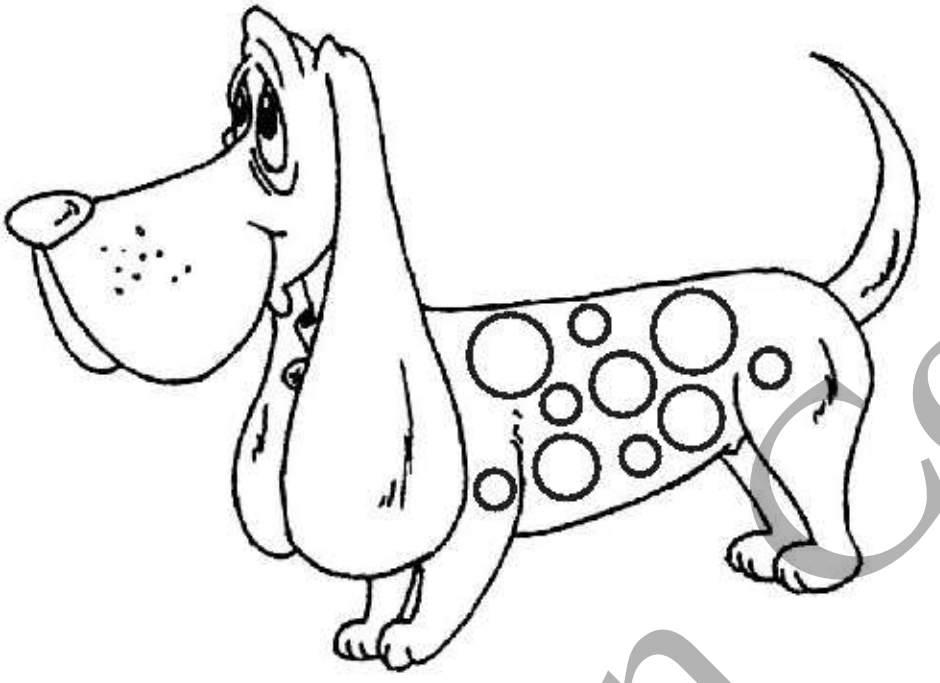
Here are some round shapes. They have the shape of a circle.

Trace and colour the circles.

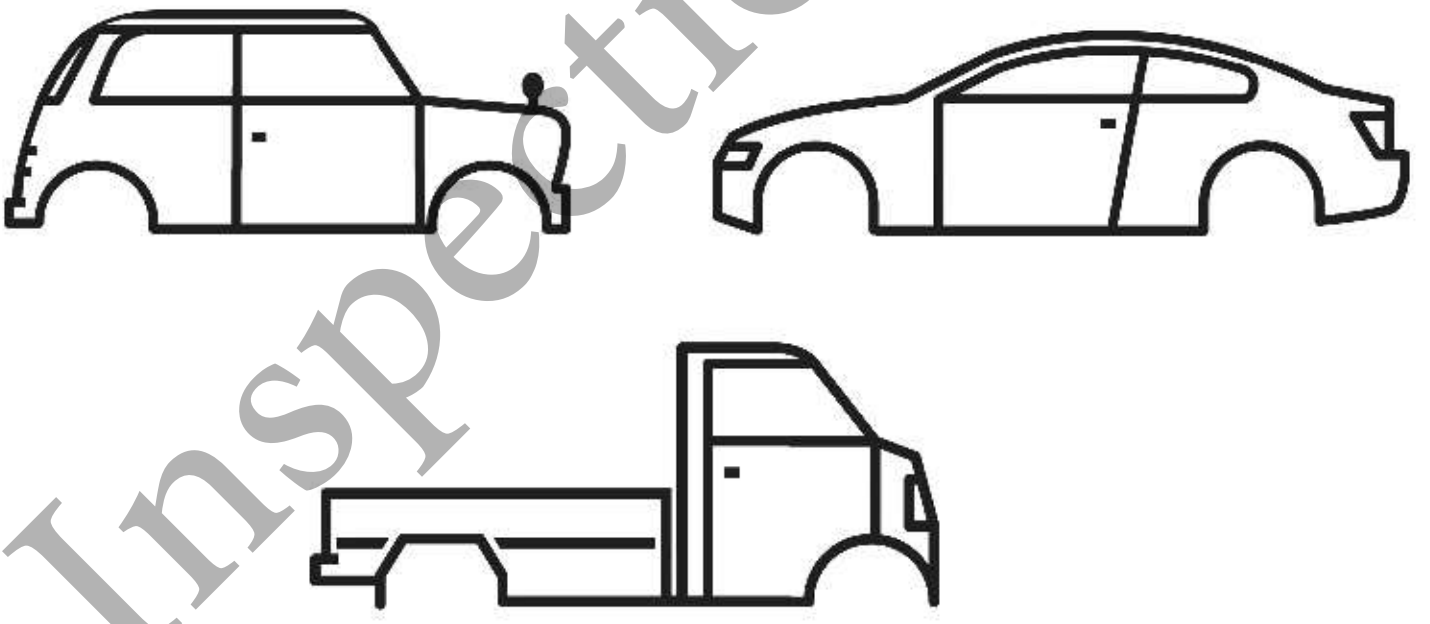


Inspection Copy

Colour the big circles red, the medium circles blue, and the small circles brown.



Draw the wheels on the cars.



Inspection Copy

1.5. In front of and behind

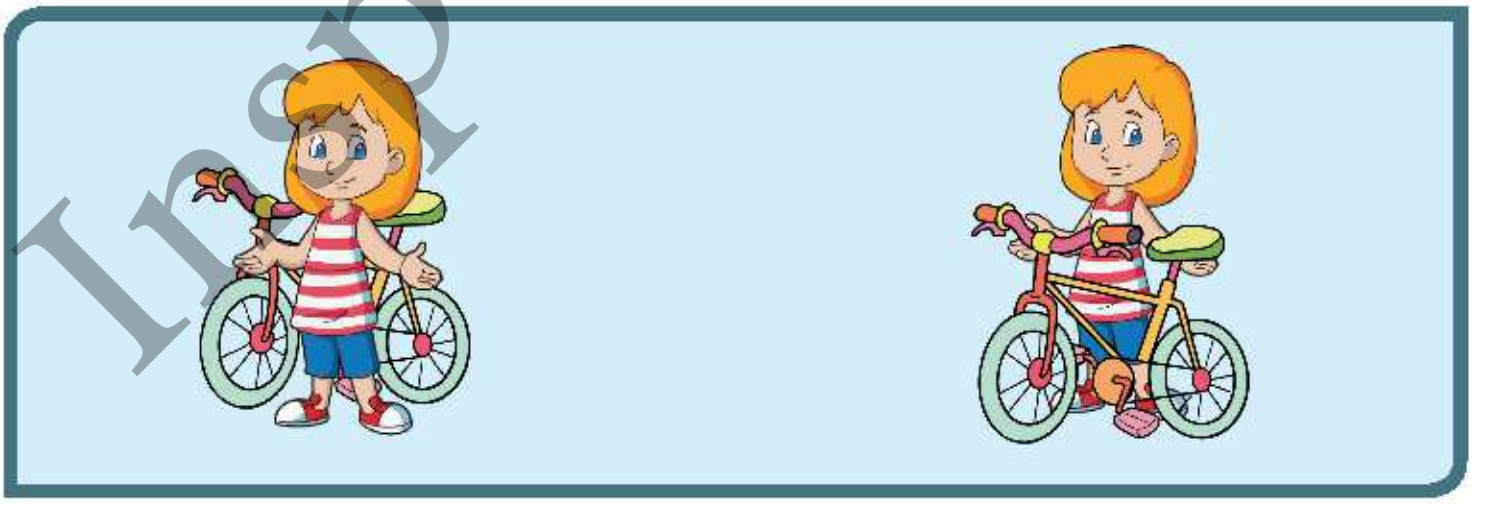
Let's observe.

The cat is behind the box.

The cat is in front of the box.

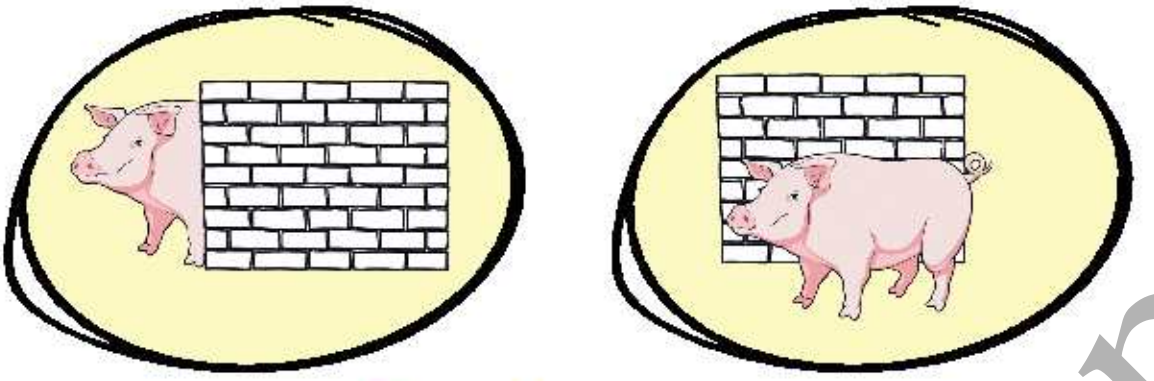
Circle the caterpillar that is in front of the apple.

Circle the girl that is behind the bicycle.

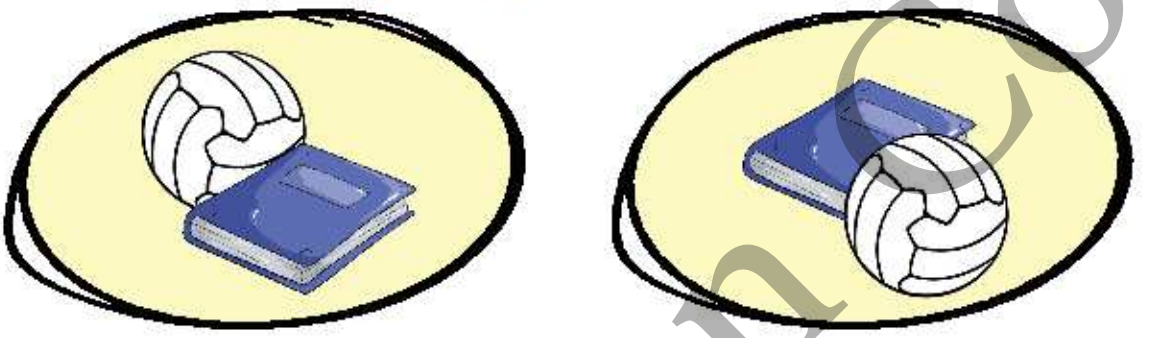


Inspection Copy

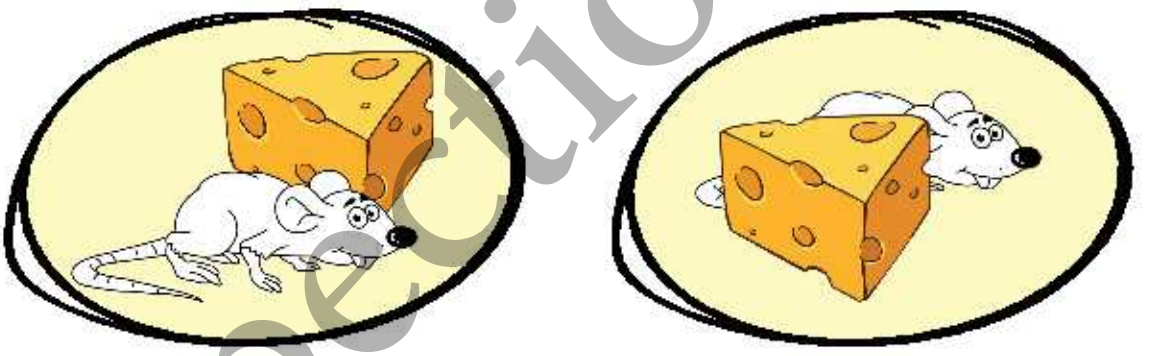
Colour the wall that is behind the pig.



