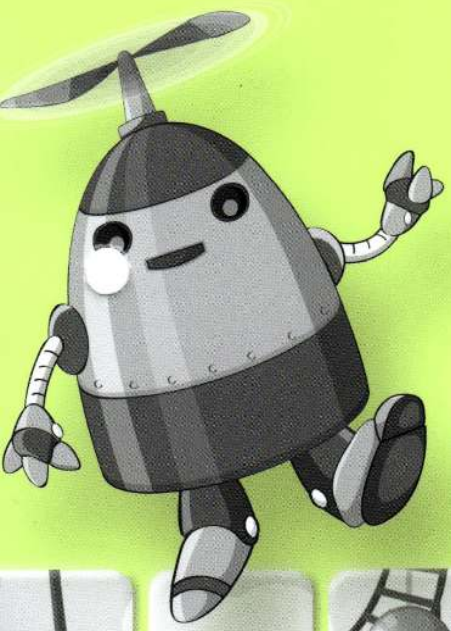
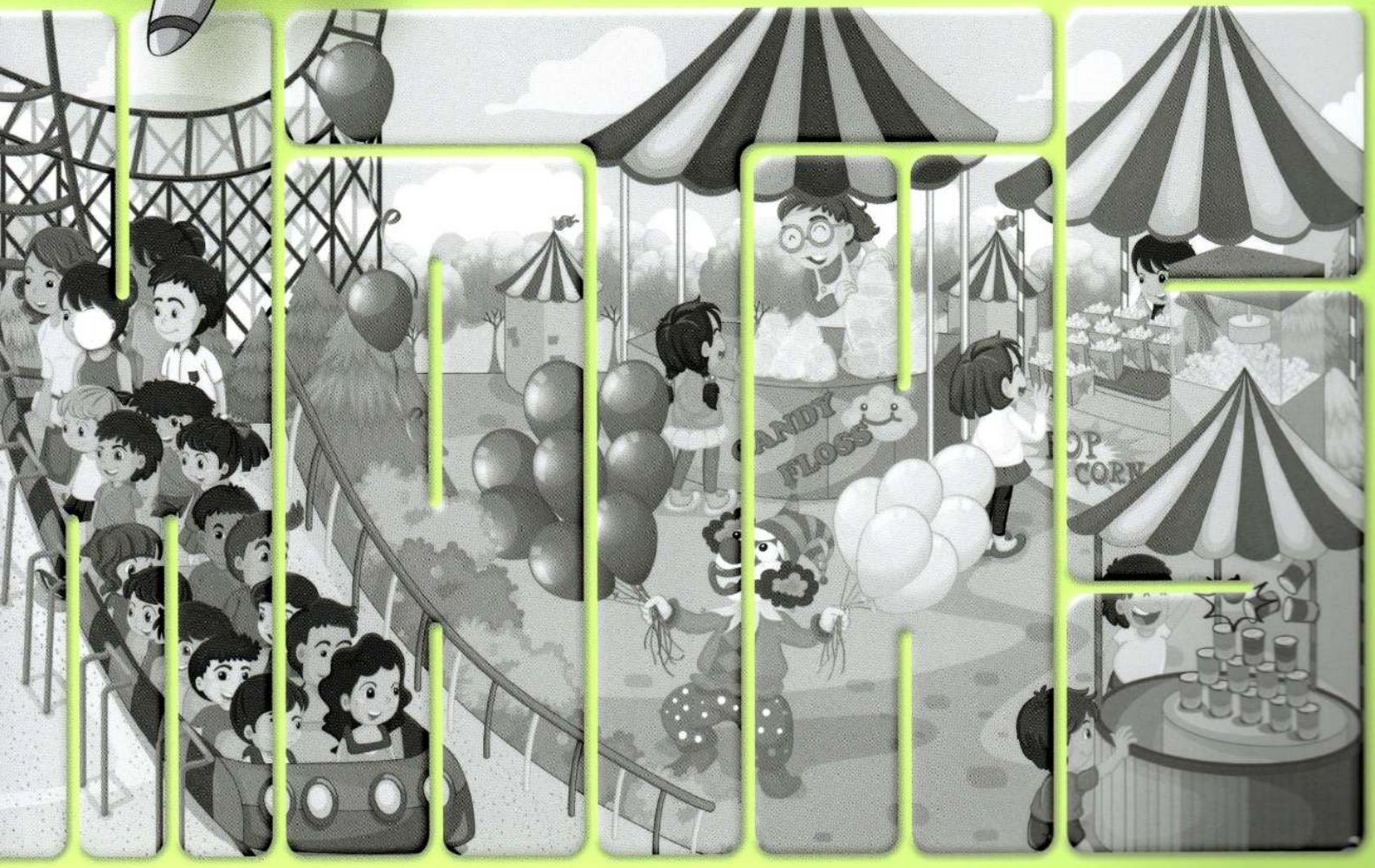
Targeting Mathematics



Workbook 1A Part 1

Dr Eric Chan Chun Ming . Daniel William Cole
Consultant: Dr Joseph Yeo Kai Kow



Name: _____ Class: _____

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Workbook 1A Part 1

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Approved by Ministry of Education for use from 2013-2019

Star Publishing Pte Ltd

Preface

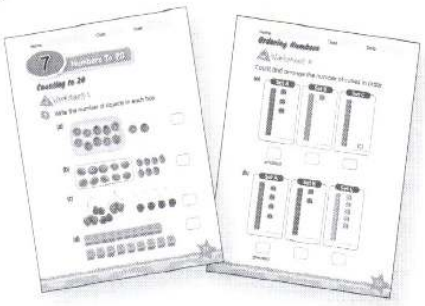
Targeting Mathematics is a series of textbooks and workbooks written based on the latest Primary Mathematics Syllabus provided by the Ministry of Education, Singapore. This series supports the Concrete-Pictorial-Abstract approach and the use of ICT tools to enhance conceptual understanding. It incorporates the use of manipulatives, videos and online math activities as teaching aids to enhance teaching of mathematics.

The exercises in the workbooks are designed to support learning in a progressive manner. Through a combination of drilling, challenging and problem solving exercises, pupils can consolidate their mathematical concepts and build confidence in learning mathematics.

Features

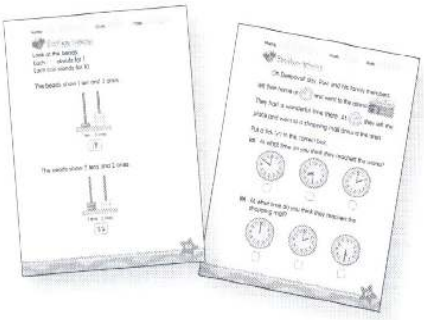
L1 Worksheets

Level 1 worksheets provide questions that test a pupil's understanding of mathematical concepts.



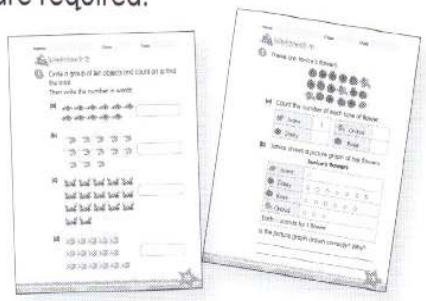
Problem Solving

These activities are designed to challenge pupils to be creative in solving problems.



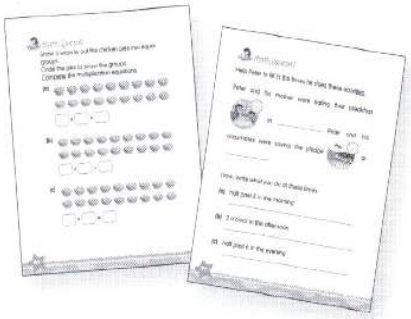
L2 Worksheets

Level 2 worksheets contain more challenging questions where higher order thinking and process skills are required.



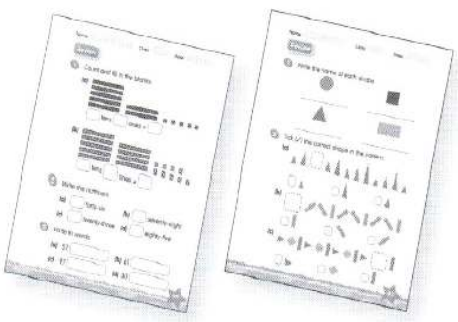
Math Journal

This allows pupils to reflect on their learning.



Review

The review exercises allow pupils to revise and consolidate mathematical concepts learnt.



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Name: Class: Date:

1 Numbers To 10

Counting from 0 to 10

L1 Worksheet 1

1 Count and write the number.

example

3 caps

(a)

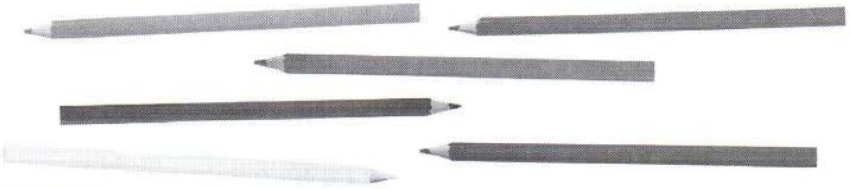
[ ] apples

(b)

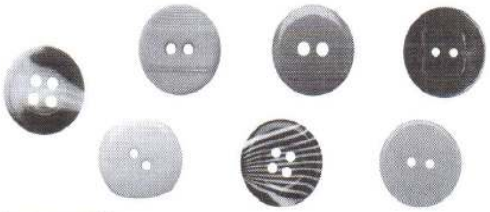
[ ] balloons

(c)

[ ] butterflies

(d) 

☐ coloured pencils

(e) 

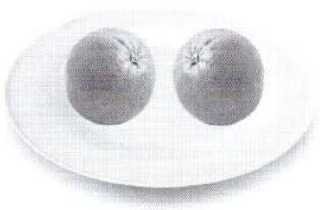
☐ buttons

(f)

☐ cubes

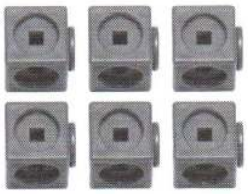
2 Write the number of oranges.

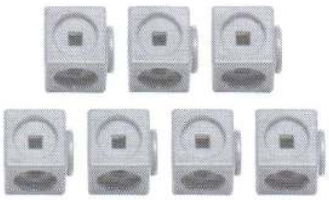
(a) ☐

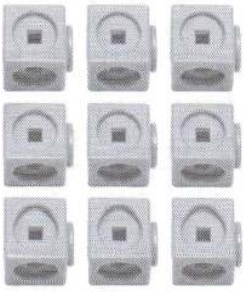
(b)  ☐

(c) ☐

3 Count and match.







seven

six

one

four

two

five

eight

nine

three

ten

4 Count and write the number.

Name: Class: Date:

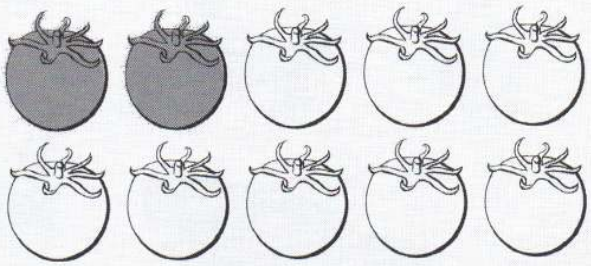
L2 Worksheet 2

1 Colour and write the correct number of objects.

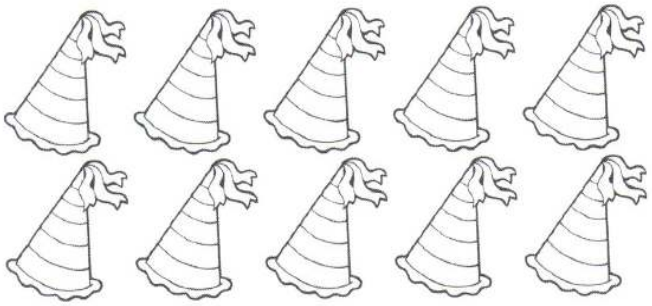
example

two

2



(a) five



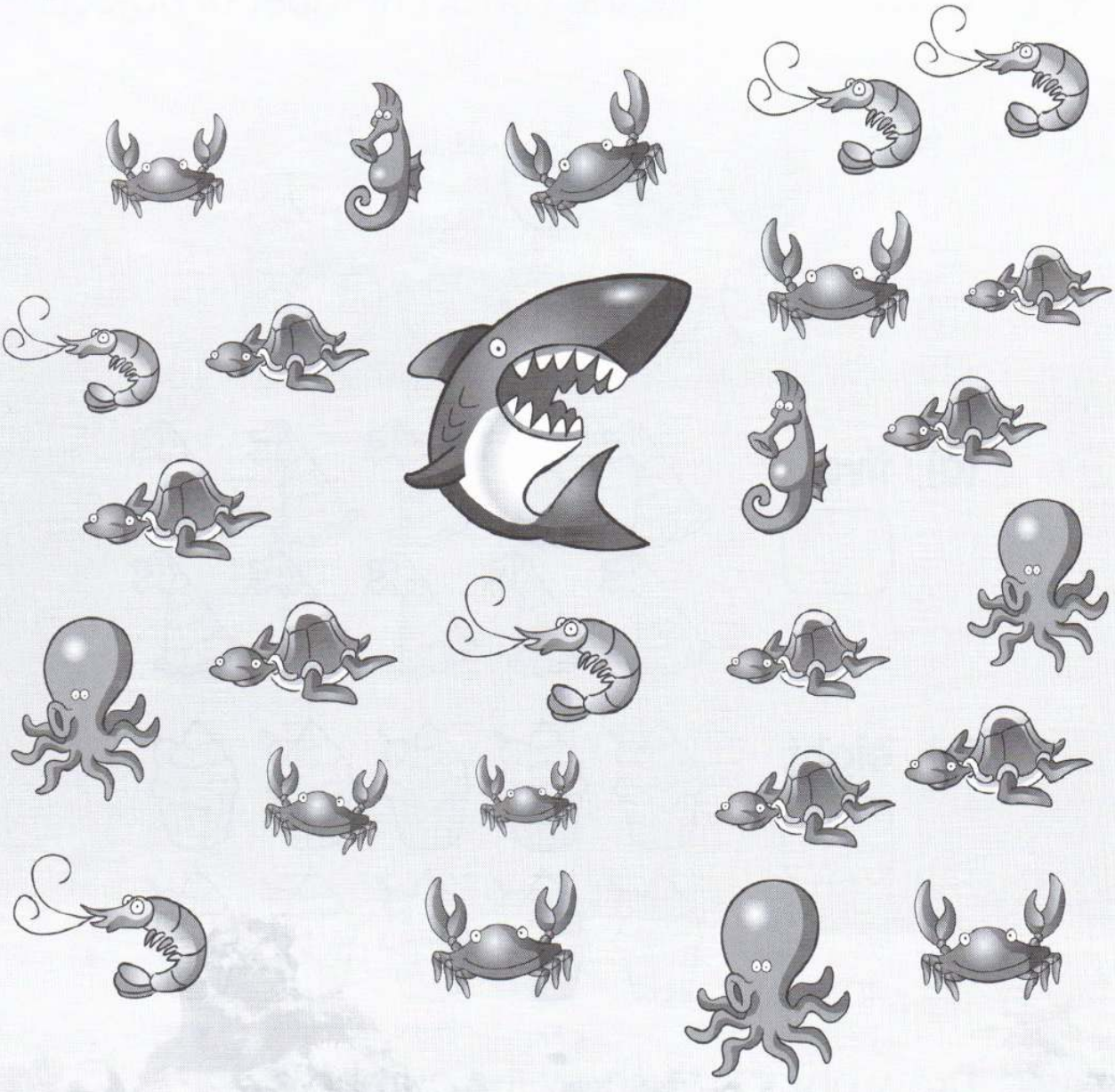
(b) eight

2 Draw objects to show the numbers.

(a) four

(b) six

3 Spot and count.
Write in numerals and in words.



	3	three			

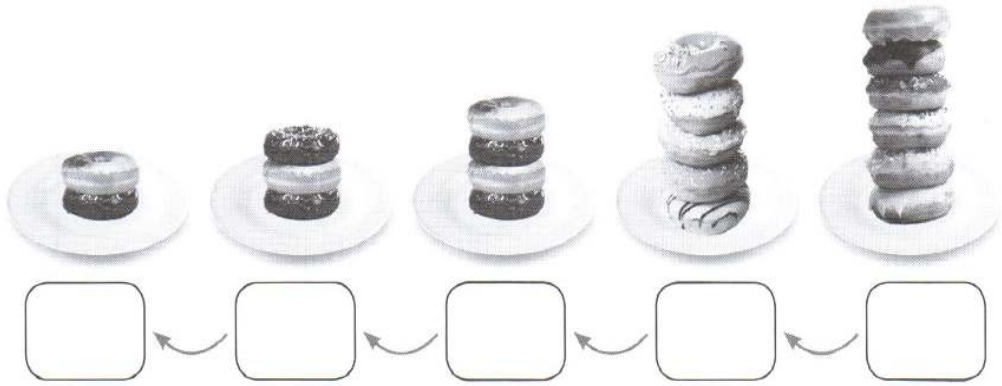
Name: Class: Date:

Worksheet 3

1 Count on and count back.
Fill in the missing numbers.

(a)

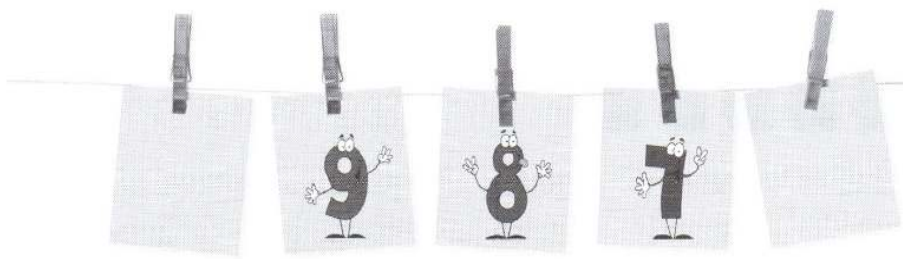
(b)



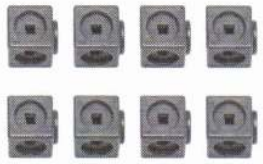
(c)

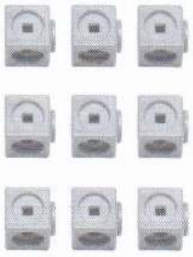
(d)

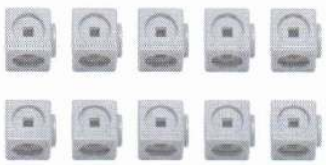
(e)

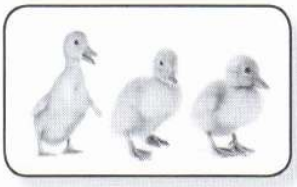


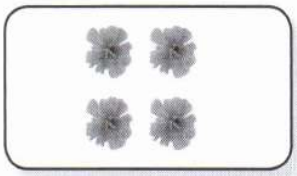
2 Match the number of cubes to the correct card.

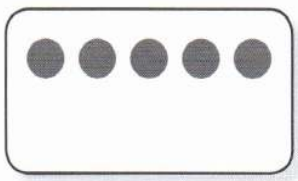


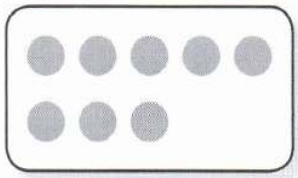


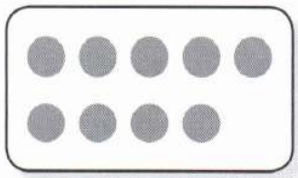












Name: Class: Date:

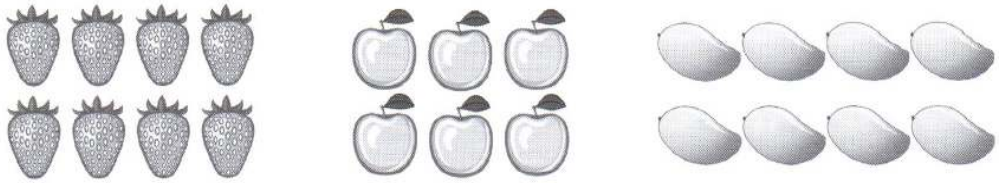
Comparing Numbers

L1 Worksheet 4

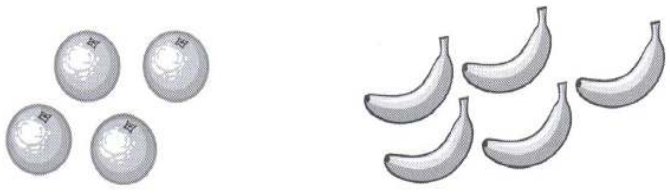
1. Circle the groups that have the same number of objects.

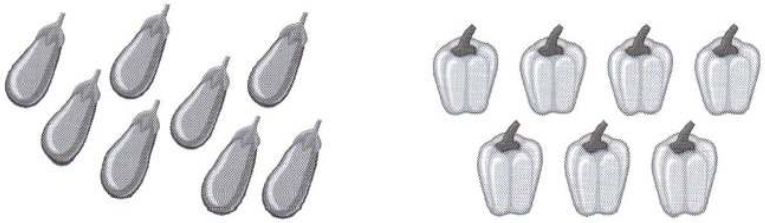
(a)

(b)

(c) 

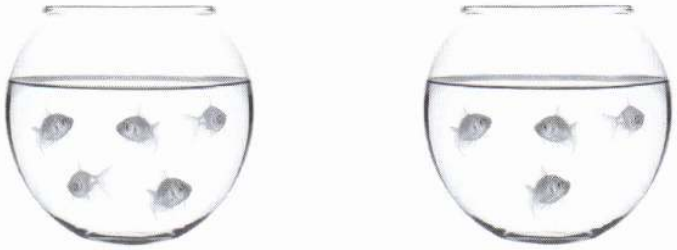
2. Circle the group that has more objects.

(a) 

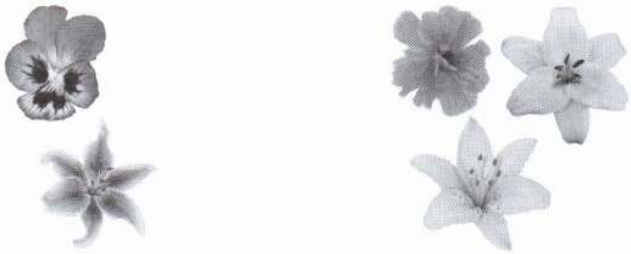
(b) 

3 Circle the group that has fewer objects.

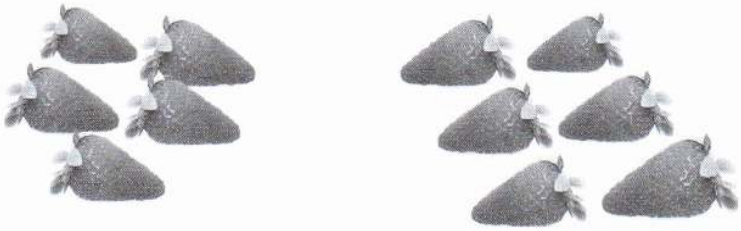
(a)



(b)



(c)



4 Tick (✓) the correct sentence.

☐ There are more mangoes than bananas.

☐ There are as many mangoes as bananas.

Name: Class: Date:

L2 Worksheet 5

1 Write **more** or **fewer** in each blank.

(a)

There are _____ than .

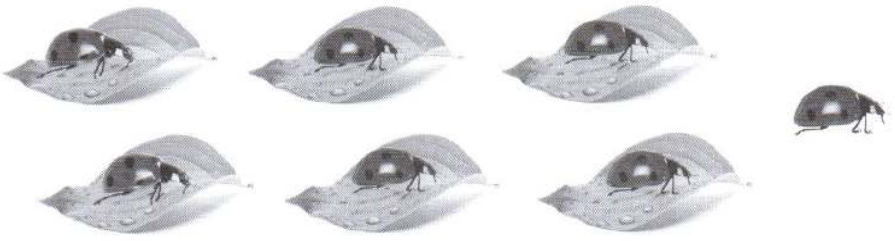
There are _____ than .

(b)

There are _____ than .

There are _____ than .

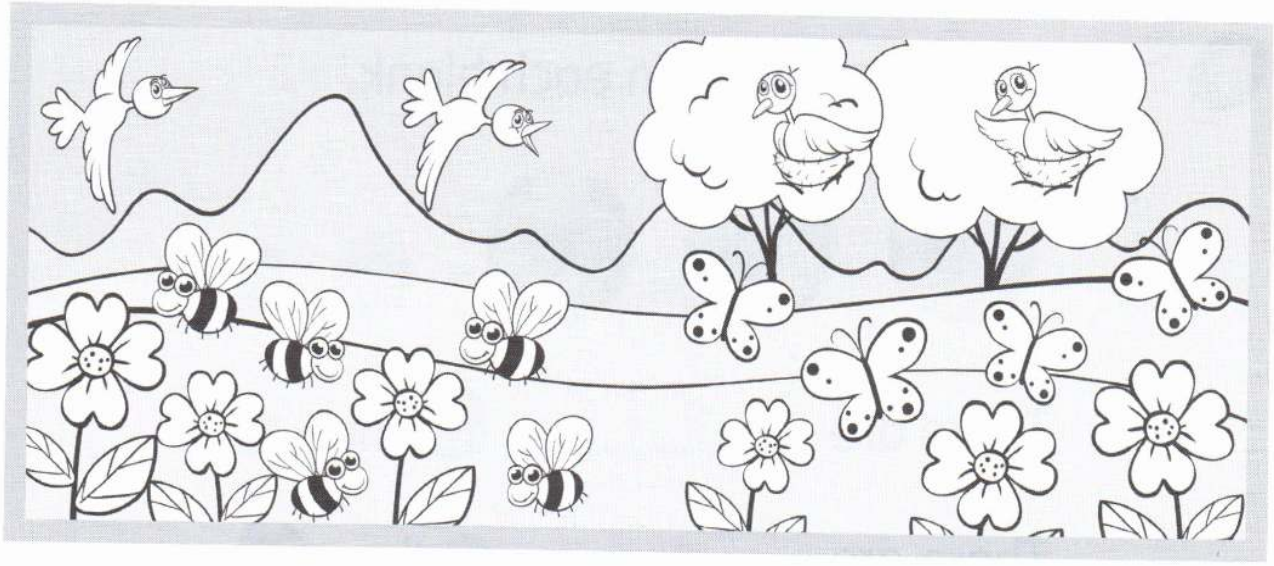
(c)



There are _____ than .

There are _____ than .

2 Count and write the number.



Use the words below to fill in the blanks.

more…than fewer…than as many…as

(a) There are _____ _____ _____ .

(b) There is 1 _____ _____ _____ .

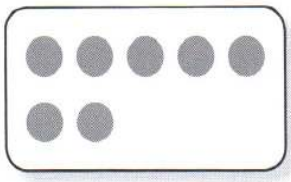
(c) There is 1 _____ _____ _____ .

(d) There is 1 _____ _____ _____ .

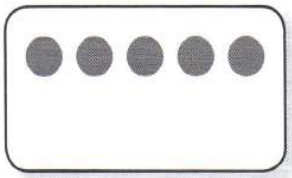
Name: Class: Date:

Worksheet 6

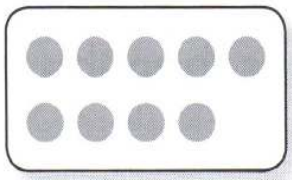
1. Circle the number that is 1 more than the number of dots.

(a) 

5 6 7 8 9

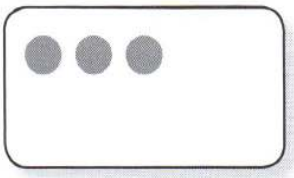
(b) 

3 4 5 6 7

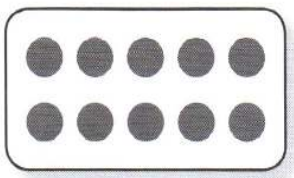
(c) 

6 7 8 9 10

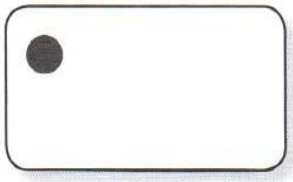
2. Circle the number that is 1 less than the number of dots.

(a) 

1 2 3 4 5

(b) 

6 7 8 9 10

(c) 

0 1 2 3 4

3 Write the number that is 1 more than the number of cubes.

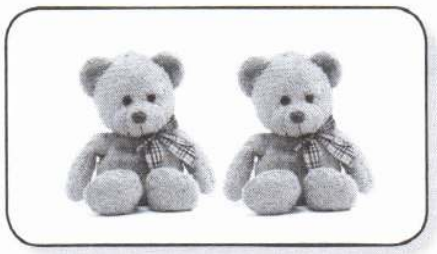
(a)

☐ is 1 more than 6.

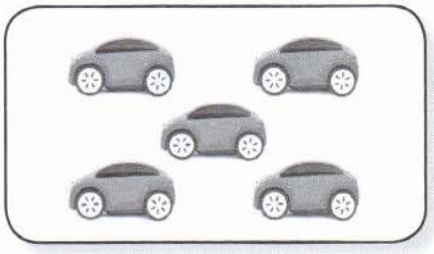
(b)

☐ is 1 more than 8.

4 Write the number that is 1 less than the number of objects.

(a) 

☐ is 1 less than 2.