Colour the ball that is in front of the book.



Colour the mouse that is behind the cheese.



Draw a tree in front of the house.

Inspection Copy

Inspection Copy

CHAPTER 2

Inspection Copy

What learners will learn and reinforce

The activities in this chapter give learners practice in the following topics:

Topic	In this topic, learners will:
2.1. Number 1, 2 and 3	identify and trace the digits 1, 2 and 3.
2.2. How many?	learn the concept of numbers 4 and 5.
2.3. Numbers 4 and 5	identify and trace the digits 4 and 5.
2.4. Square	identify the shape of a square.
2.5. Above and below	identify above and below positions.

Word bank

1	one	2	two	3	three	4	four	5	five
6	square	7	circle	8	draw	9	above	10	below

Inspection Copy

2.1. Numbers 1, 2 and 3

Let's observe.

1)

2)

3)

4)

5)

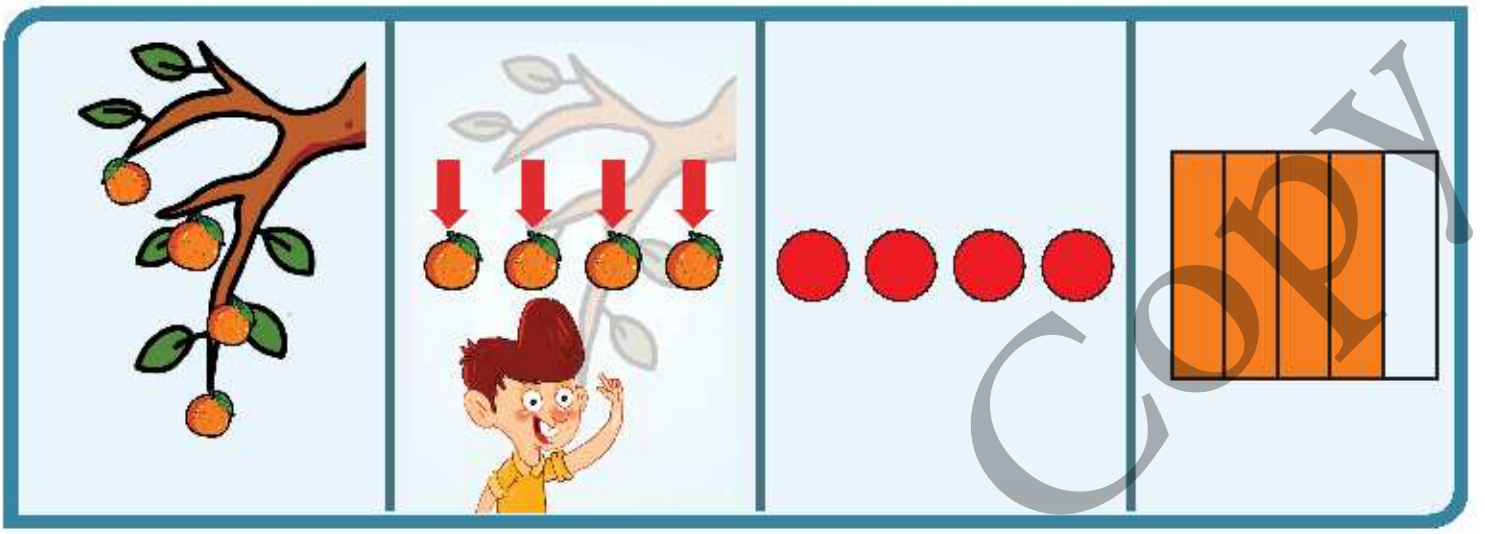
6)

7)

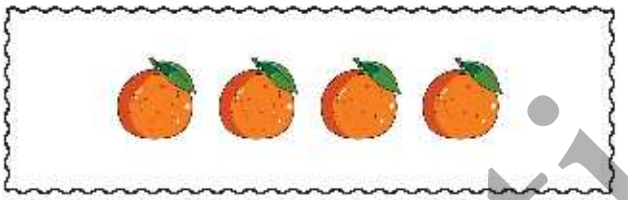
Inspection Copy

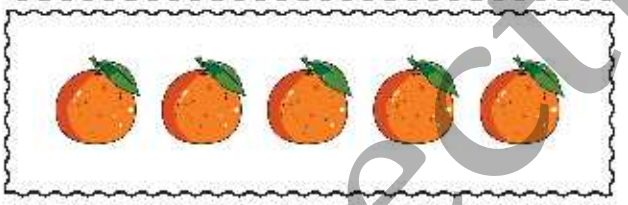
2.2. How many?

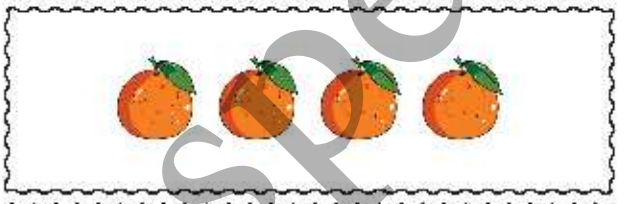
Let's observe.

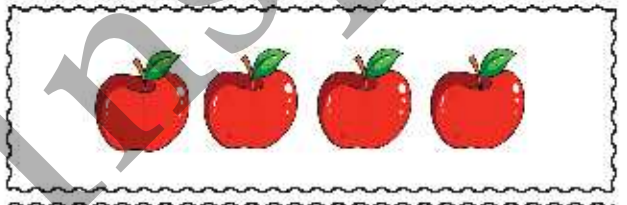


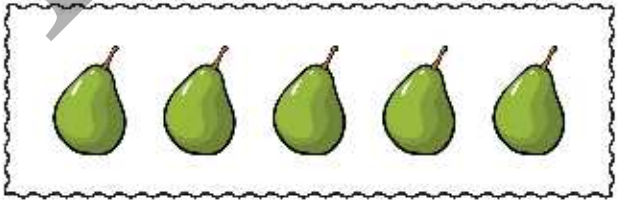
Colour a box as you count.

1) 

2) 

3) 

4) 

5) 

Inspection Copy

2.3. Numbers 4 and 5

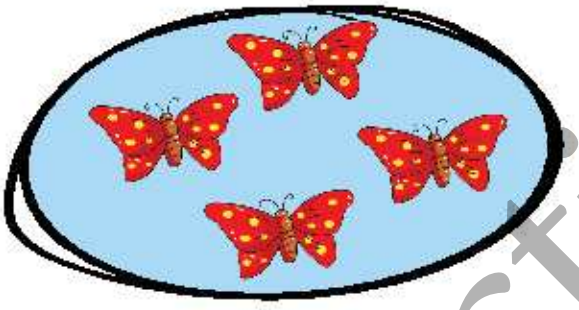
Let's observe.

4

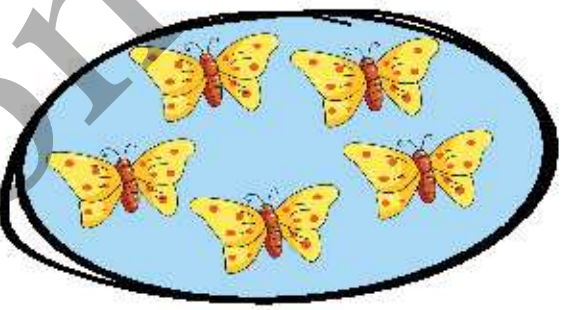
5

Look and trace.

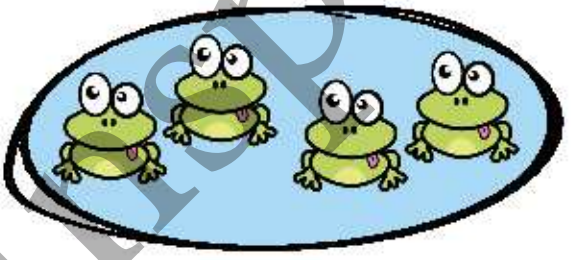
1)



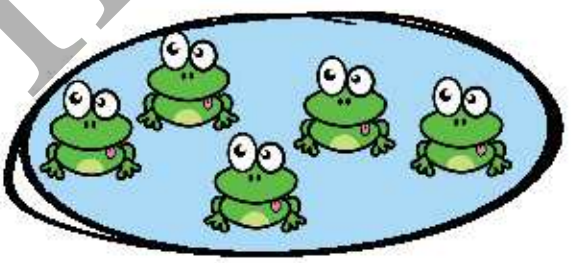
2)



3)



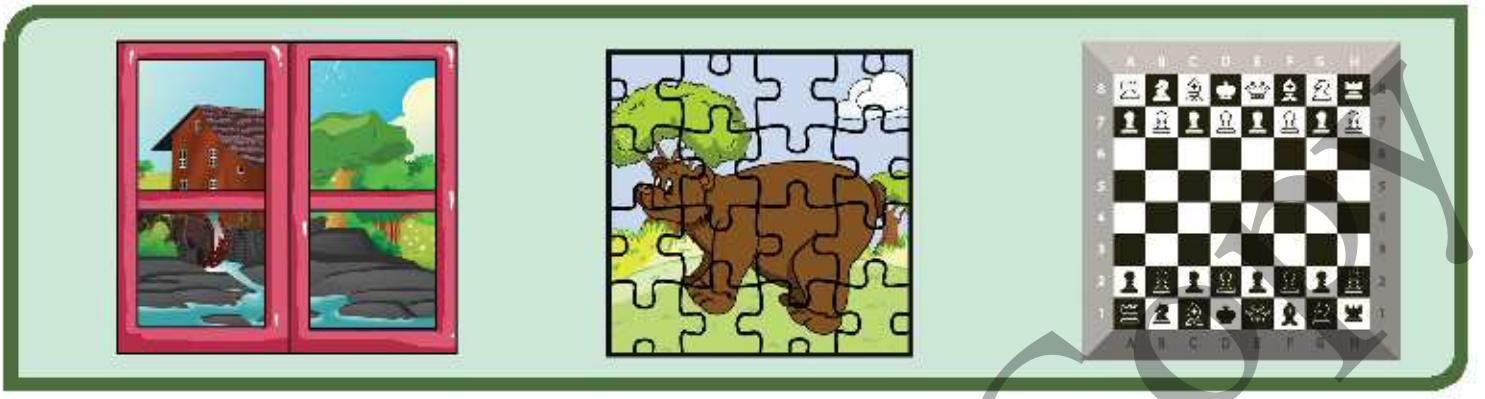
4)



Inspection Copy

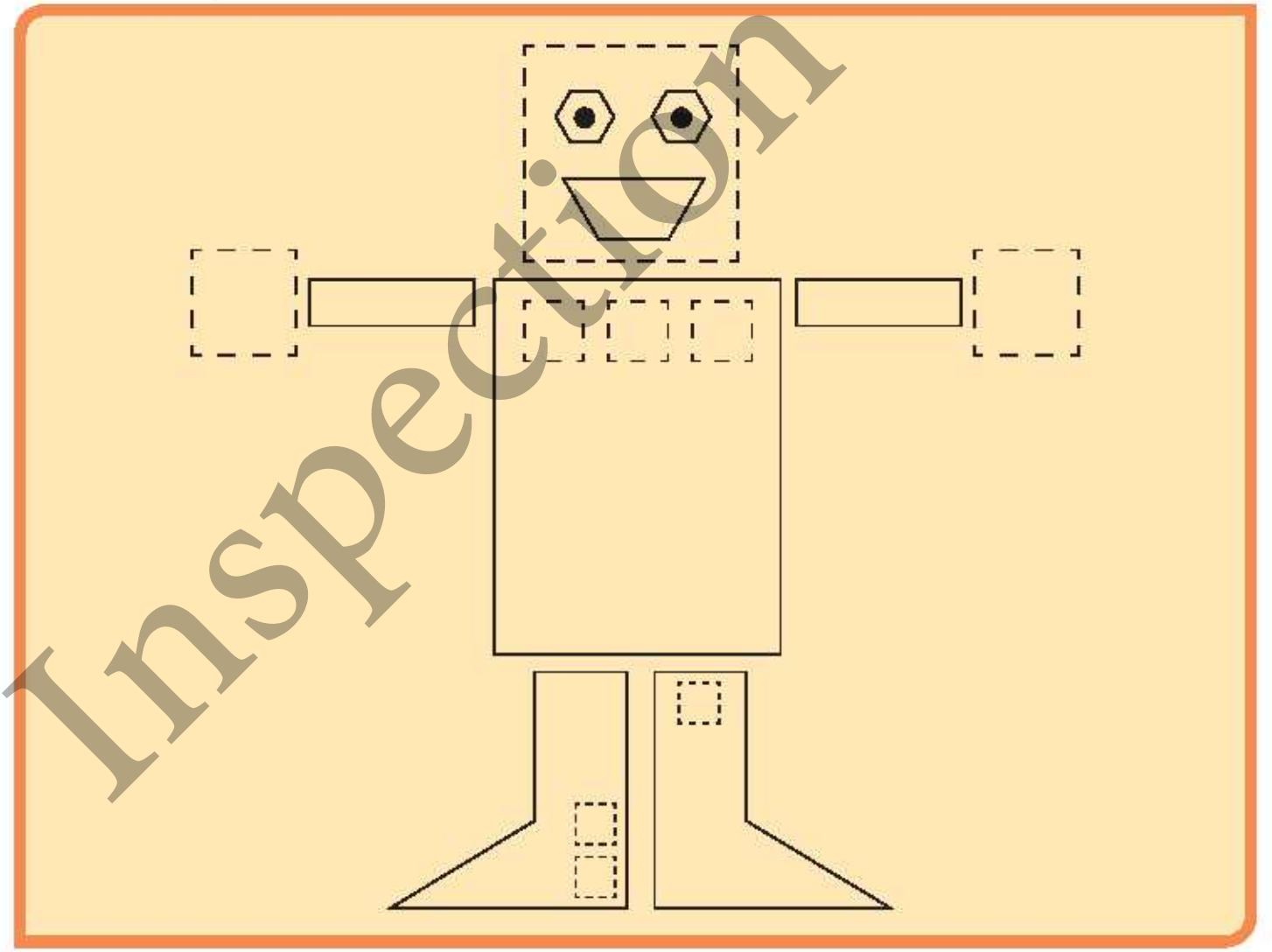
2.4. Square

Let's observe.



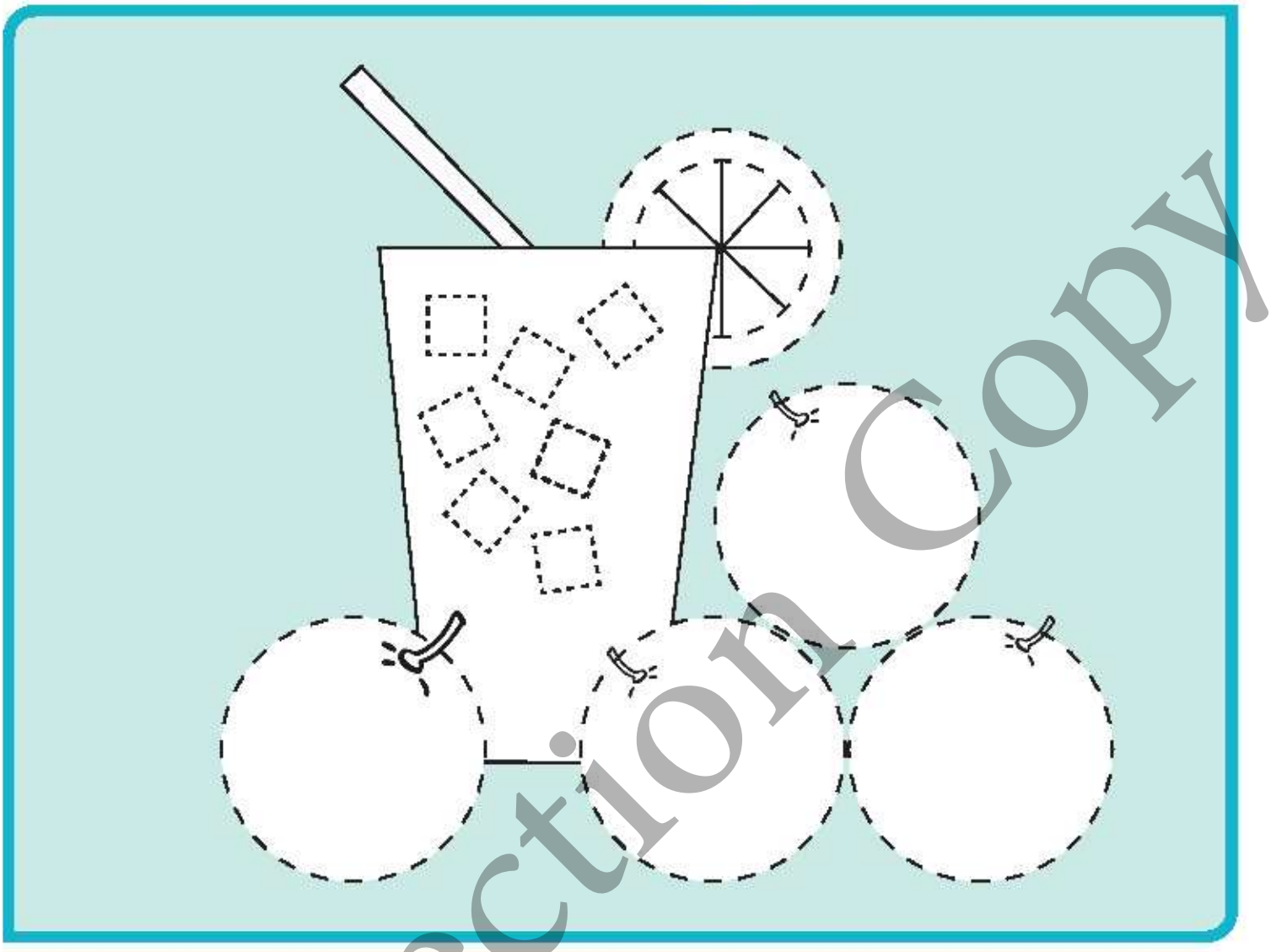
Each of these objects has the shape of a square.

Trace the squares.



Inspection Copy

Trace the shapes. Colour the circles orange and the squares blue.



Trace the square.	Draw a square by connecting the dots.	Draw a square.

Inspection Copy

2.5. Above and below

Let's observe.

The bird is *above* the books.

The bird is *below* the books.

Circle the dolphin that is *above* the water.

Circle the ladybug that is *below* the flower.

Inspection Copy

Colour the bee that is above the beehive.

Colour the ball that is below the loop.

Colour the bird that is above the cloud.

Inspection Copy

Wayne is waiting anxiously for his packages. Help Patrick deliver them to Wayne on time!

Inspection Copy

CHAPTER

3

Inspection Copy

What learners will learn and reinforce

The activities in this chapter give learners practice in the following topics:

Topic	In this topic, learners will:
3.1. Numbers 6 and 7	learn the concept of numbers 6 and 7, identify and trace the digits.
3.2. Triangle	identify the shape of a triangle.
3.3. Numbers 8 and 9	learn the concept of numbers 8 and 9, identify and trace the digits.
3.4. The same and different	identify when an object is the same as/ different from another.

Word bank

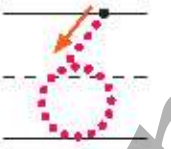
1	one	2	two	3	three	4	four	5	five
6	six	7	seven	8	triangle	9	eight	10	nine
11	write	12	the same	13	different				

Inspection Copy

3.1. Numbers 6 and 7

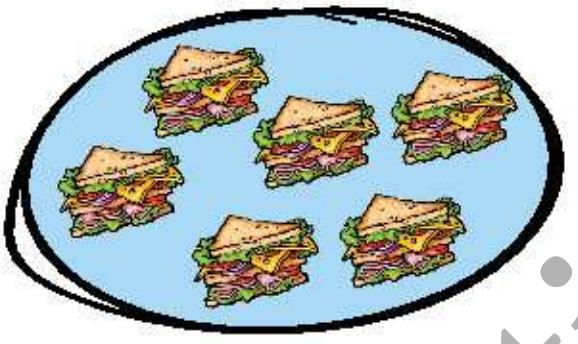
Let's observe.

6

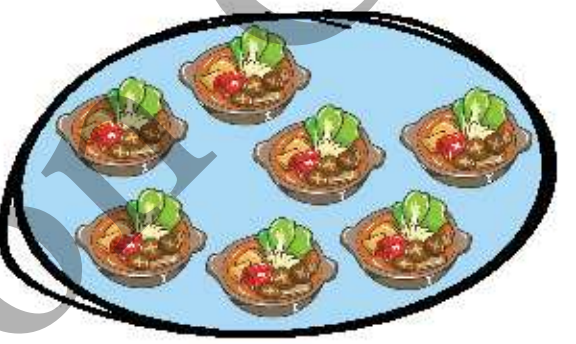


six

Let's count.



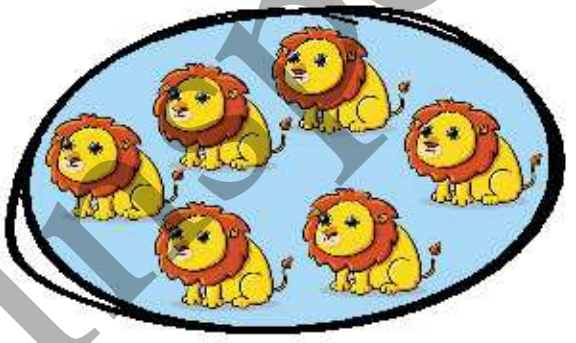
6

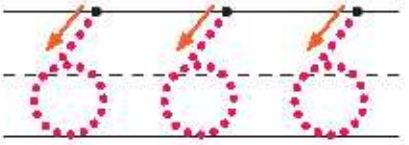


7

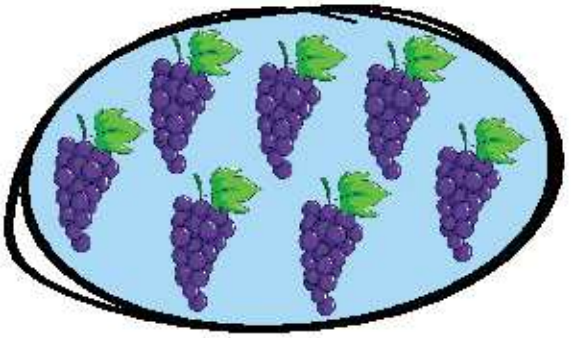
Look and trace.