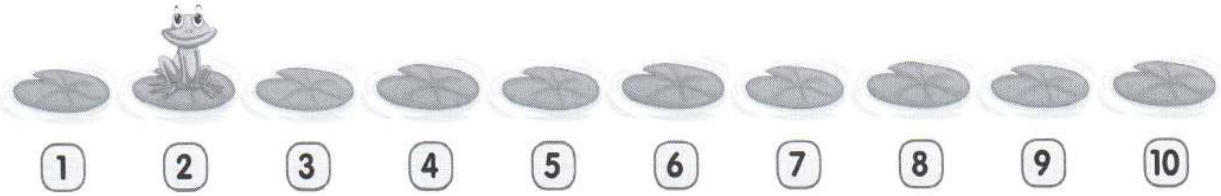
(b) 

☐ is 1 less than 5.

Name: Class: Date:

Problem Solving

Froggie is on Leaf 2.



It jumps 7 steps forward.

Then it jumps 3 steps backward.

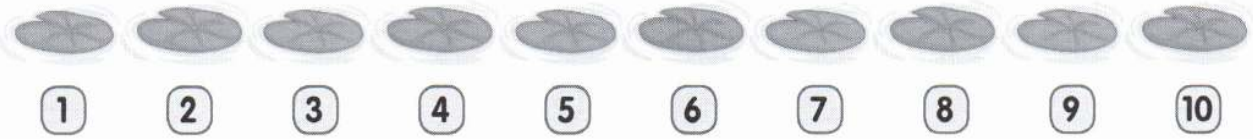
Which leaf is Froggie on now?

Understand

- What does 'jumping forward' mean?
- What does 'jumping backward' mean?
- How many steps does Froggie jump forward?
- How many steps does Froggie jump backward?

Solve

- First, count on 7 steps.
- Draw arrows to show the 7 steps.



Froggie is on Leaf ☐.

- Next, count back 3 steps.
- Draw arrows to show the 3 steps.

Froggie is on Leaf ☐ now.

Name: Class: Date:

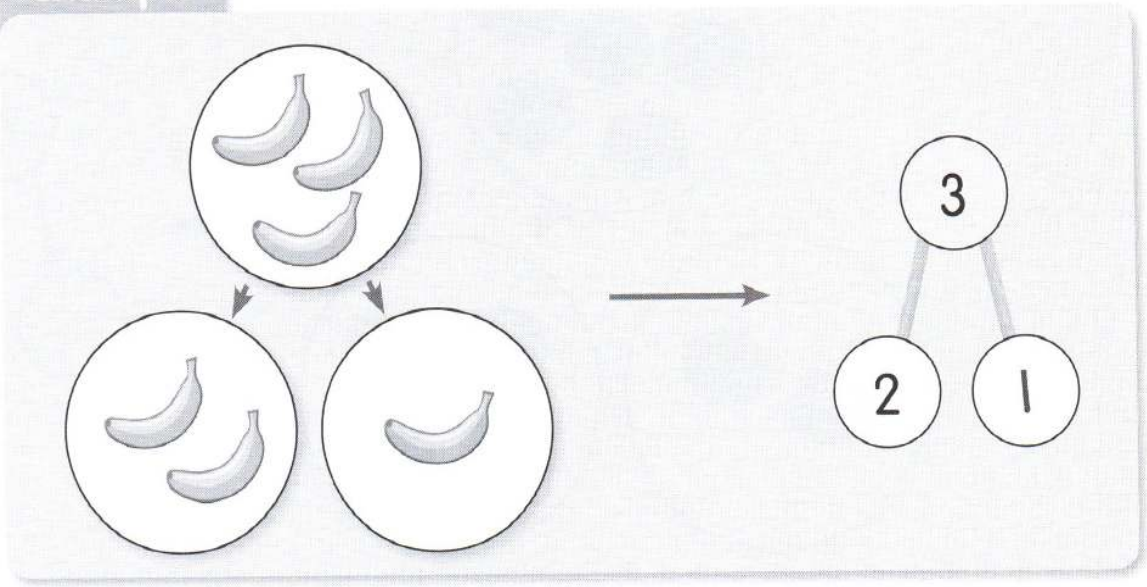
2 Number Bonds

Making Number Bonds

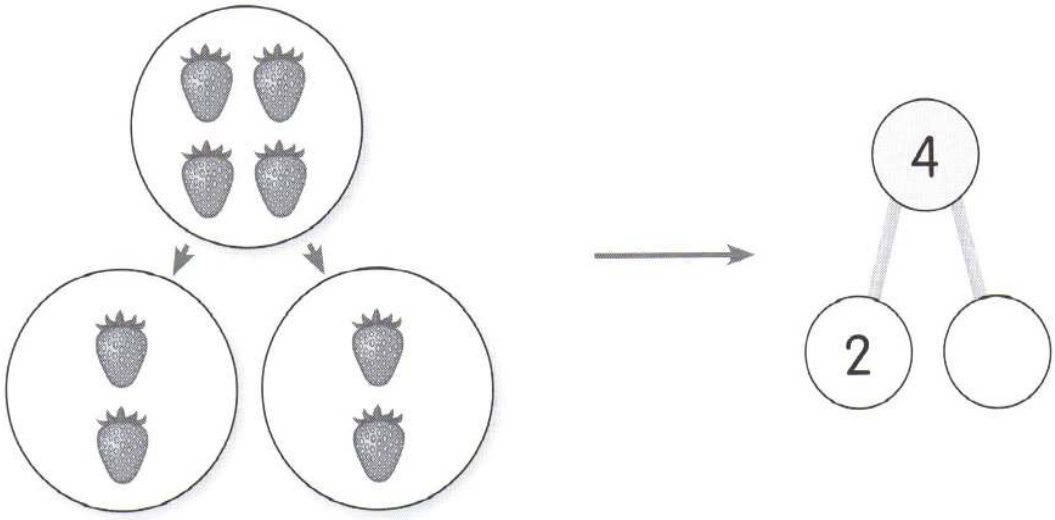
L1 Worksheet 1

1 Write the missing numbers.

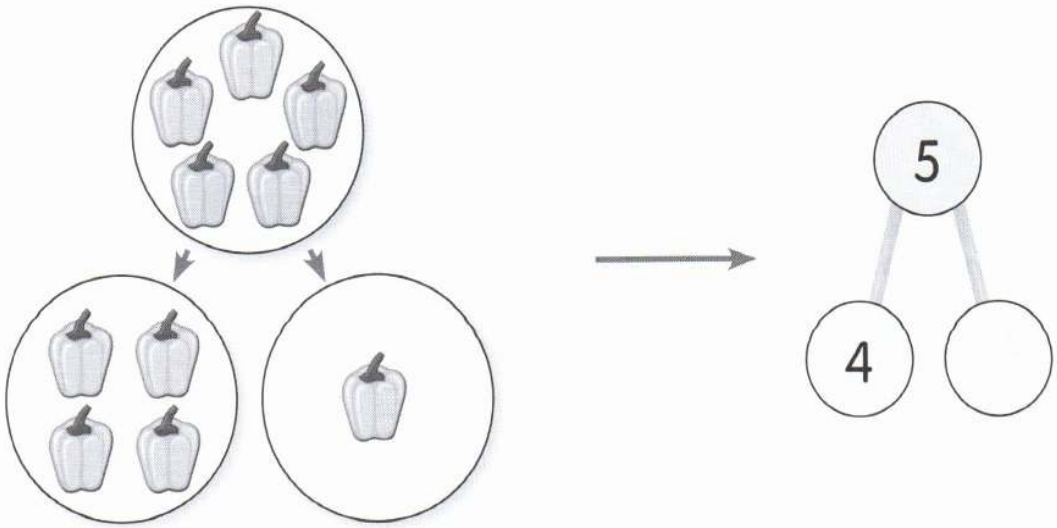
example



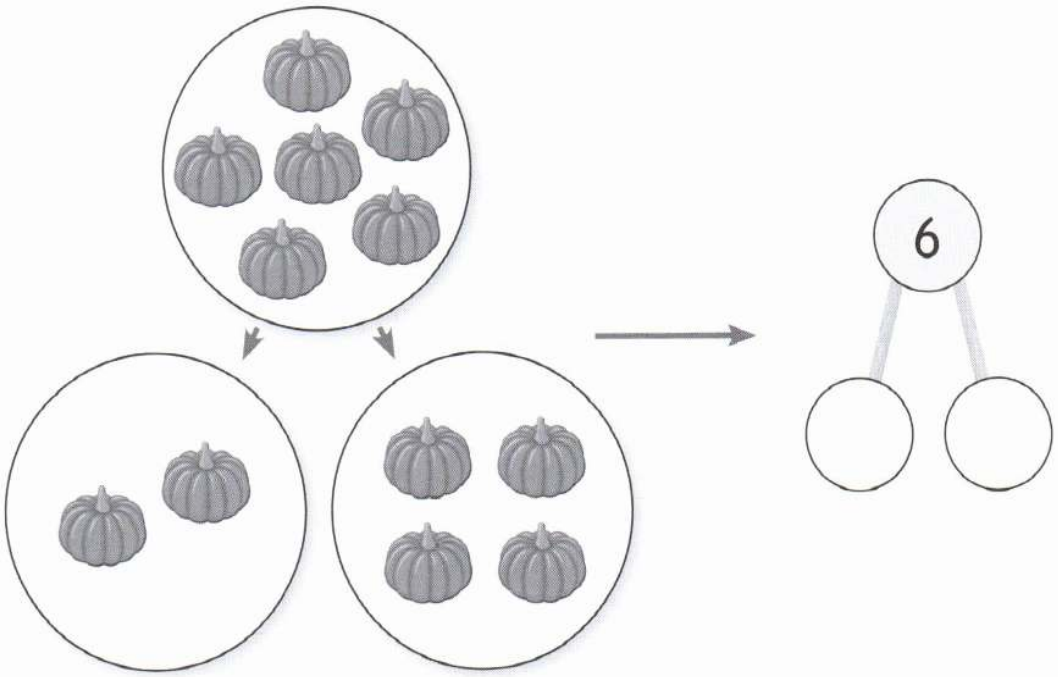
(a)



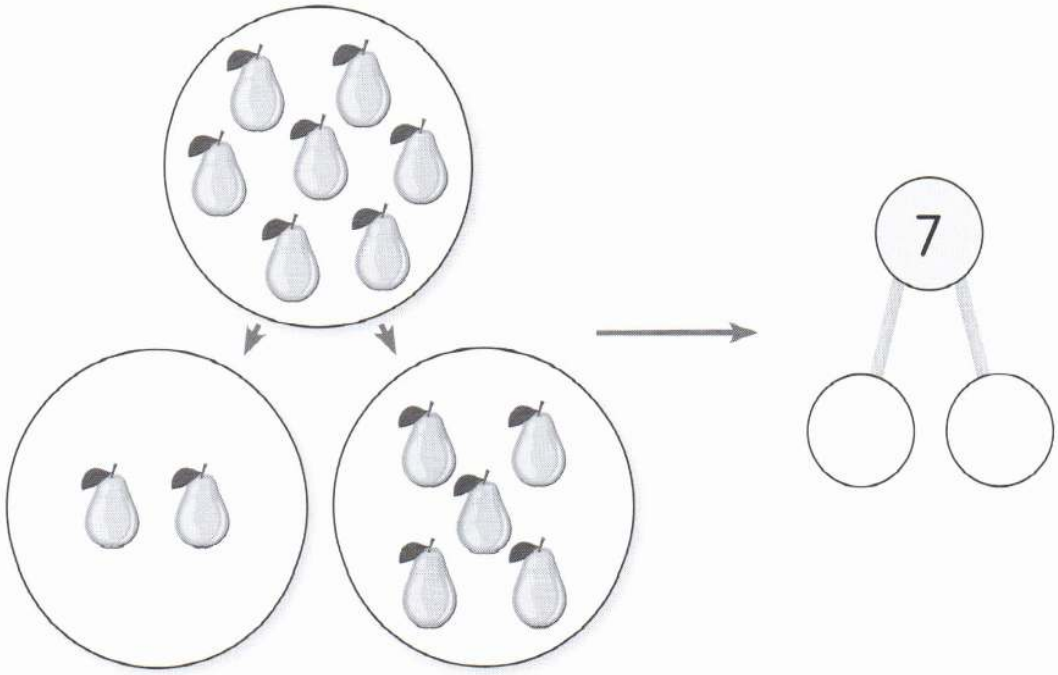
(b)



(c)

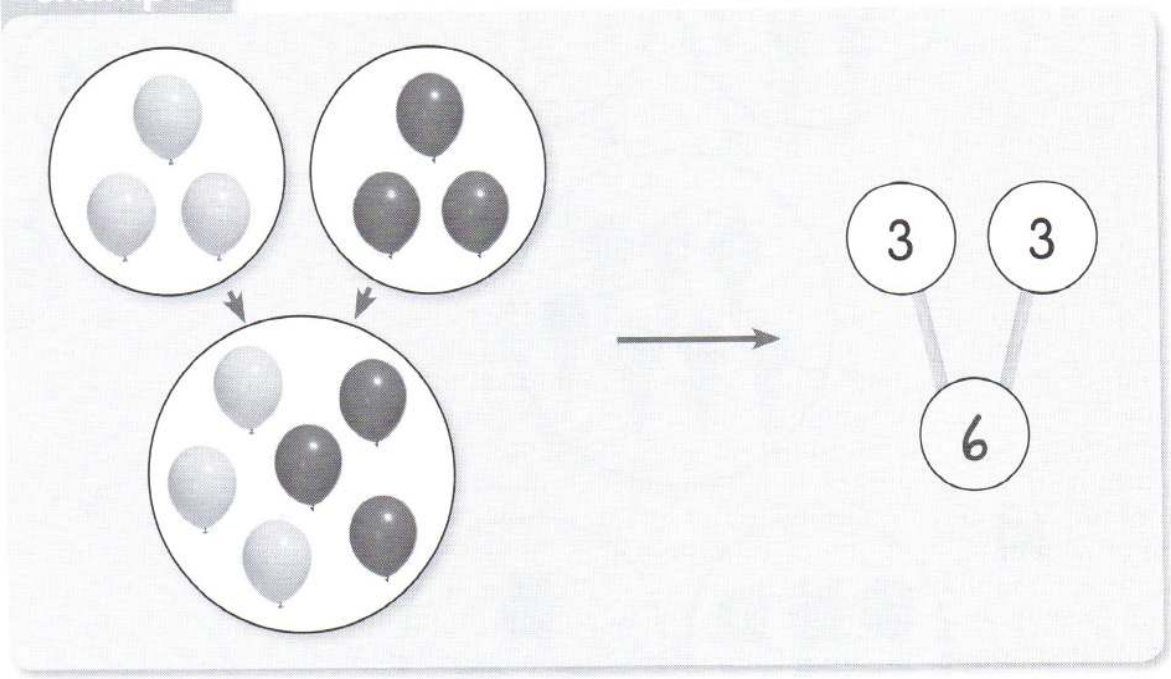


(d)