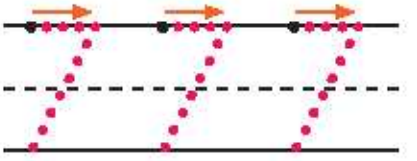
1)





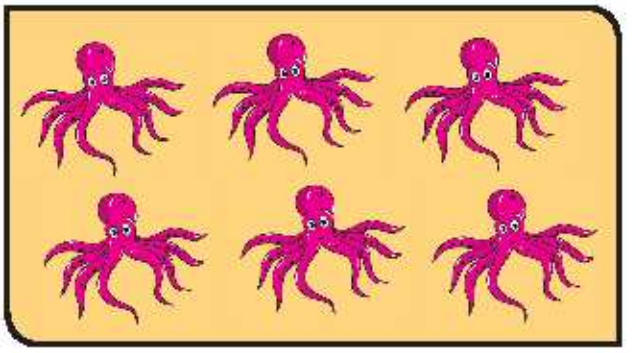
2)

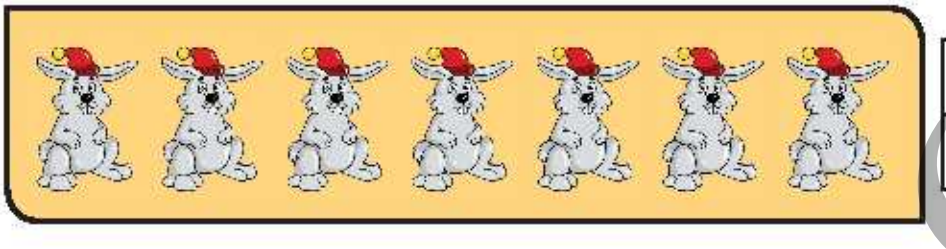




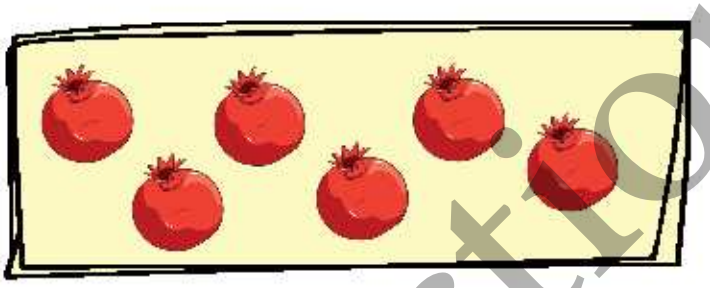
Inspection Copy

Colour a box as you count.

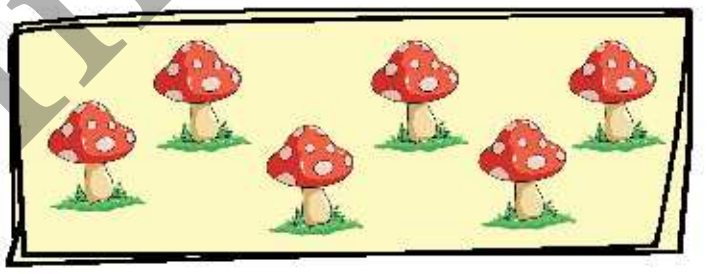




Count and write.

1) 

2)

3) 

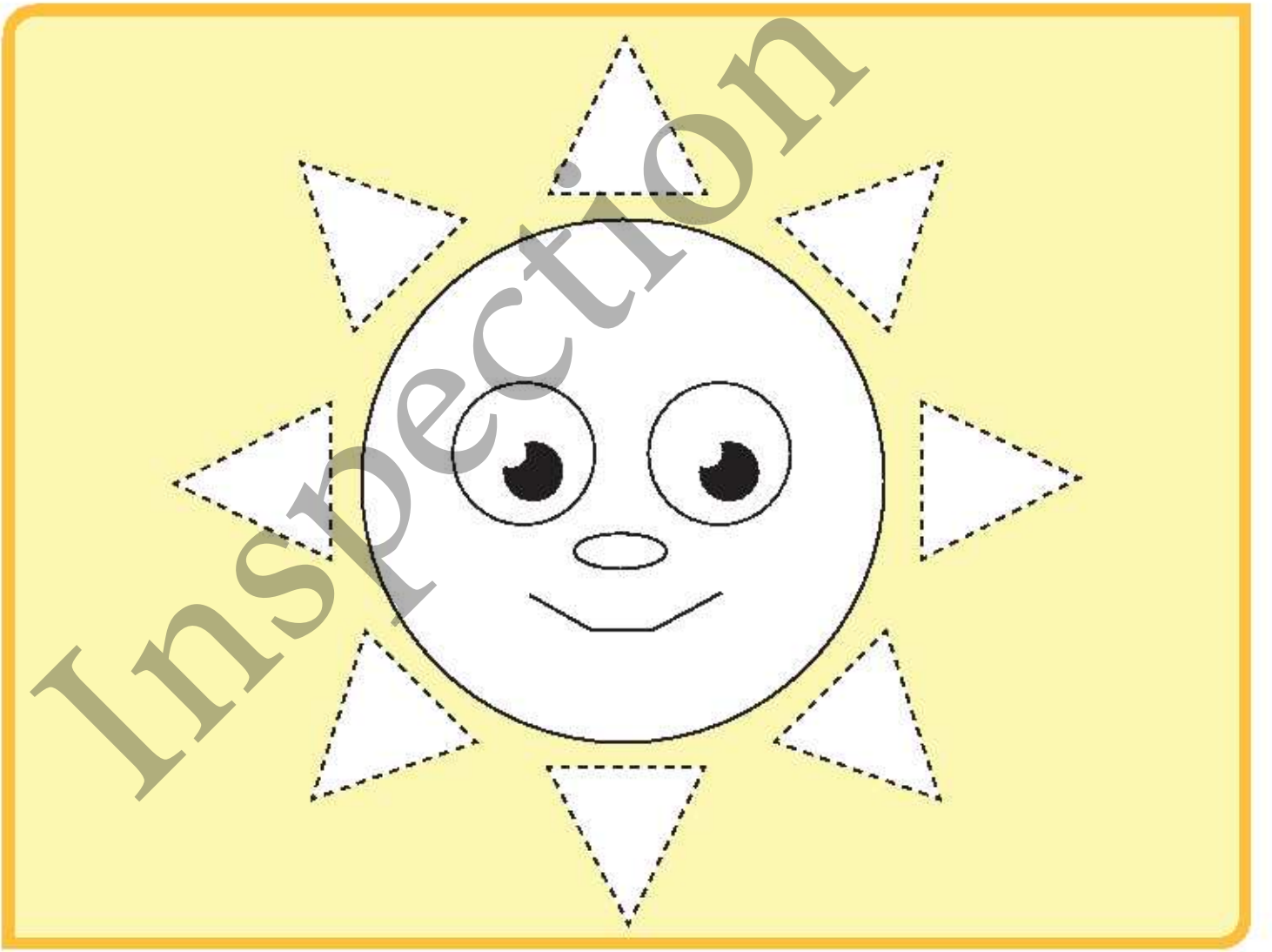
Inspection Copy

3.2. Triangle

Let's observe.

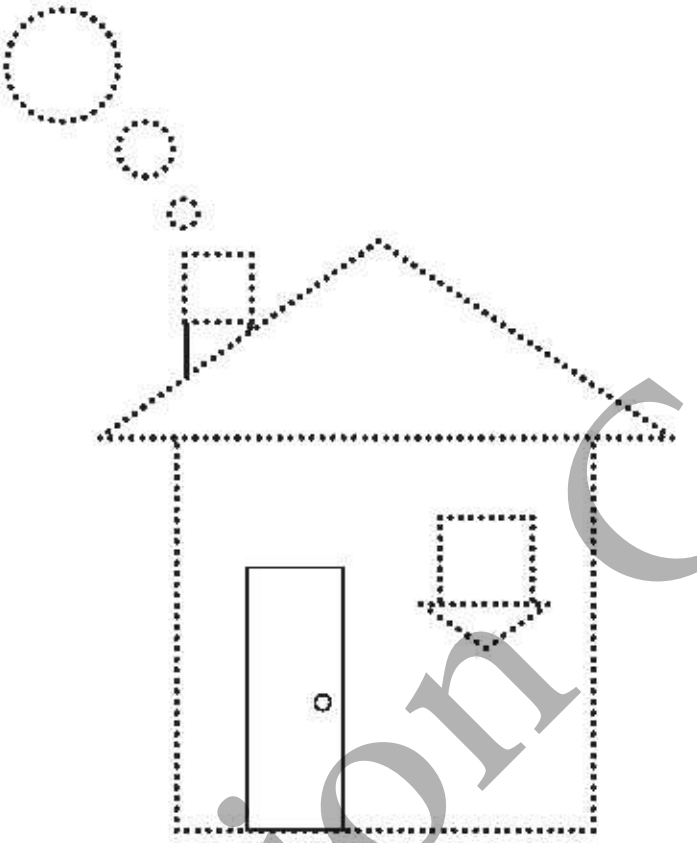
Each of these objects has the shape of a triangle.

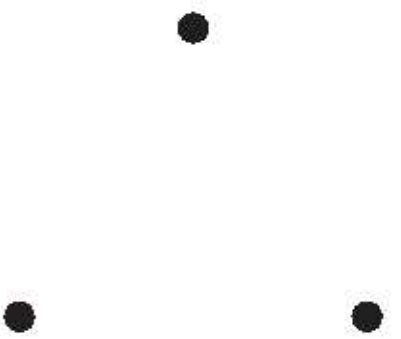
Trace the triangles.



Inspection Copy

Trace the shapes. Colour the triangles brown, the squares yellow and the circles black.



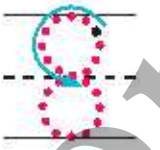
Trace the triangle.	Draw a triangle by connecting the dots.	Draw a triangle.
		

Inspection Copy

3.3. Numbers 8 and 9

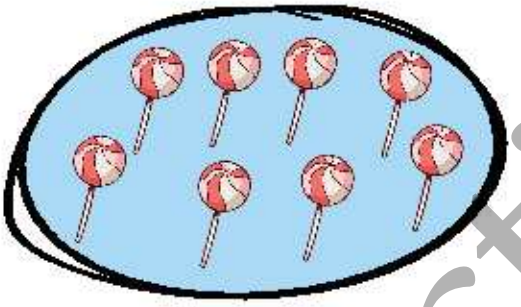
Let's observe.

8

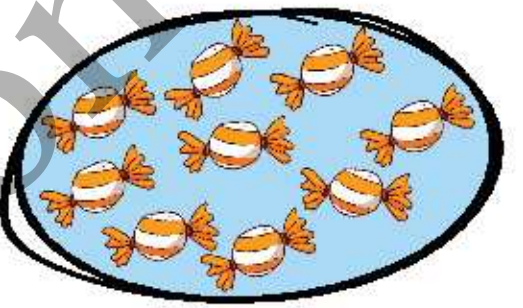


eight

Let's count.



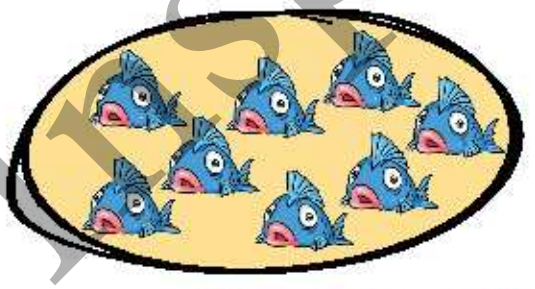
8

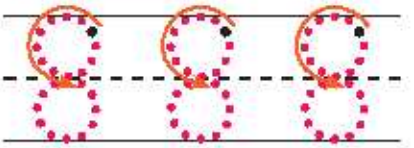


9

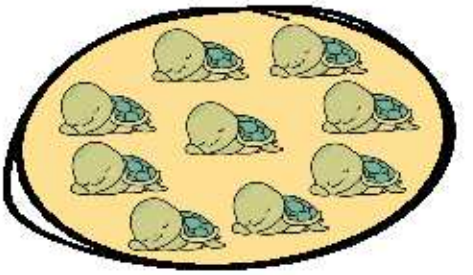
Look and trace.

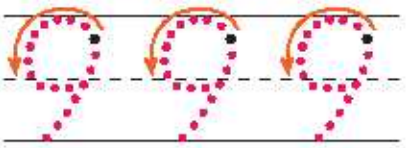
1)





2)

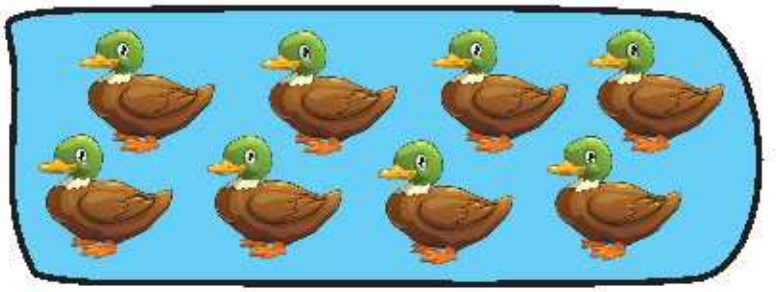




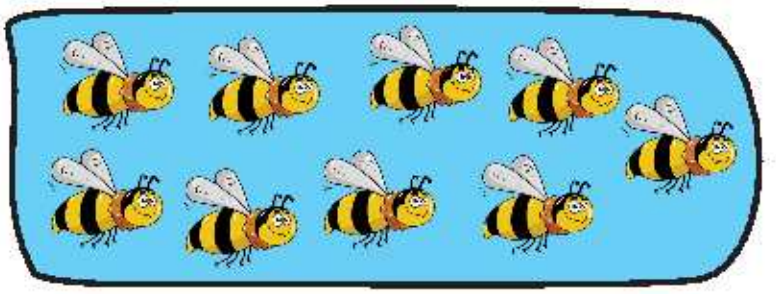
Inspection Copy

Colour a box as you count.

1)

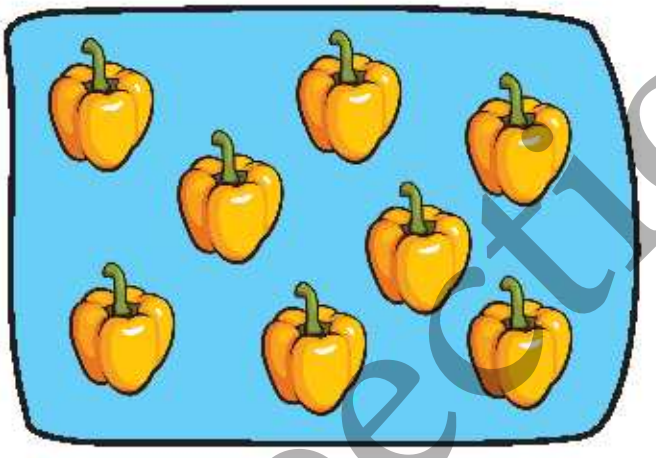


2)

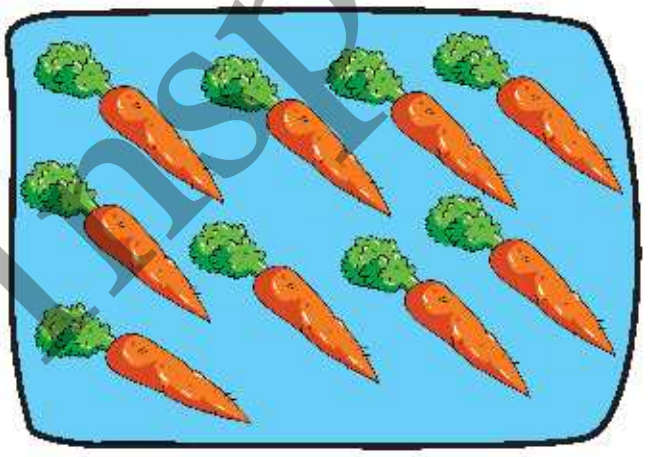


Count and write.

3)



4)



Inspection Copy

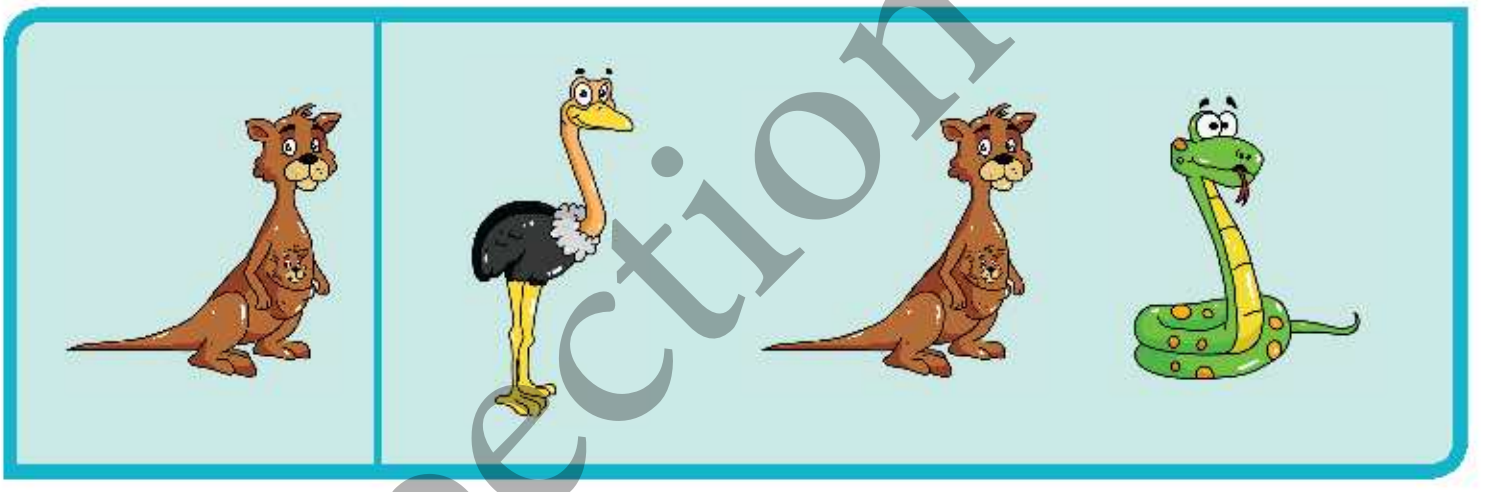
3.4. The same and different

Let's observe.

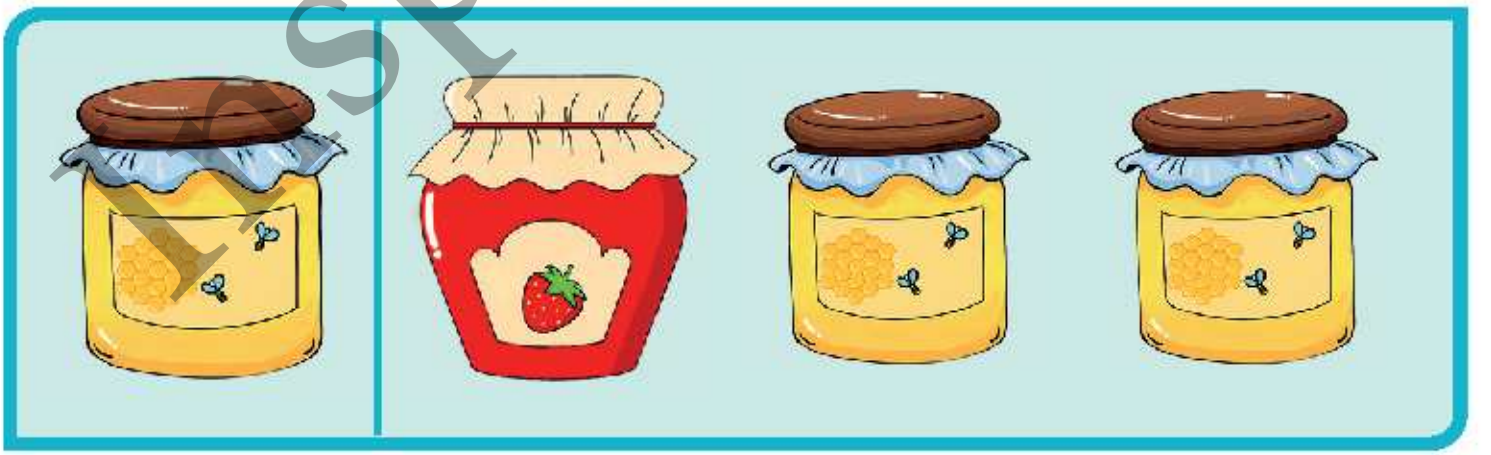
These socks are the same.

These socks are different.

Circle the object that is the same as the first picture.



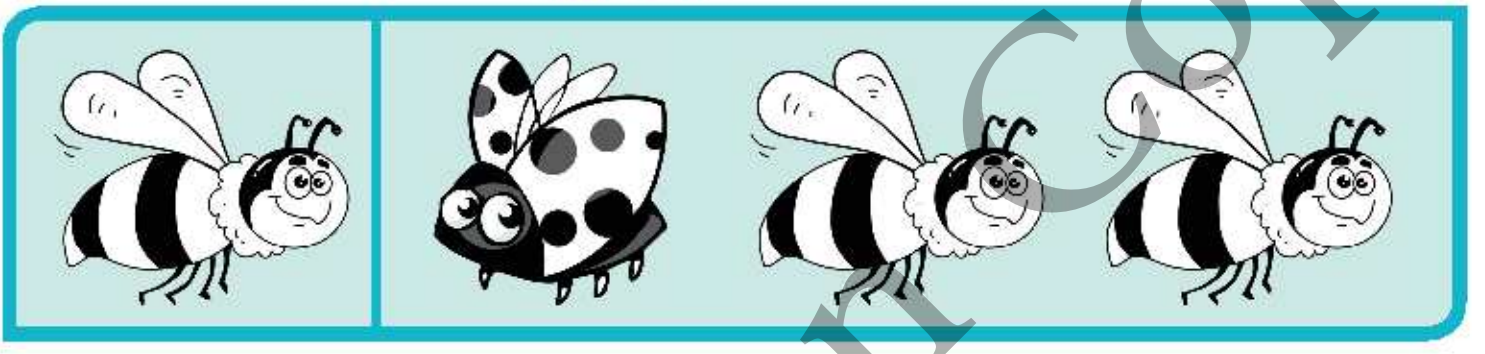
Circle the object that is different from the first picture.



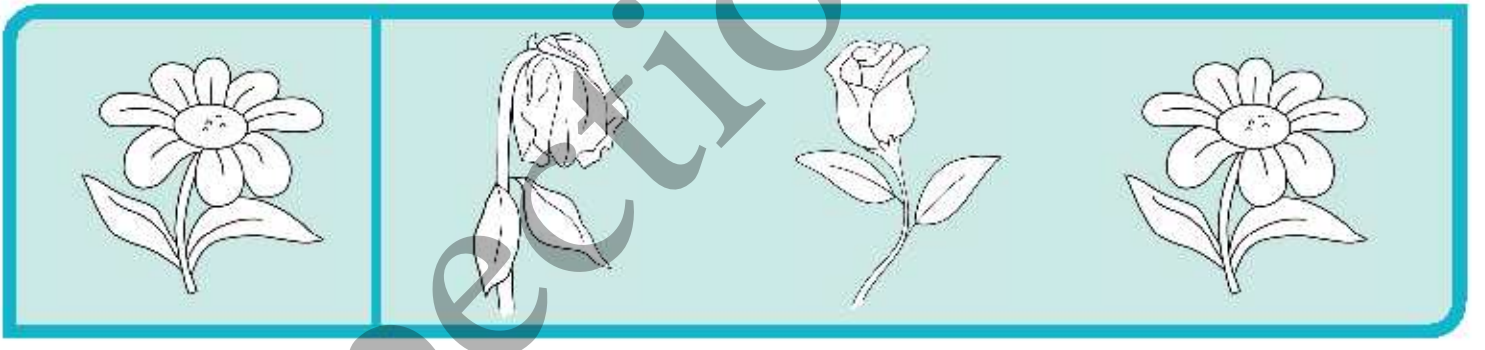
Inspection Copy

Colour the object that is the same as the first picture.