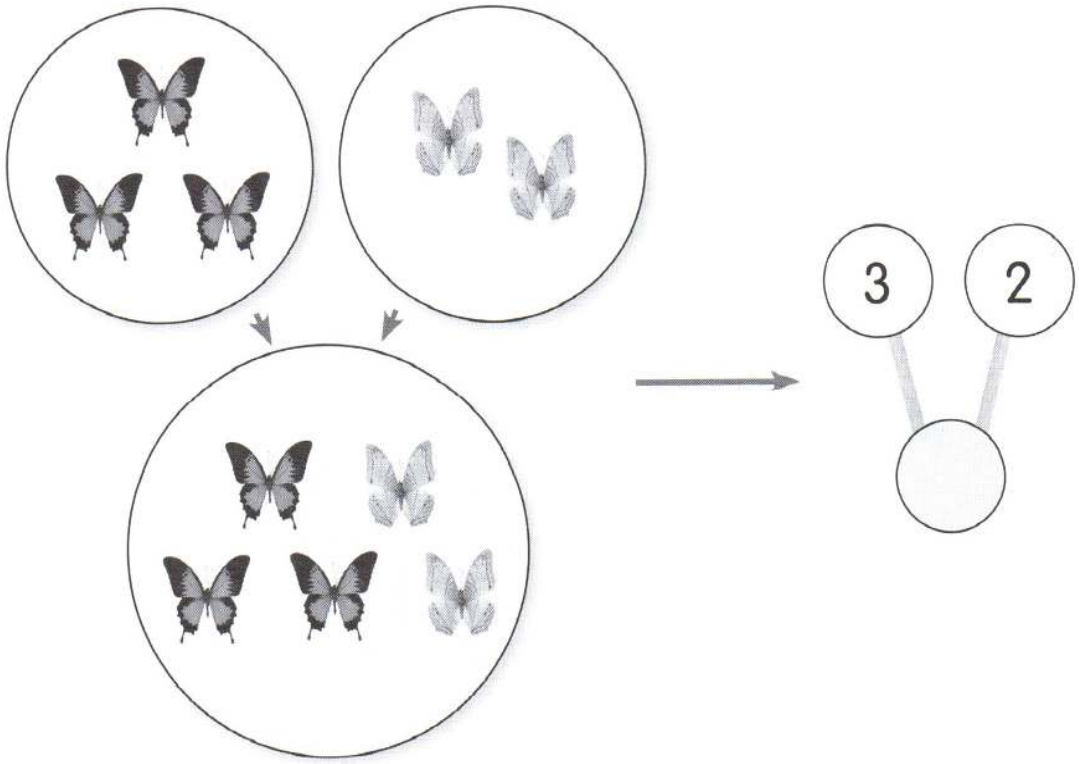


2 Write the missing numbers.

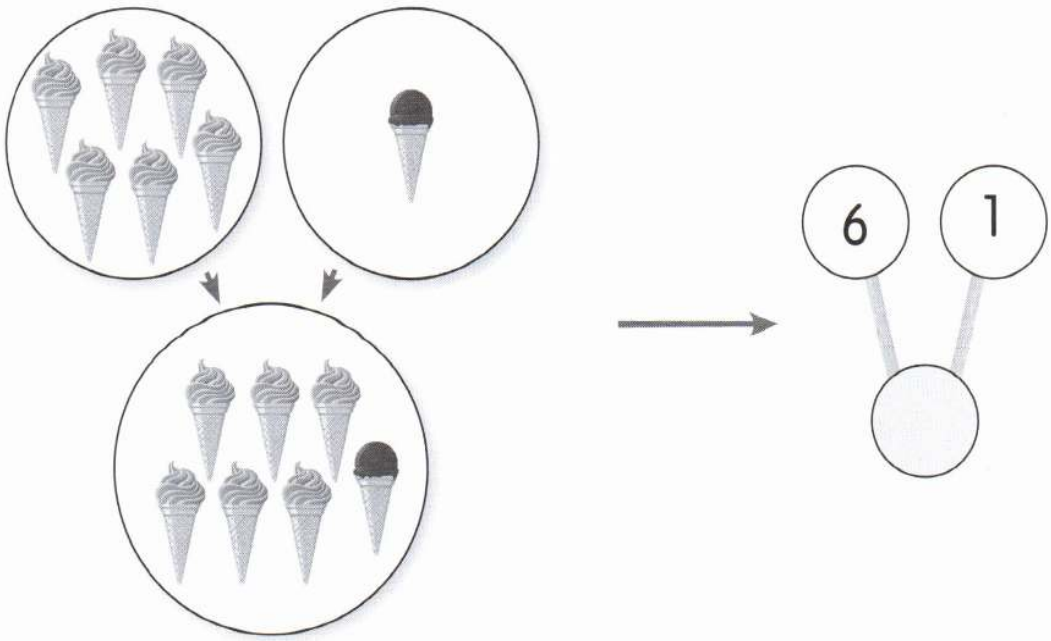
example



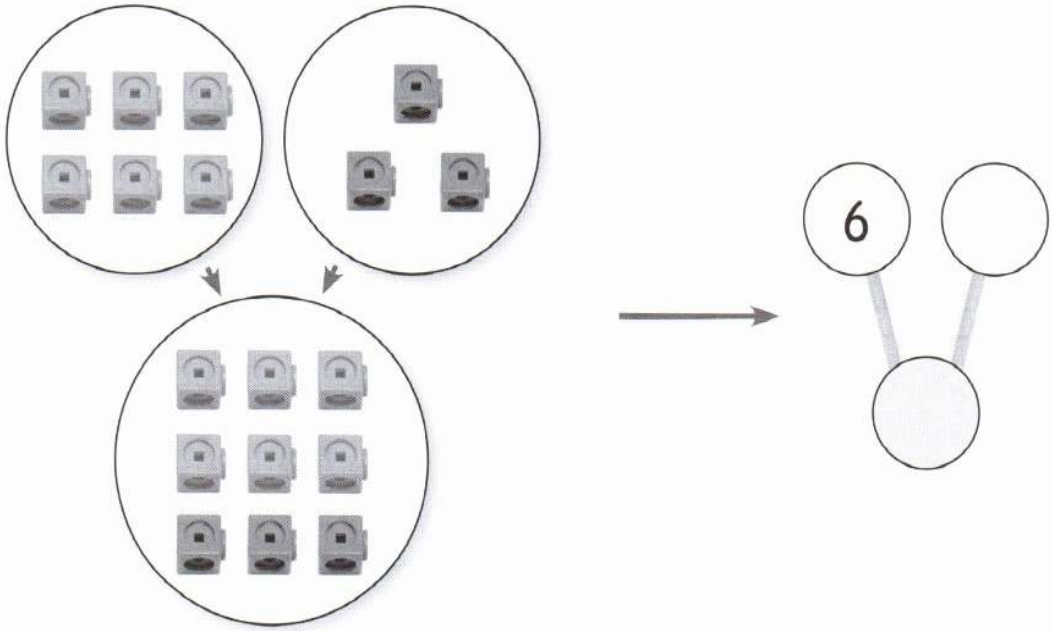
(a)



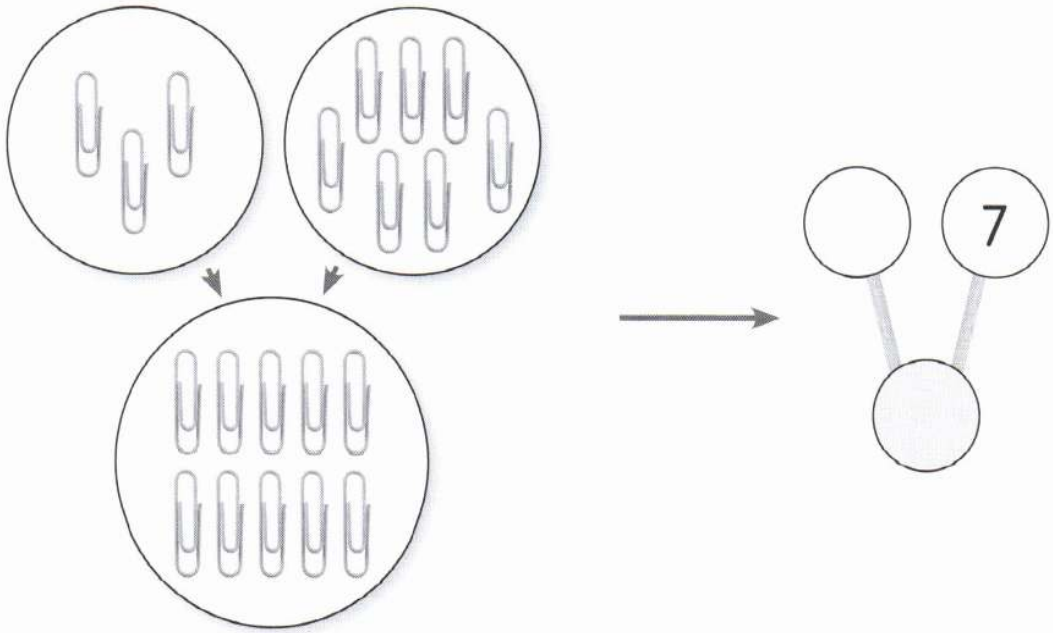
(b)



(c)



(d)



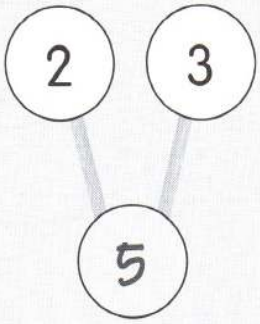
3 Look at each picture. Then fill in the numbers.

example

There are [2] .

There are [3] .

There are [5] balls altogether.

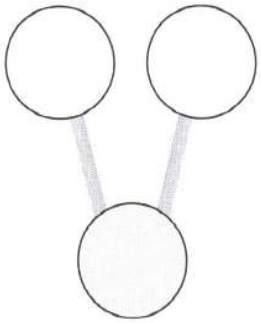


(a)

There are [ ] .

There is [ ] .

There are [ ] frogs altogether.

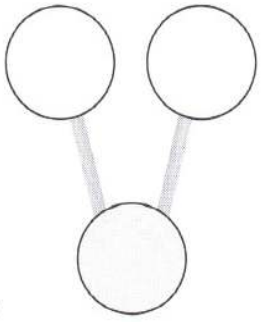


(b)

There are [ ] .

There are [ ] .

There are [ ] flowers altogether.

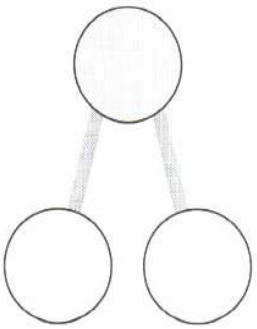


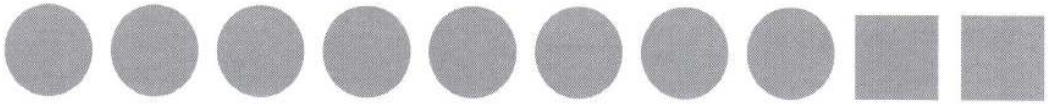
(c)

There are ☐ fruits altogether.

☐ fruits are .

☐ fruits are .

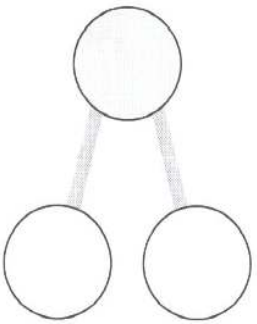


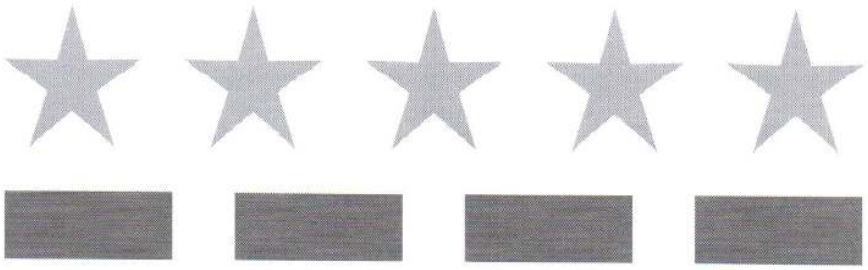
(d) 

There are ☐ shapes altogether.

☐ shapes are .

☐ shapes are .

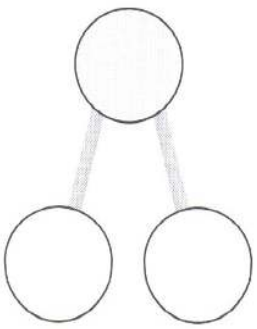


(e) 

There are ☐ shapes altogether.

☐ shapes are .

☐ shapes are .

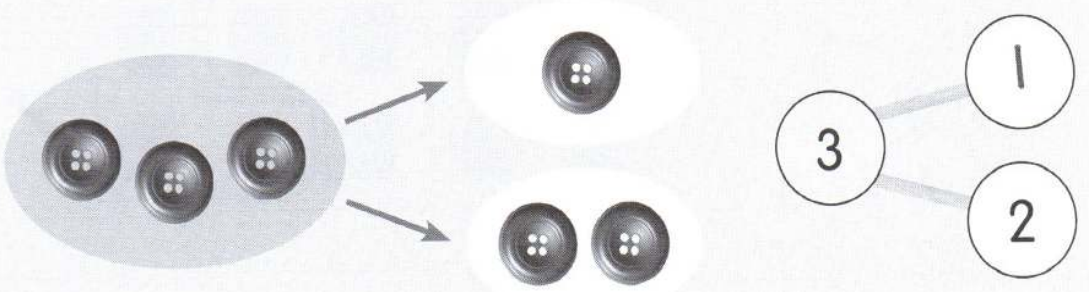


Name: Class: Date:

Worksheet 2

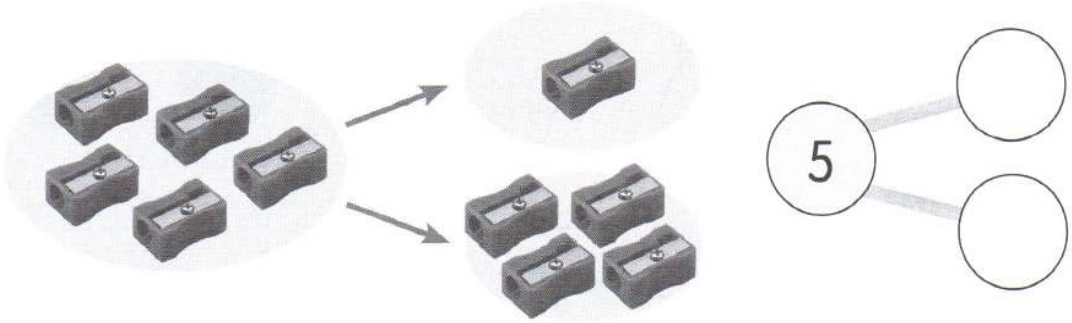
1 Complete the number bond and fill in the boxes.

example



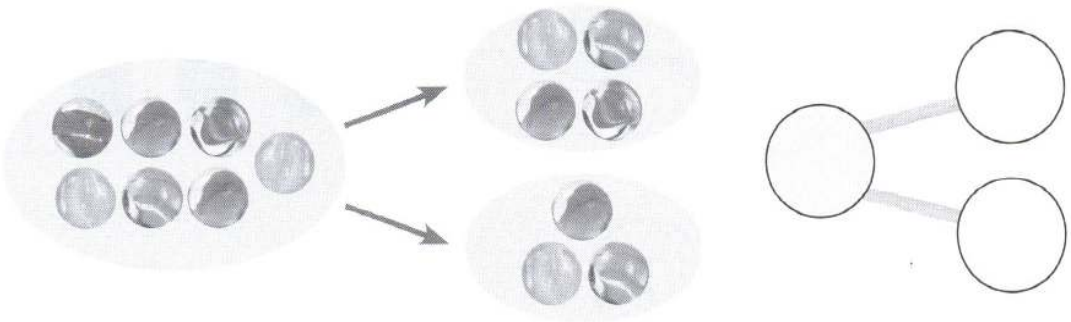
1 and 2 make 3.