Colour the object that is different from the first picture.



Colour the object that is the same as the first picture.



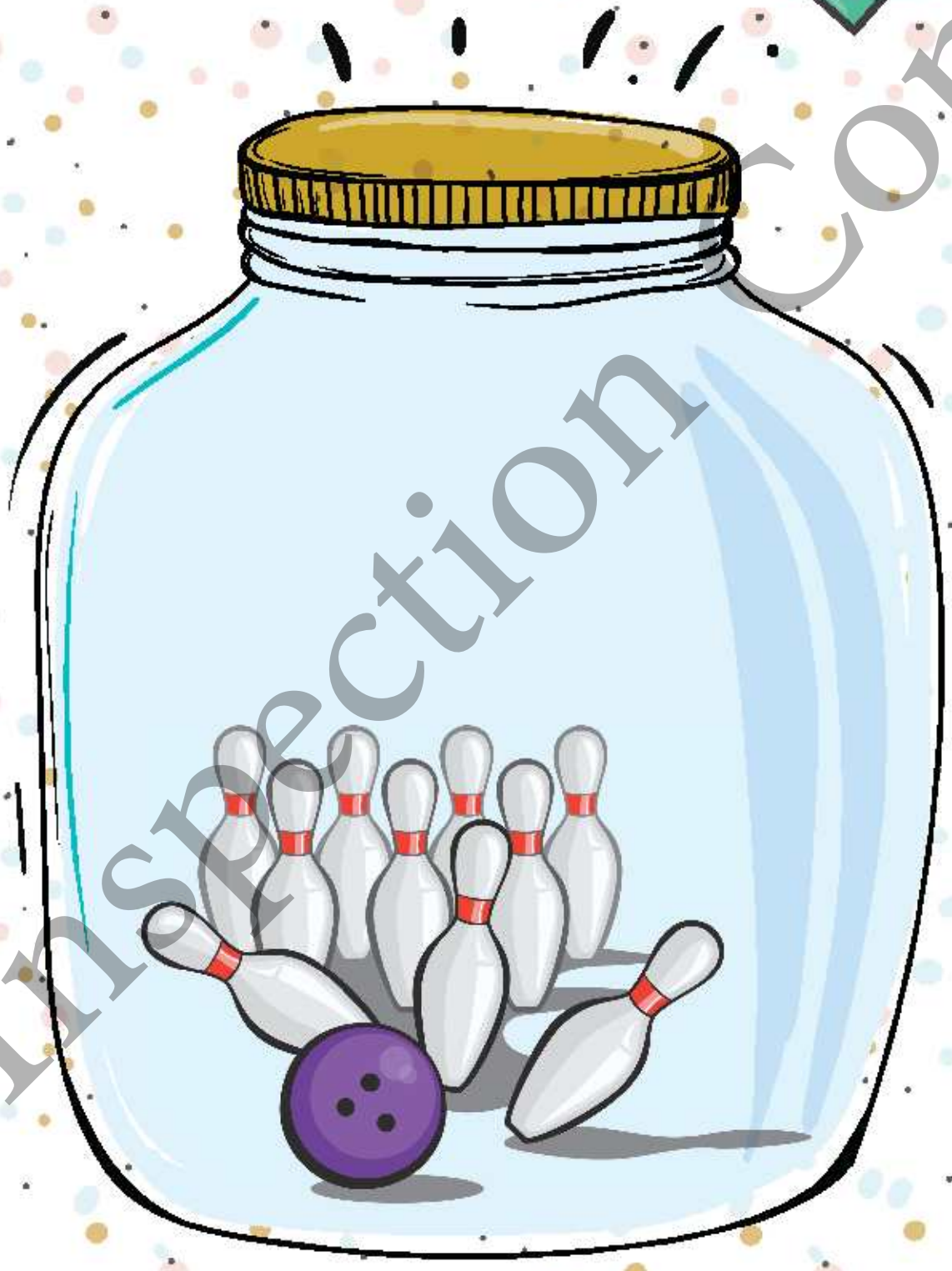
Draw a flower that is the same as this flower.

Draw a flower that is different from this flower.

Inspection Copy

CHAPTER

4



Inspection Copy

What learners will learn and reinforce

The activities in this chapter give learners practice in the following topics:

Topic	In this topic, learners will:
4.1. Number 10	learn the concept of number 10, identify and trace the digits.
4.2. More and fewer	learn to compare the number.
4.3. Let's count	count 1 to 10.

Word bank

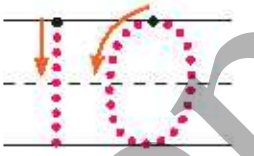
1	one	2	two	3	three	4	four	5	five
6	six	7	seven	8	eight	9	nine	10	ten
11	more than	12	fewer than						

Inspection Copy

4.1. Number 10

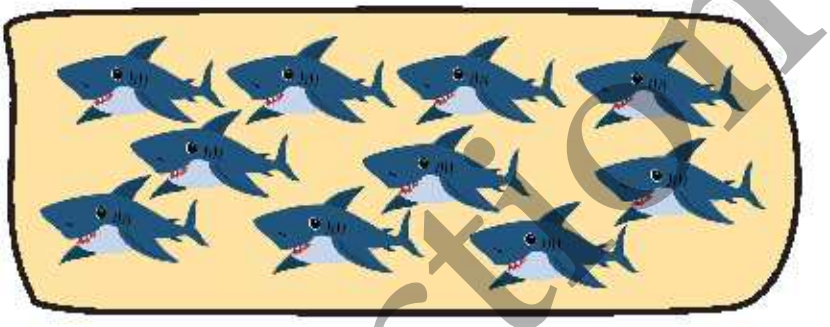
Let's observe.

10



ten

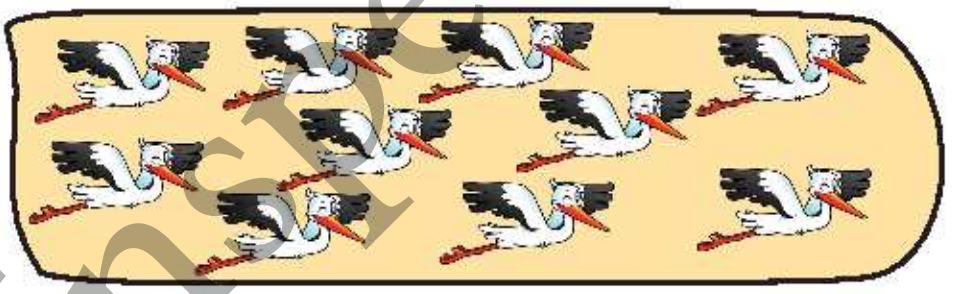
Let's count.

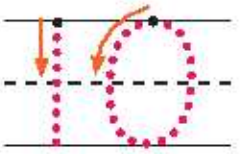


10

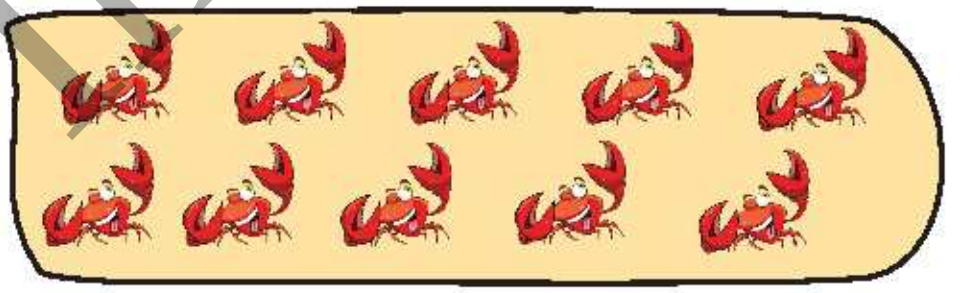
look and trace.

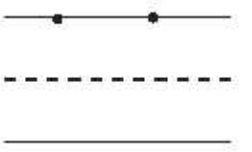
1)





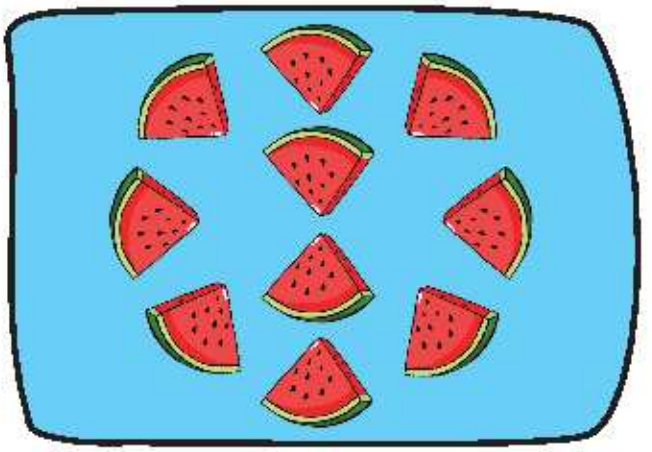
2)

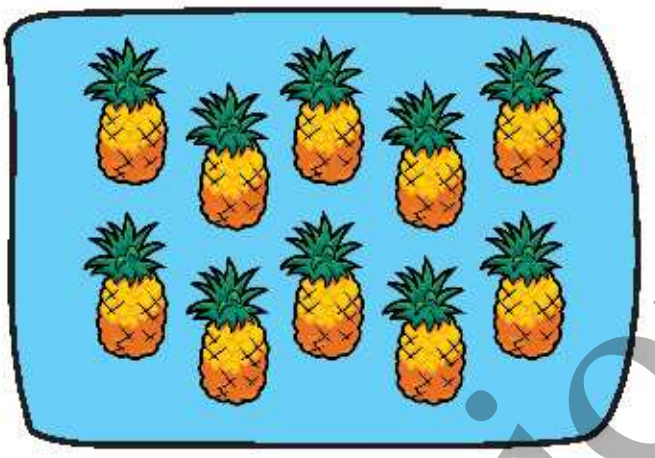




Inspection Copy

Colour a box as you count.

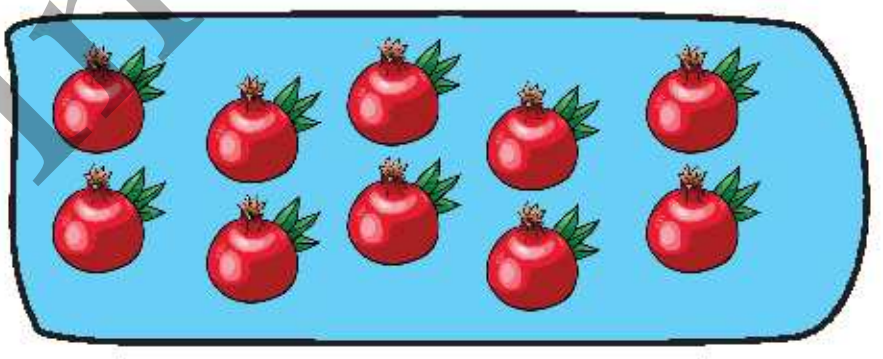




Count and write.