(a)



☐ and ☐ make 5.

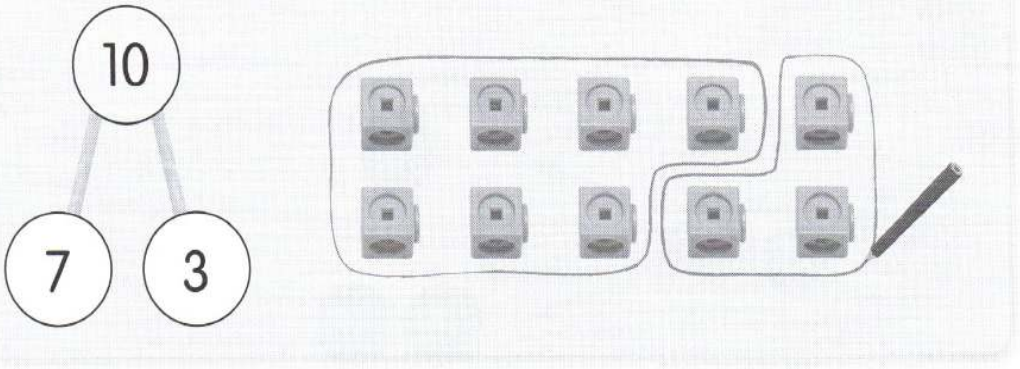
(b)



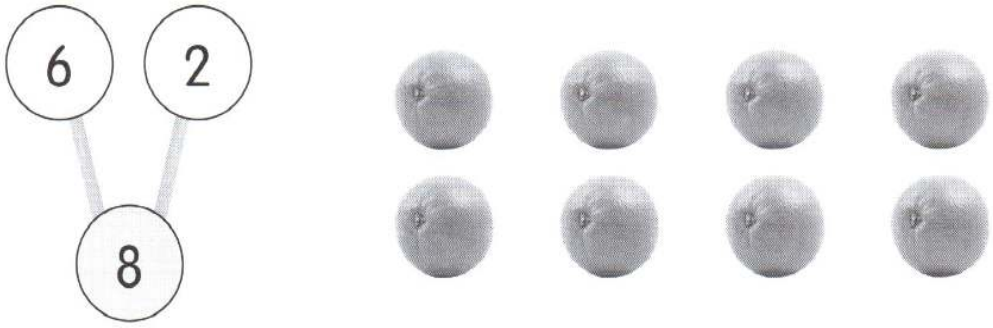
☐ and ☐ make ☐.

2 Circle groups of objects to show the parts of each number bond.

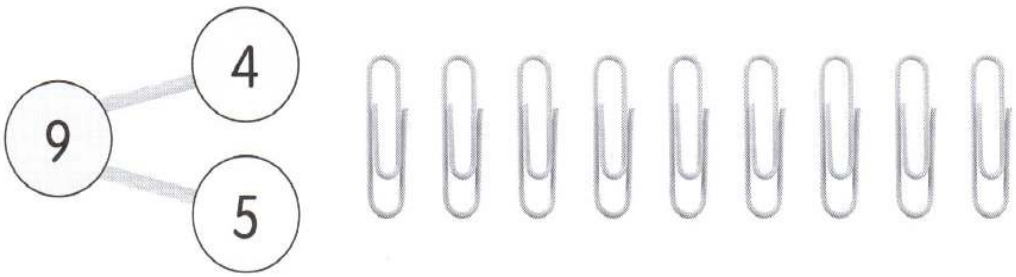
example



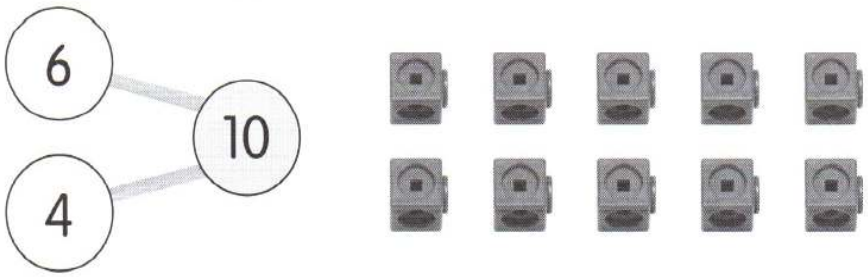
(a)



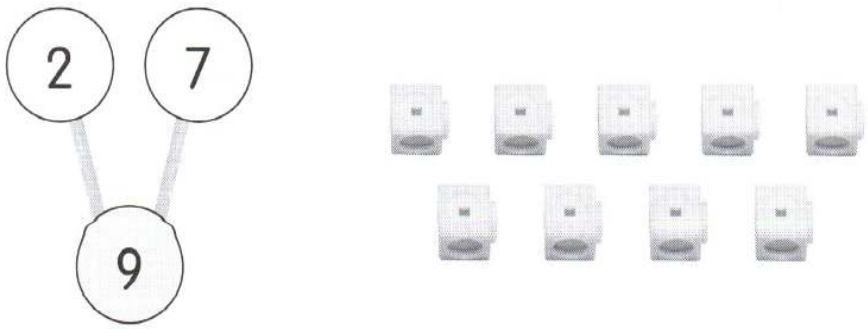
(b)



(c)



(d)

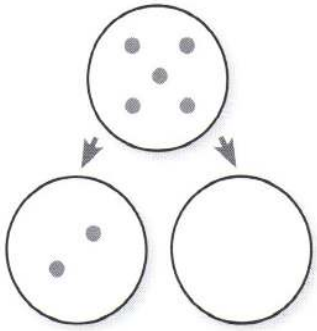


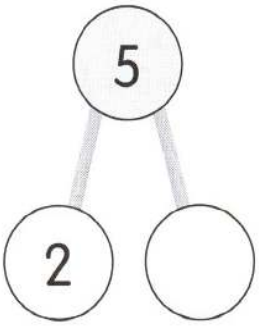
Name: Class: Date:

L1 Worksheet 3

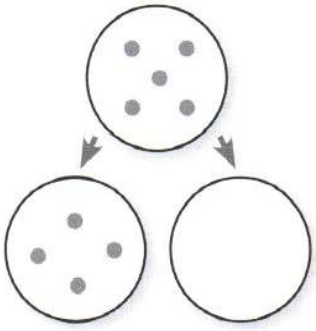
1 What numbers make 5?
Draw the missing dots.
Complete the number bond.

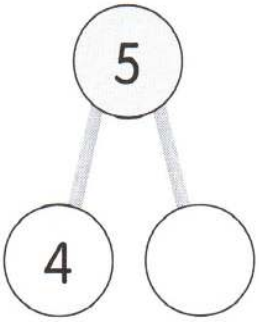
(a)



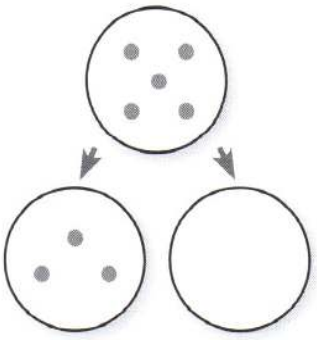


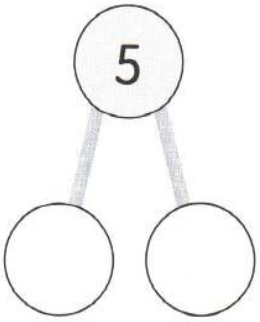
(b)



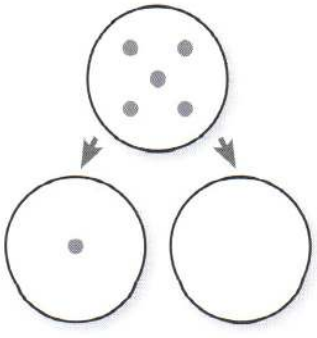


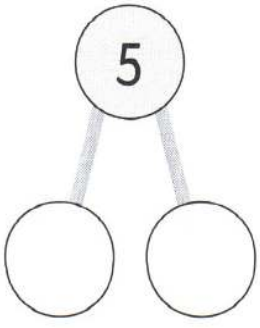
(c)





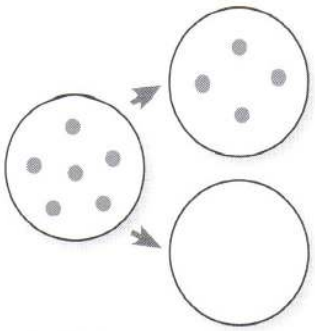
(d)

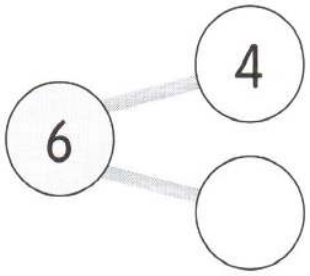




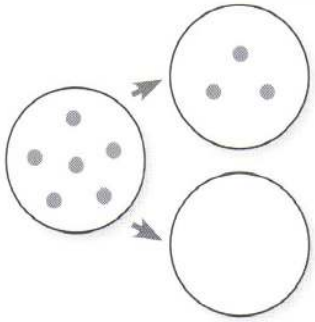
2 What numbers make 6?
Draw the missing dots.
Complete the number bond.

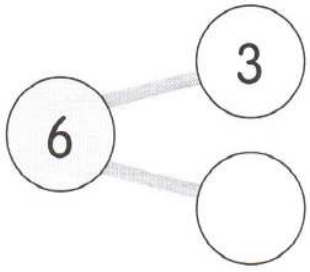
(a)



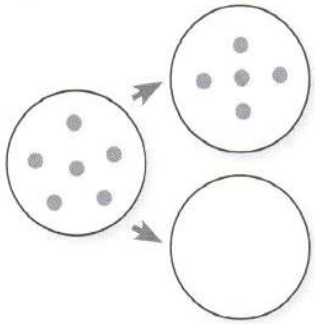


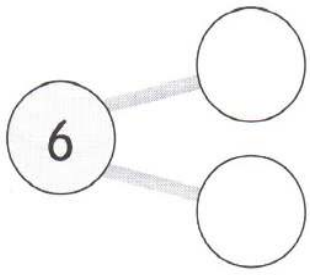
(b)



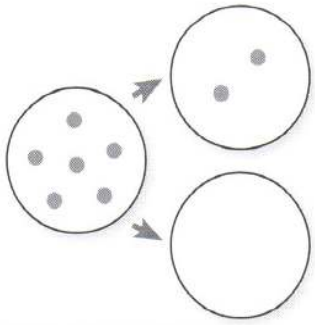


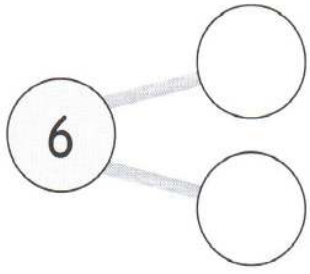
(c)



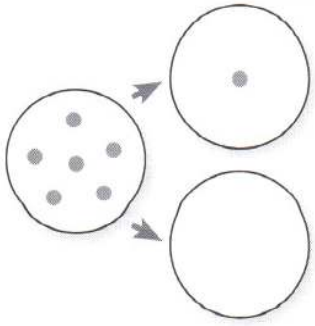


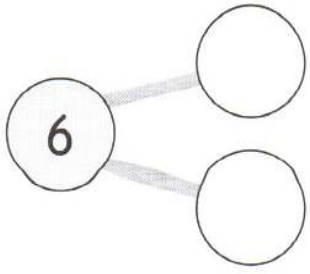
(d)





(e)



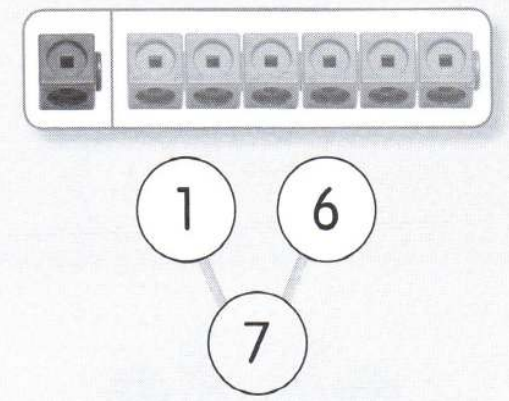


Name: Class: Date:

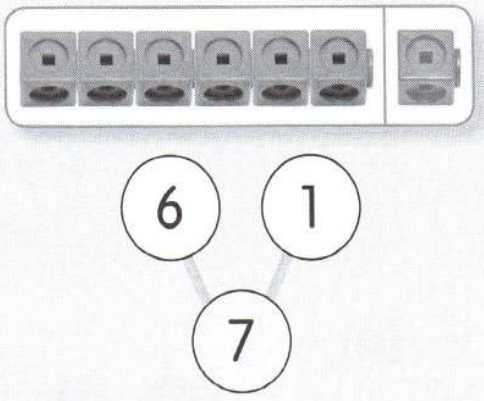
L2 Worksheet 4

1 Look at the number of cubes for each part. Then complete the number bonds of 7.

example

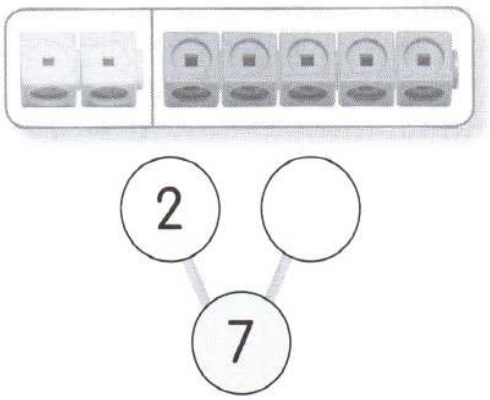


1 and 6 make 7.

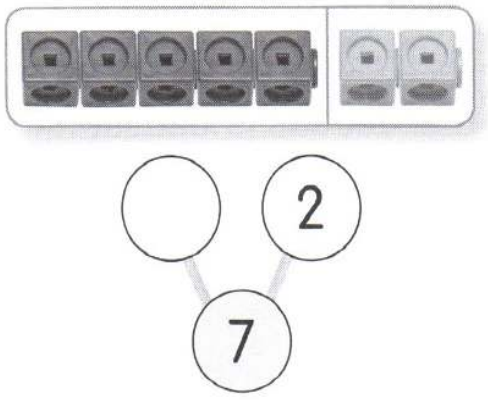


6 and 1 make 7.

(a)

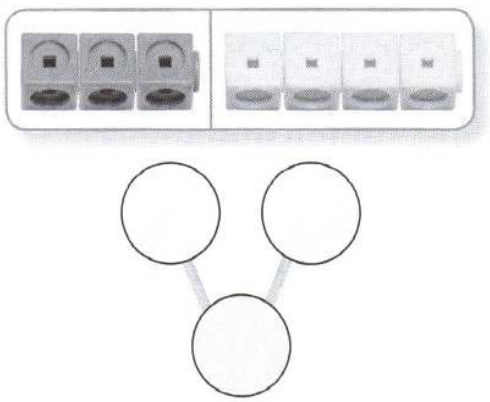


__ and __ make 7.

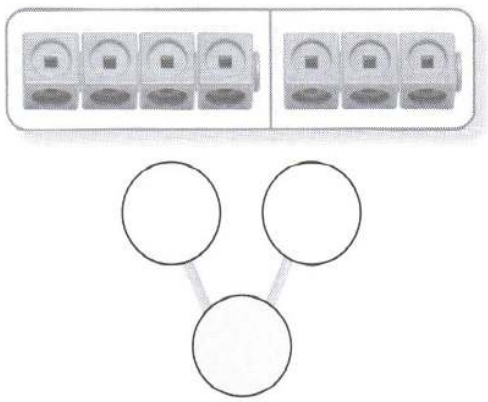


__ and __ make 7.

(b)



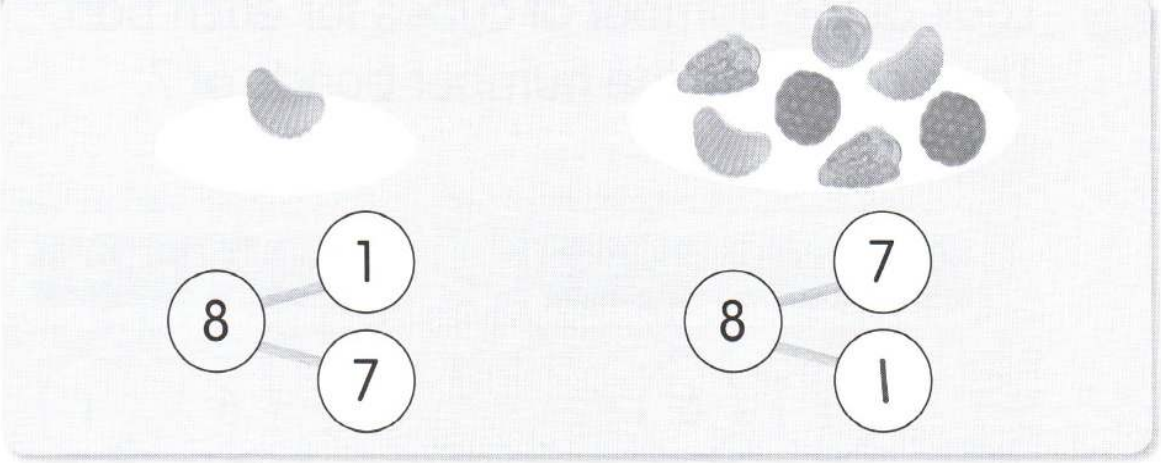
__ and __ make 7.



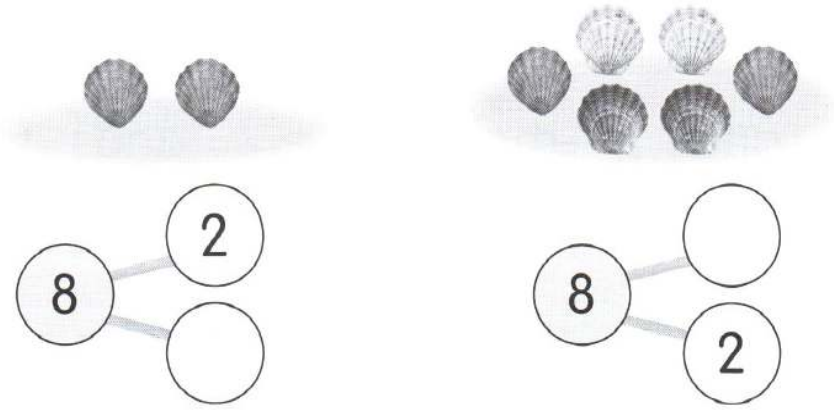
__ and __ make 7.

2 Complete the number bonds of 8.

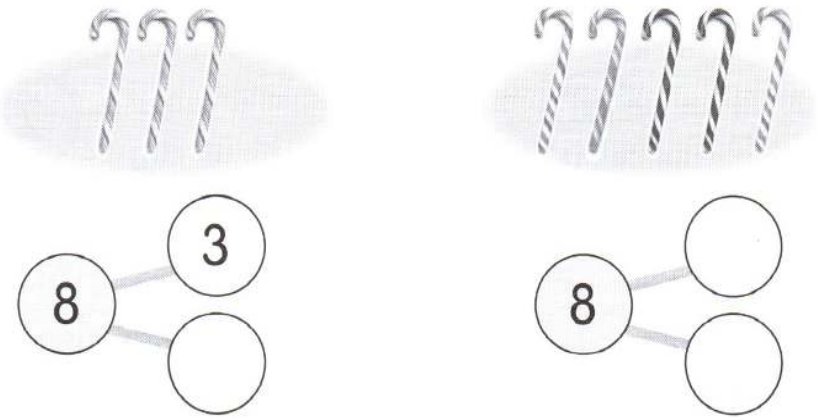
example



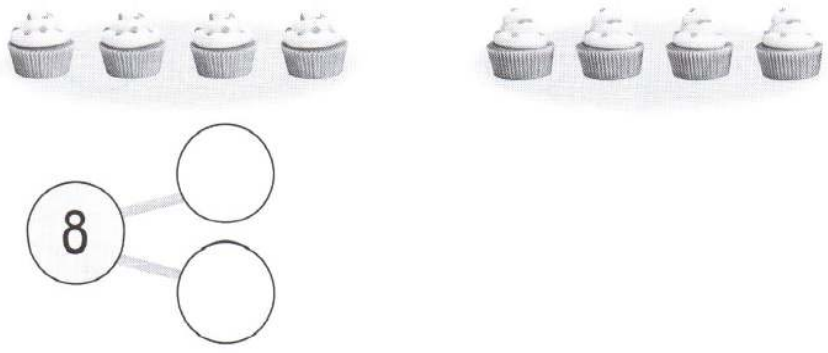
(a)



(b)



(c)

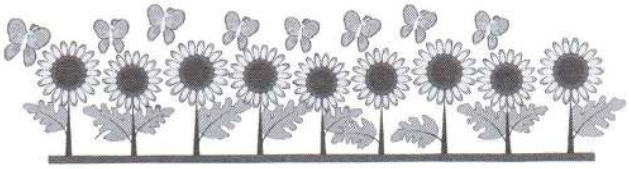


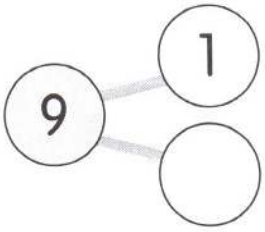
Name: Class: Date:

L2 Worksheet 5

1 Complete the number bonds of 9.

(a)





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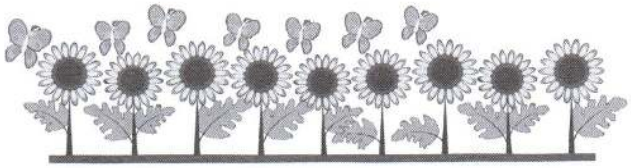
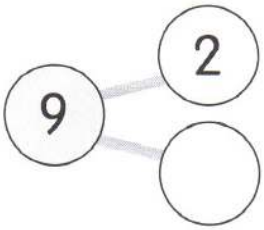
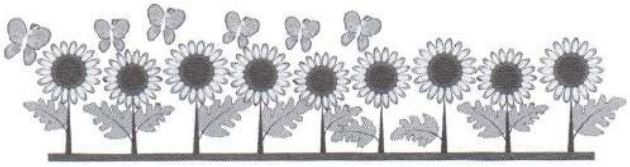
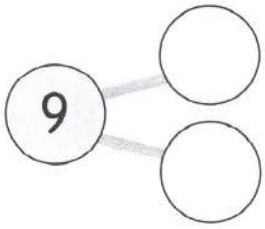


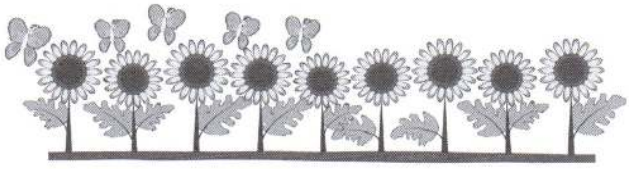


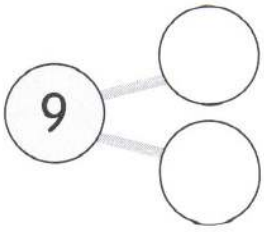
(c)





(d)





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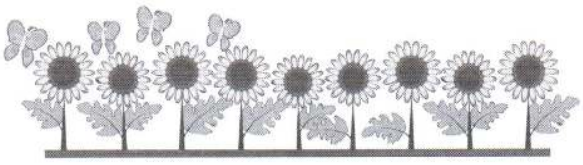

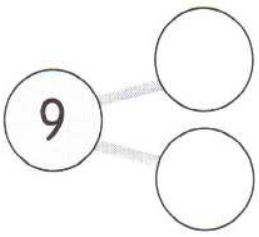

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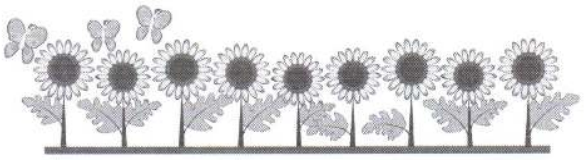

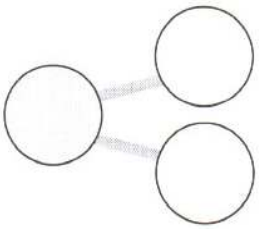

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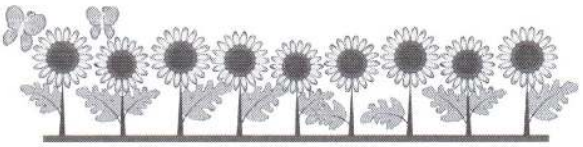

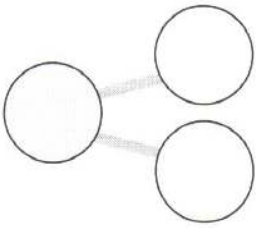

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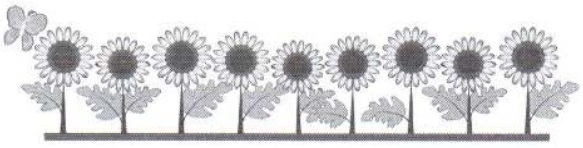
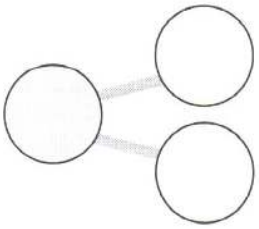
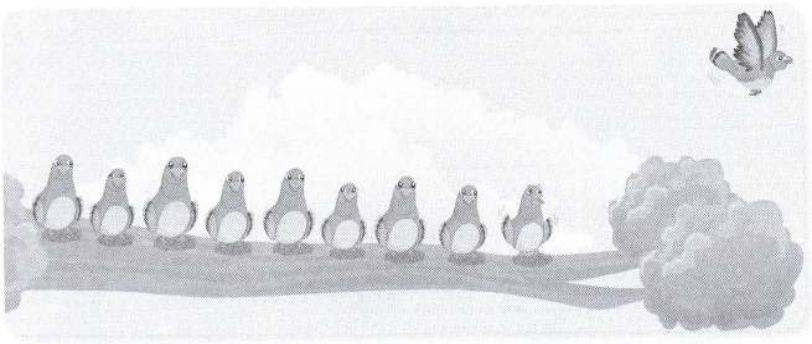
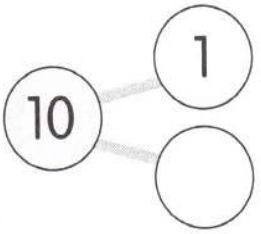




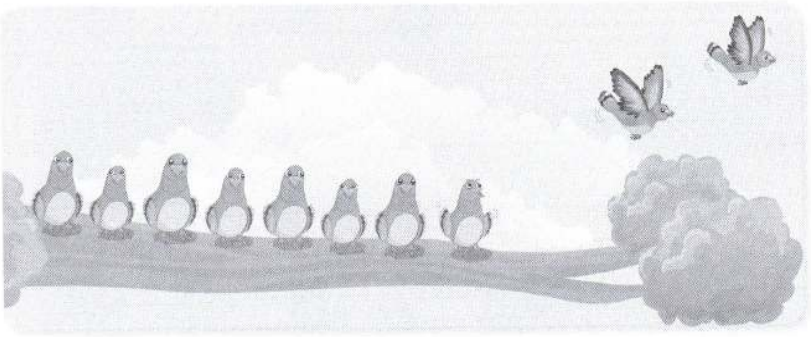
2 Complete the number bonds of 10.