1)

2)



Inspection Copy

4.2. More and fewer

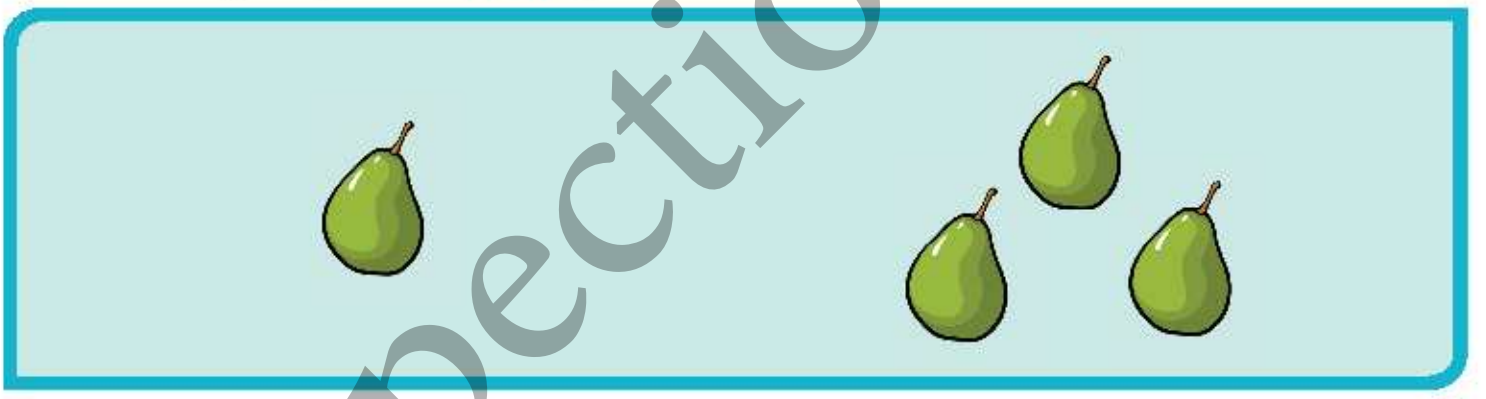
Let's observe.

There are 6 bees and 3 birds.

The bees are more than the birds.

The birds are fewer than bees.

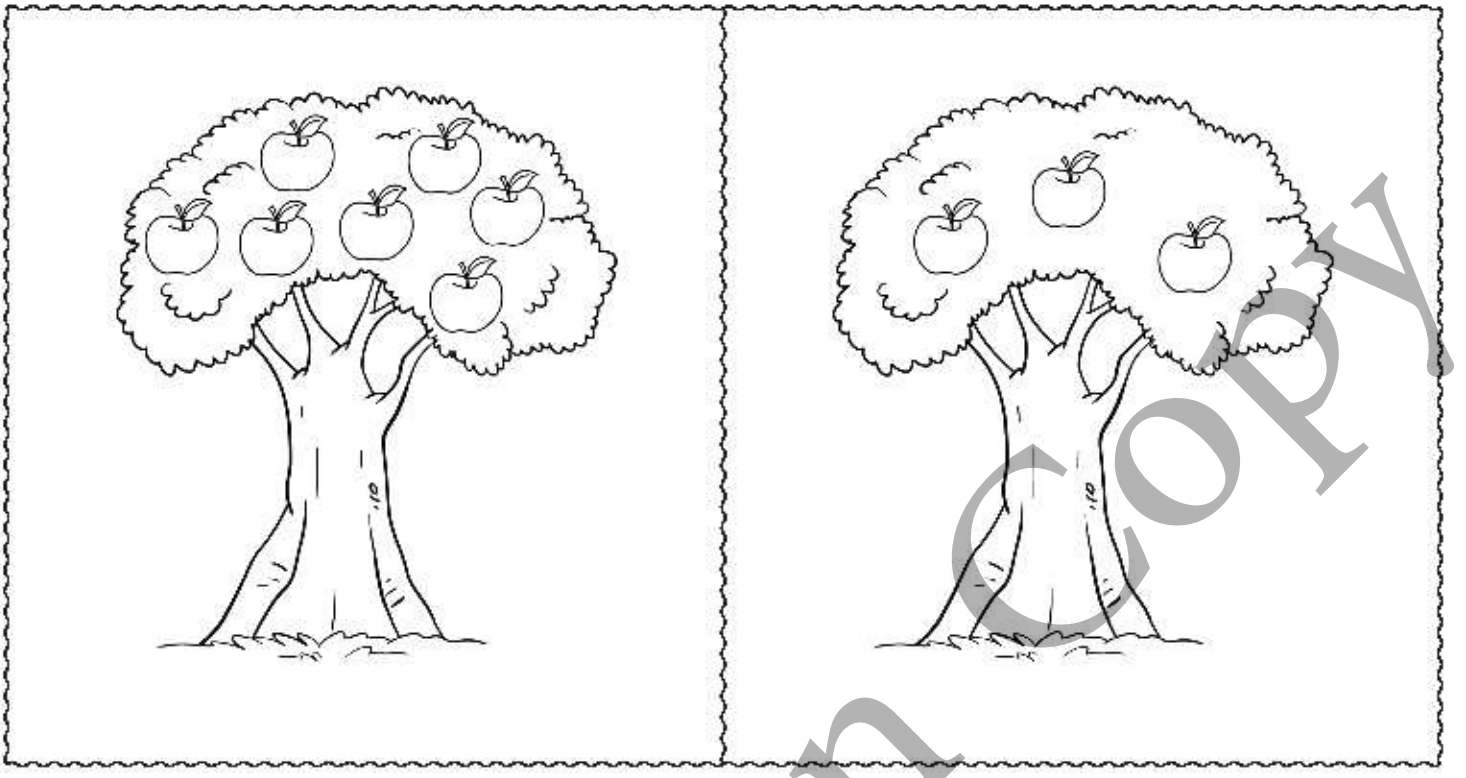
Circle the group with more pears.



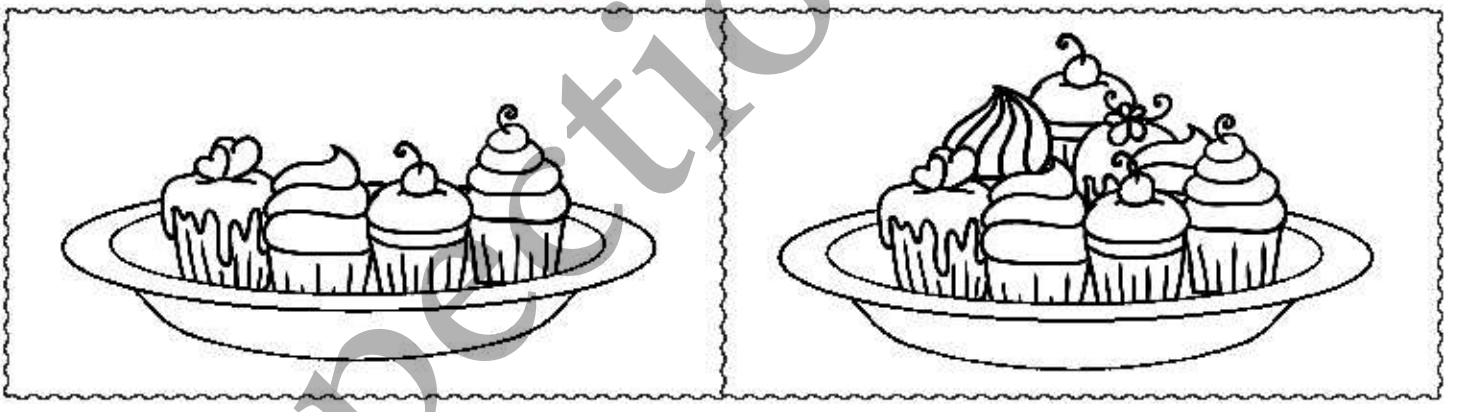
Circle the group with fewer apples.

Inspection Copy

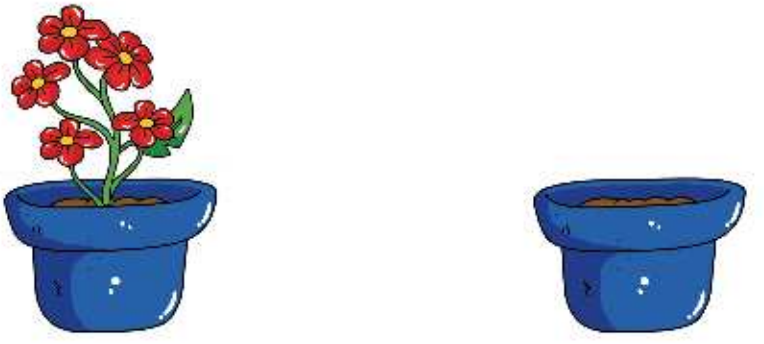
Colour the tree with more apples.



Colour the plate with more cupcakes.



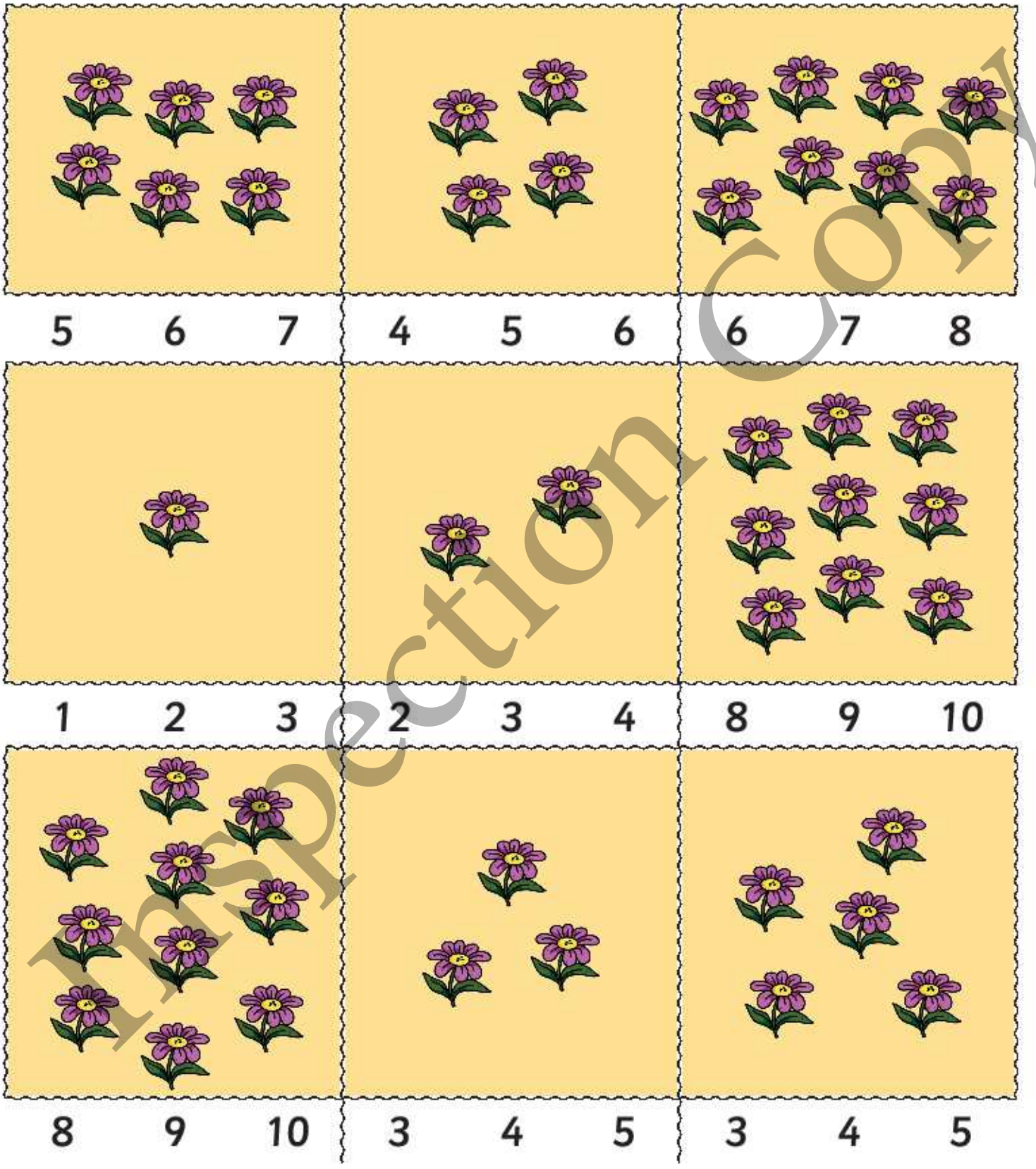
Draw a plant with fewer flowers than the first plant.



Inspection Copy

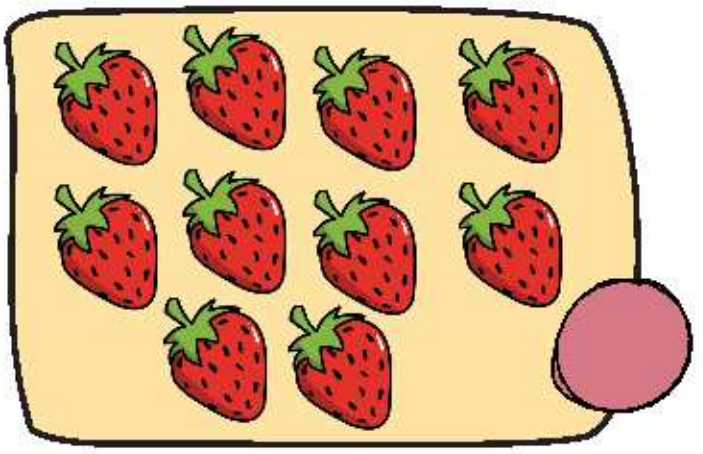
4.3. Let's count

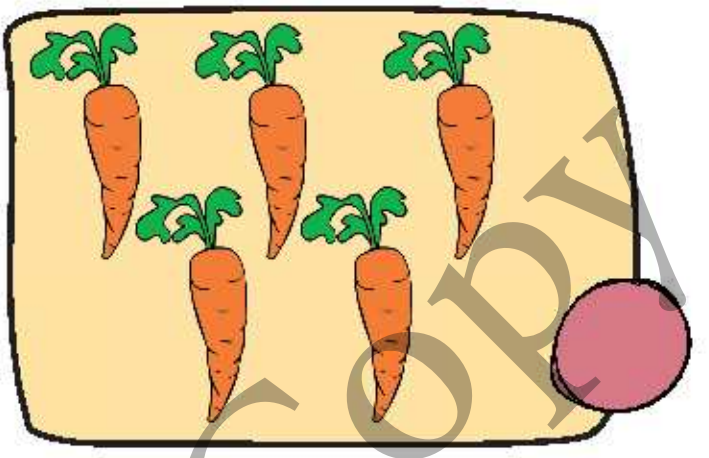
Count the flower and circle the correct number.

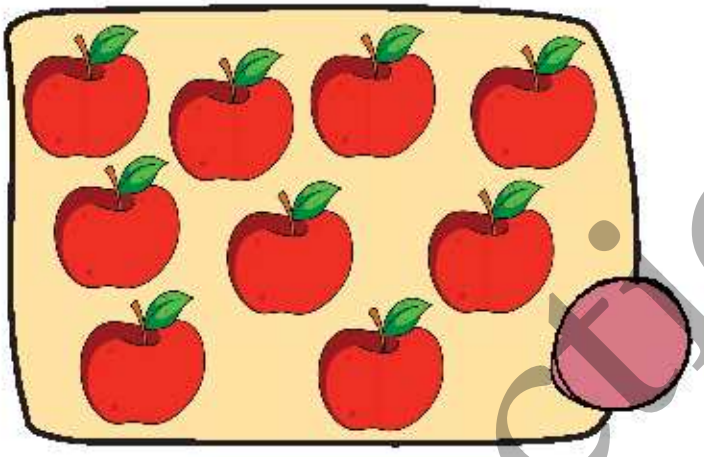


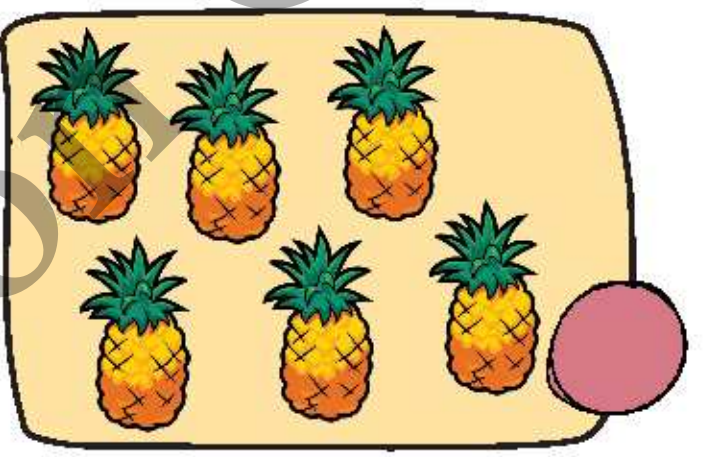
Inspection Copy

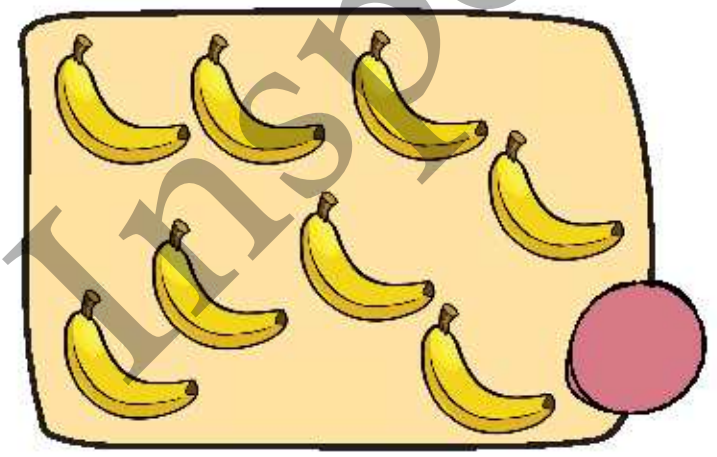
Count and write the number.

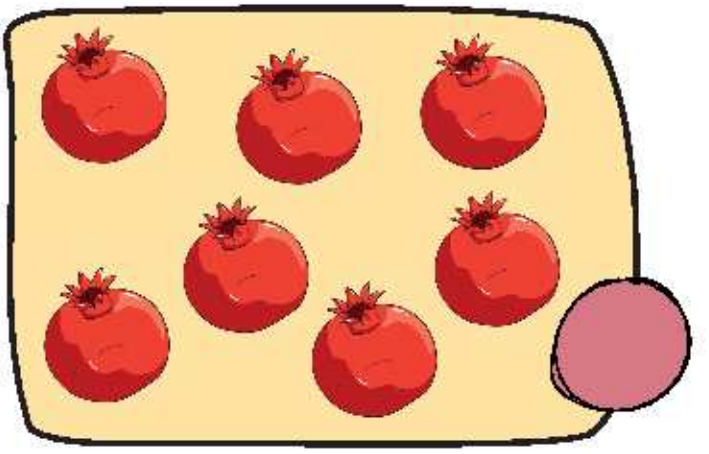




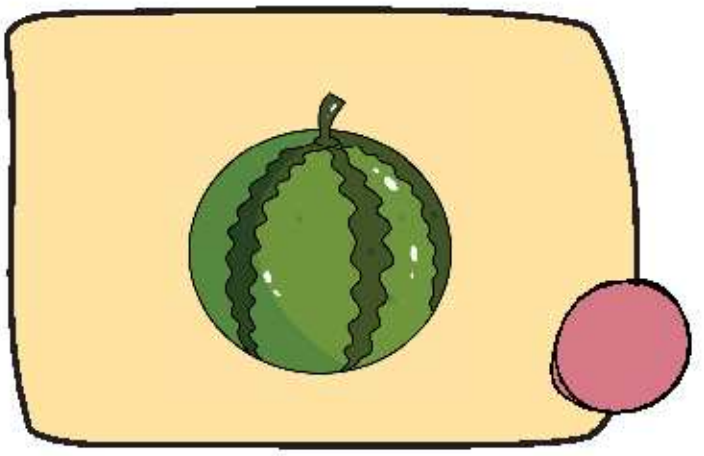


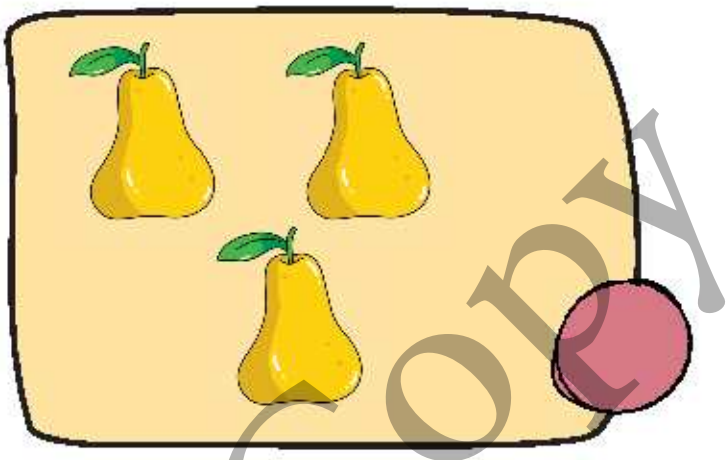


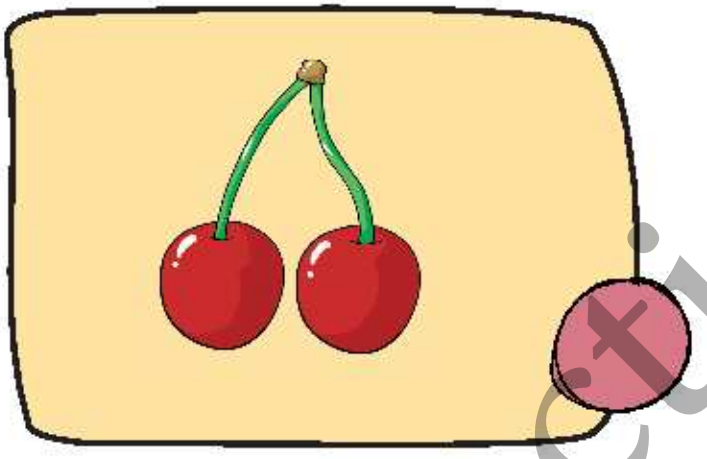


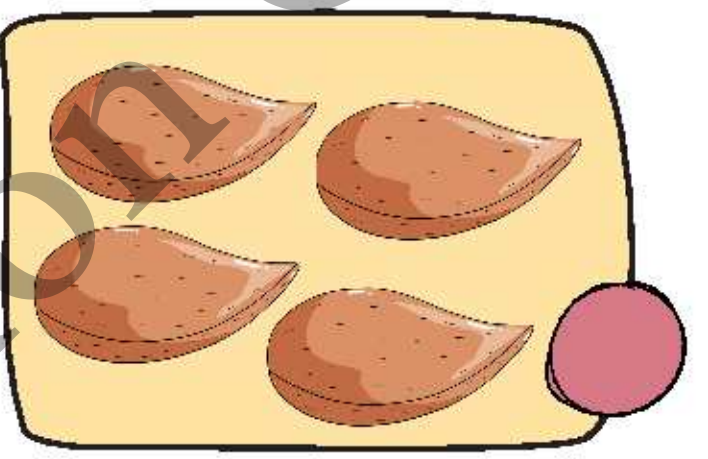


Inspection Copy









Inspection Copy

Inspection Copy