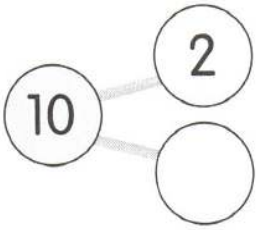
(a)



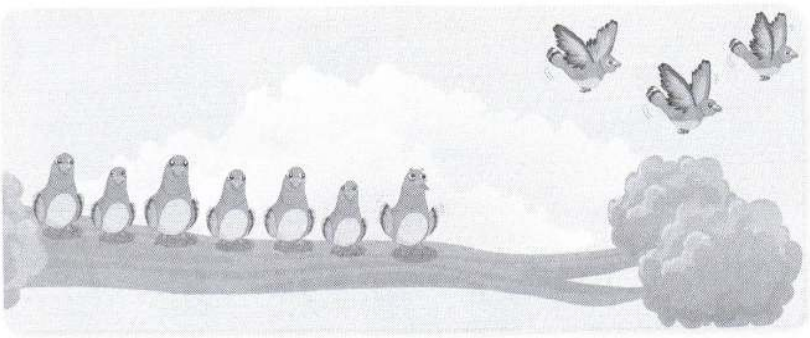


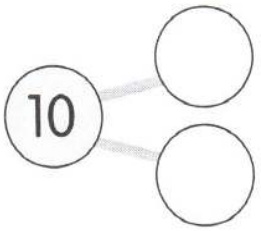
(b)



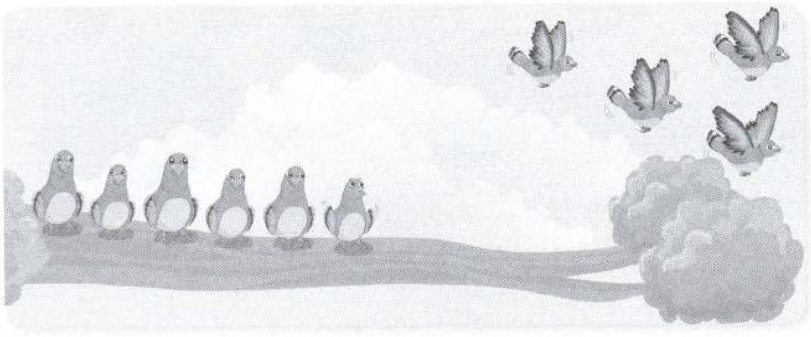


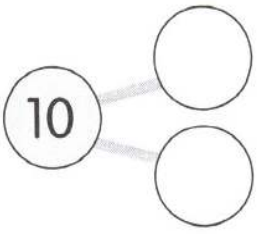
(c)





(d)





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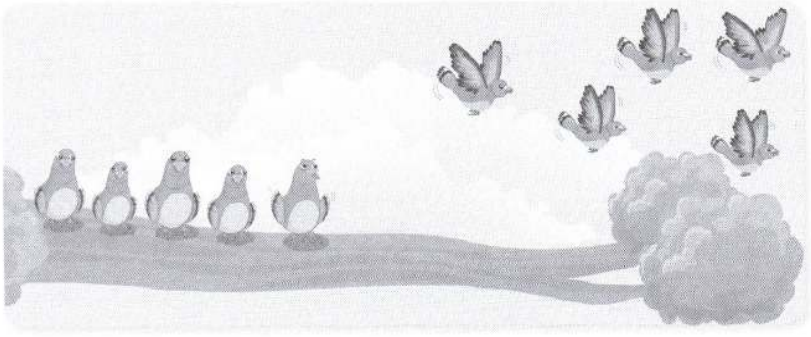
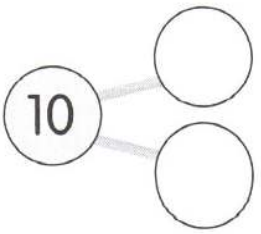
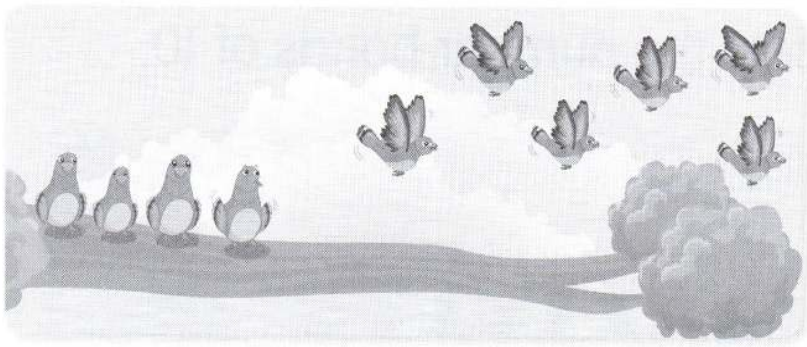
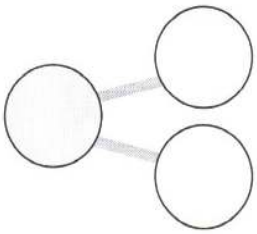


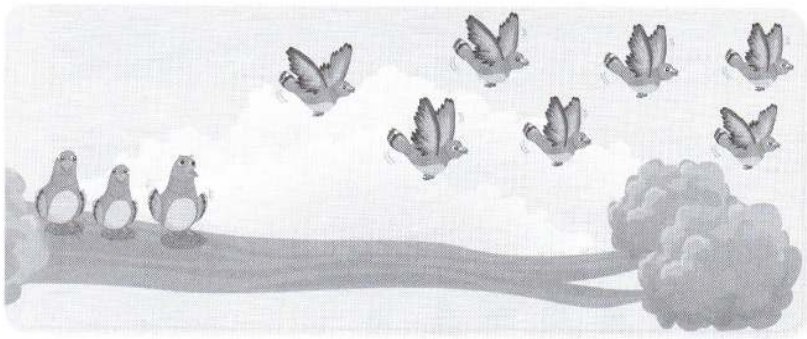


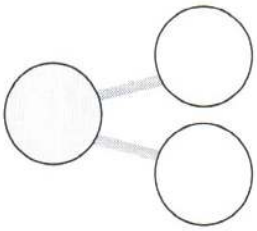
(f)



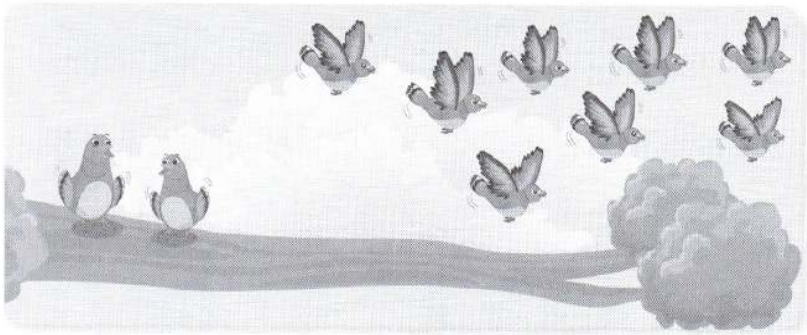


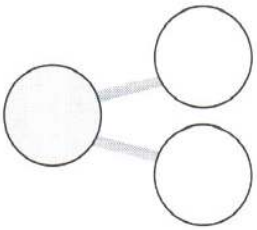
(g)



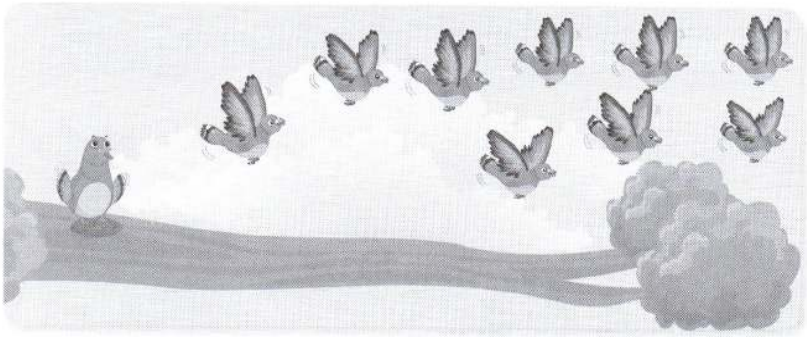


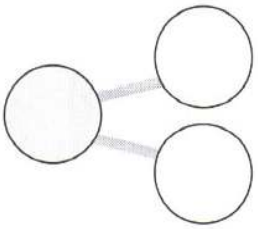
(h)





(i)

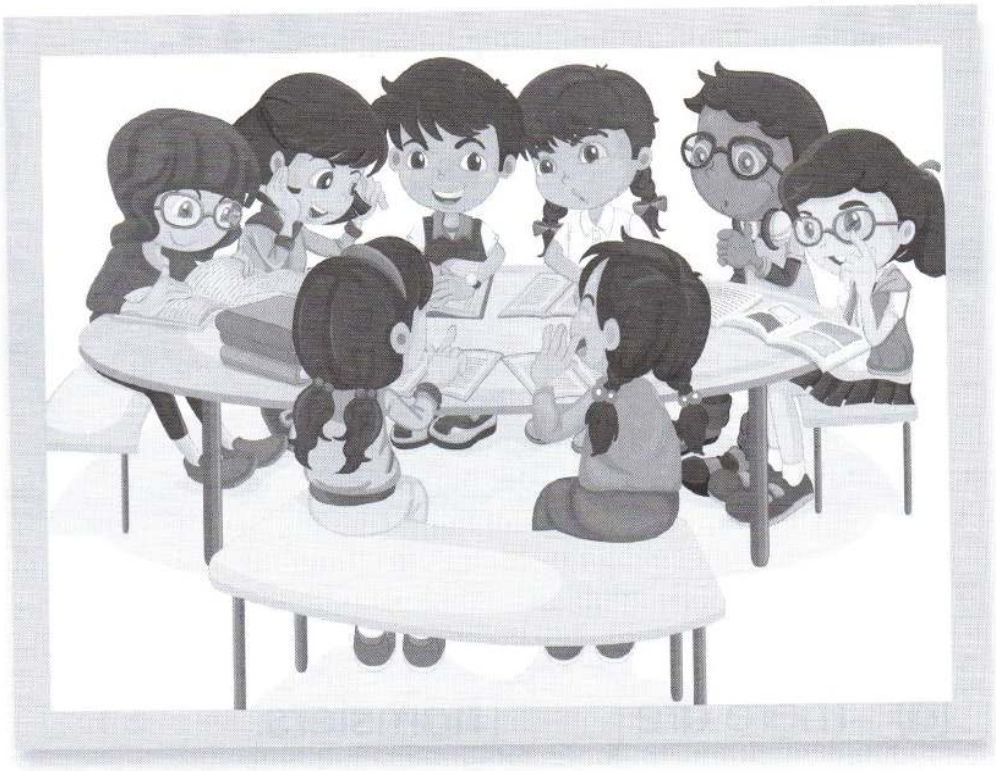




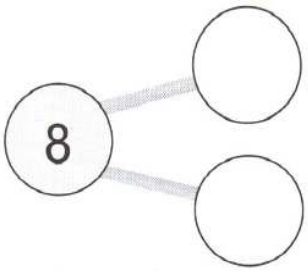
Name: Class: Date:

L2 Worksheet 6

1 Look at the picture.
Complete the number stories and number bonds.



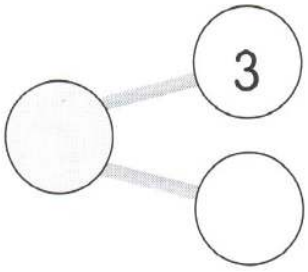
(a) There are 8 children.



☐ are girls.

☐ are boys.

(b) There are ☐ children.



3 children wear glasses.

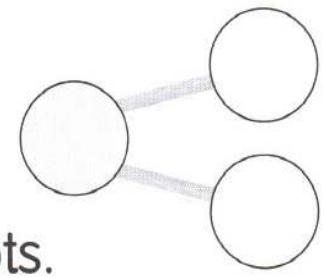
☐ children do not wear glasses.

2 Look at the picture.
Complete the number stories and number bonds.

(a) There are ☐ hamsters.

☐ hamsters have spots.

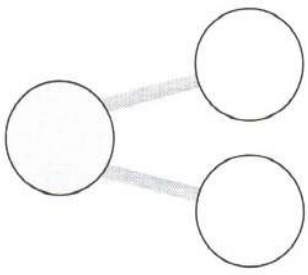
☐ hamsters do not have spots.



(b) There are ☐ hamsters.

☐ are eating.

☐ are sleeping.



Name: Class: Date:

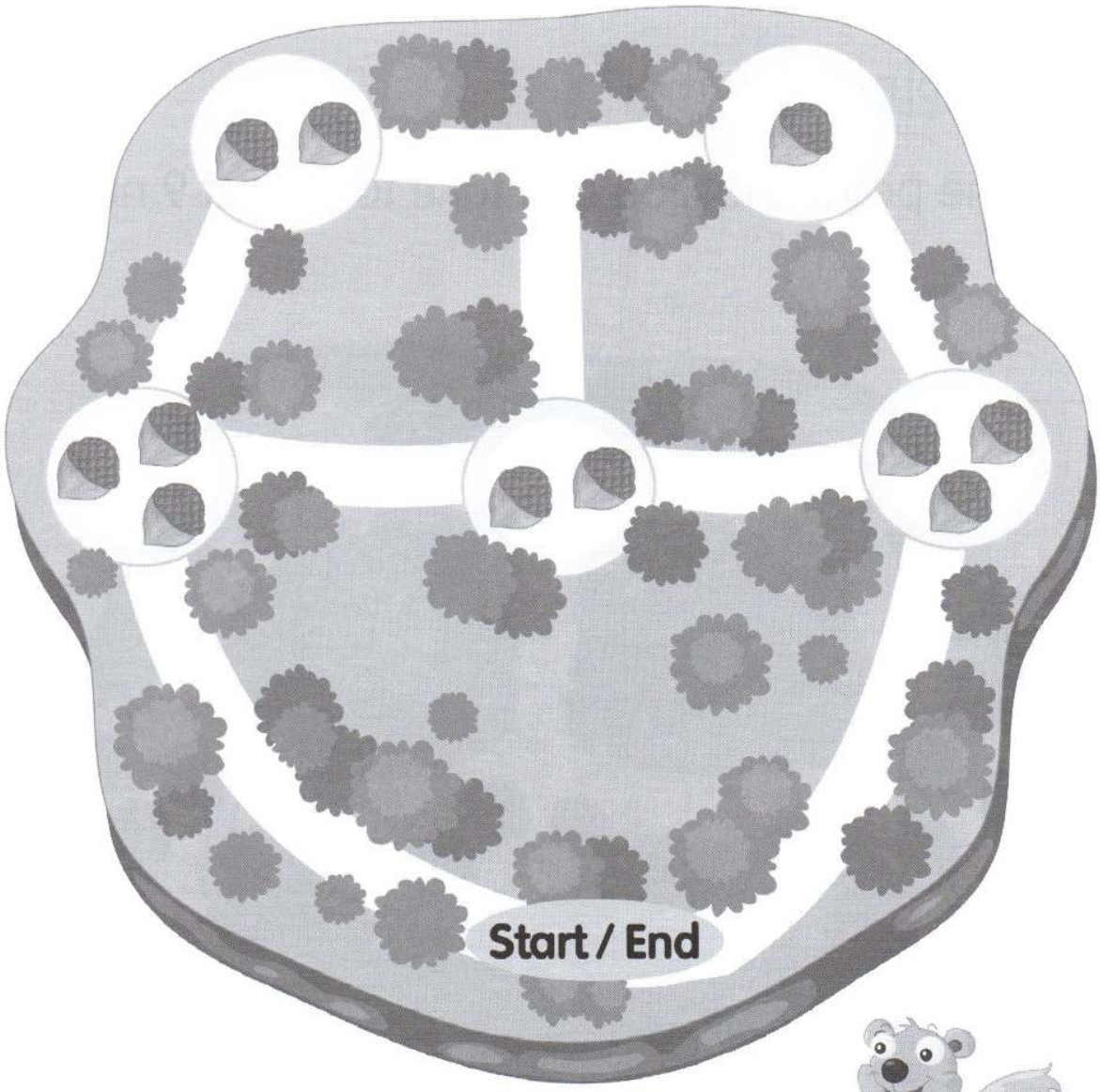
Problem Solving

Colour the paths that Joe can take to collect 9 nuts.

(a)

Squirrel Joe

(b)



Squirrel Joe

Understand

- Look at the picture.
  Does each place have the same number of nuts?
- How many nuts must Joe collect?

Solve

- Colour the paths Joe can take to collect the nuts.

Name: Class: Date:

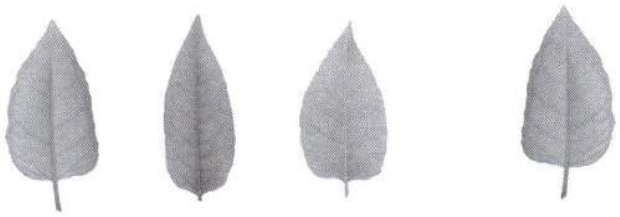
3 Addition Within 10

Meaning of Addition

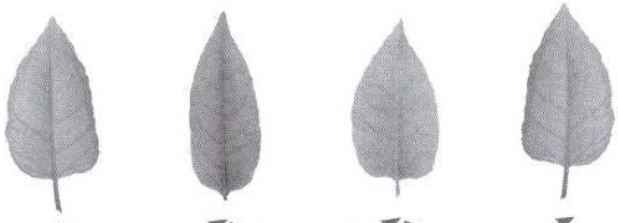
L1 Worksheet 1

1 How many objects are there?
Add by counting all.

(a)



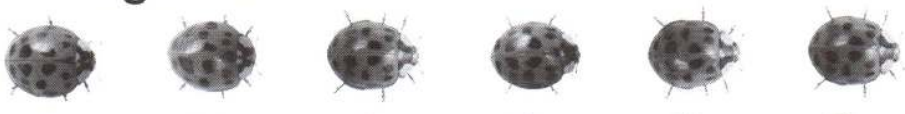
Put together.



1 ☐ ☐ ☐

(b)

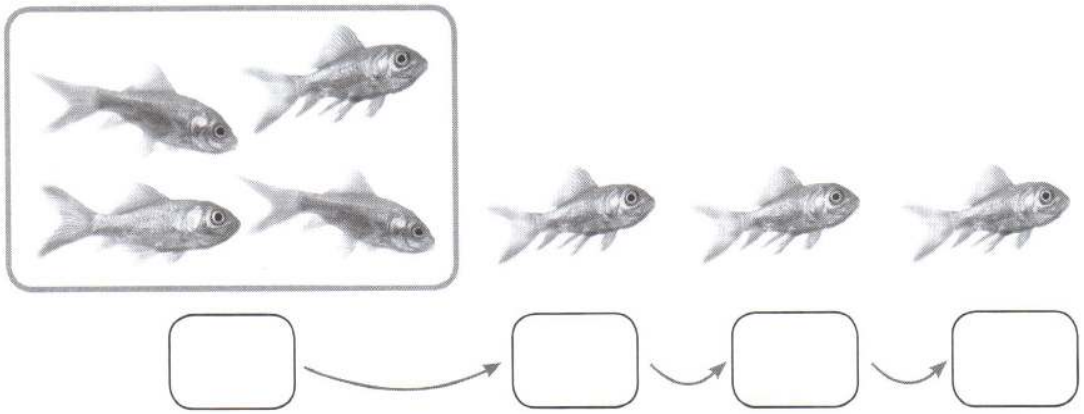
Put together.



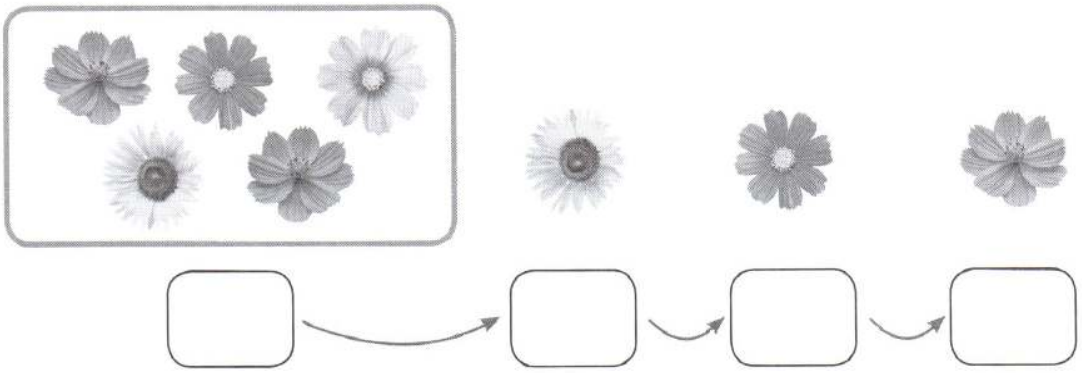
☐ ☐ ☐ ☐ ☐ ☐

2 How many objects are there?
Add by counting on.

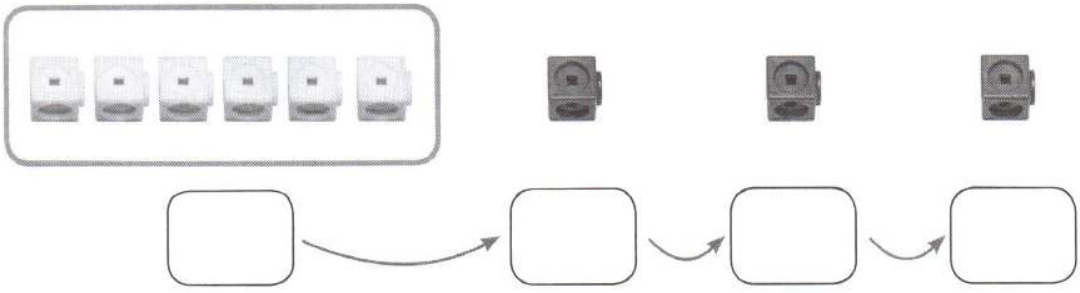
(a)



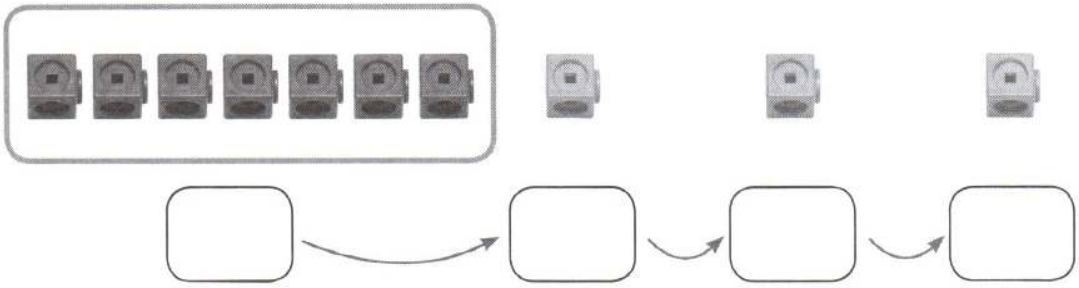
(b)



(c)

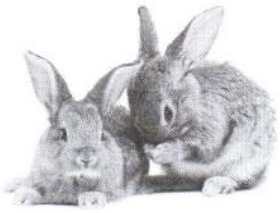


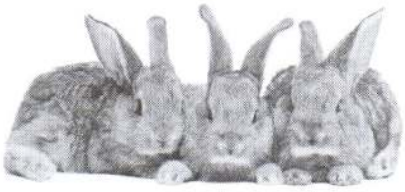
(d)

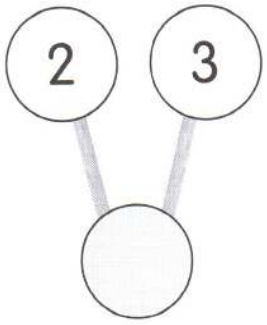


3 How many objects are there?
Complete the number bond to find the total.

(a)

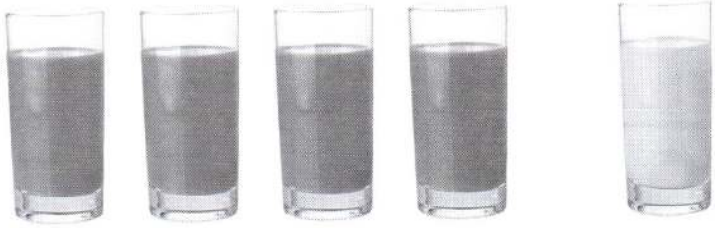


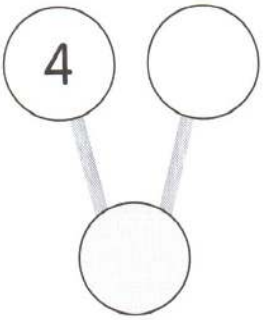




2 and 3 make ☐.

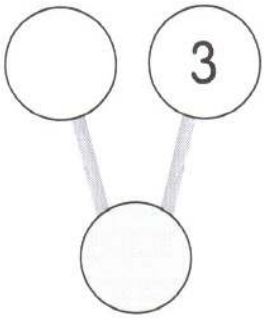
(b)





4 and ☐ make ☐.

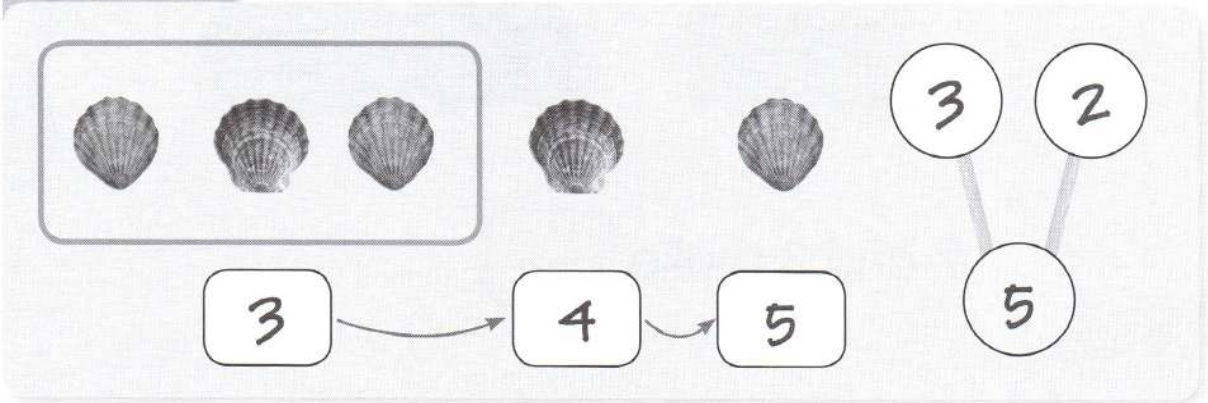
(c)



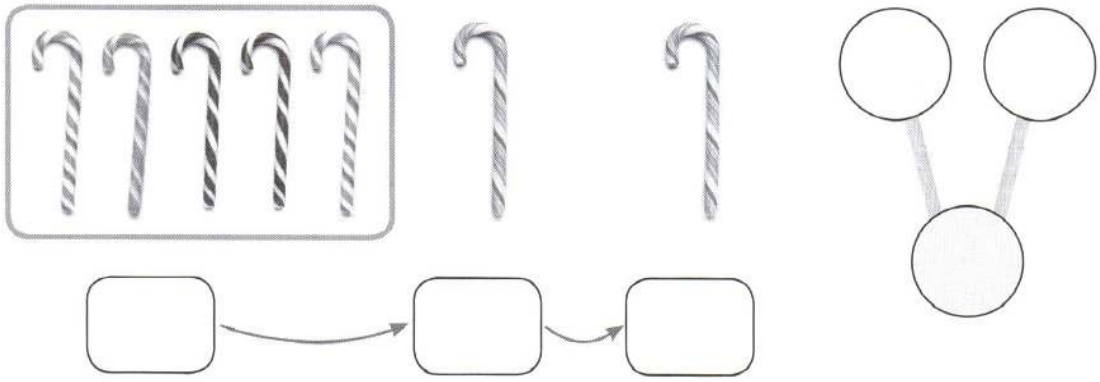
☐ and 3 make ☐.

4 How many objects are there?
Add by counting on.
Add with number bonds.

example



(a)



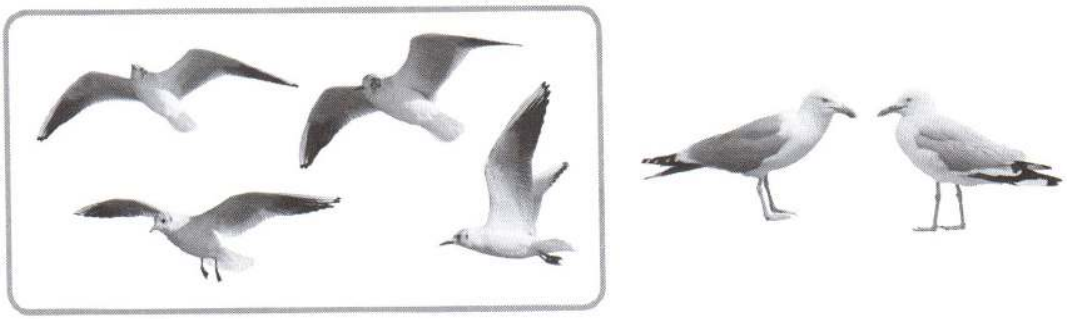
(b)

Name: Class: Date:

L1 Worksheet 2

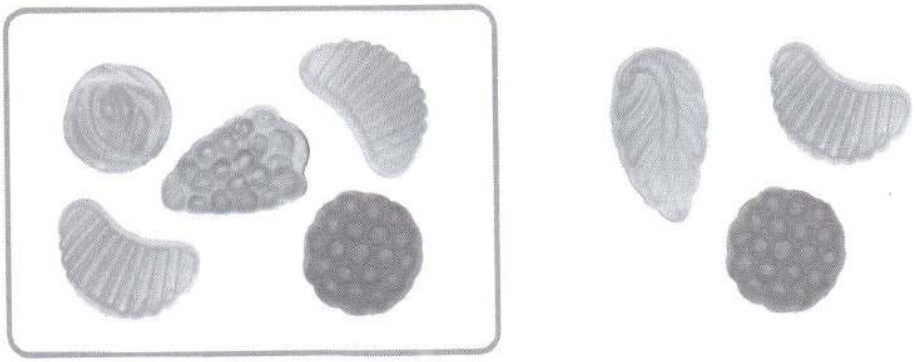
1 Count on. Complete the addition equation.

(a)



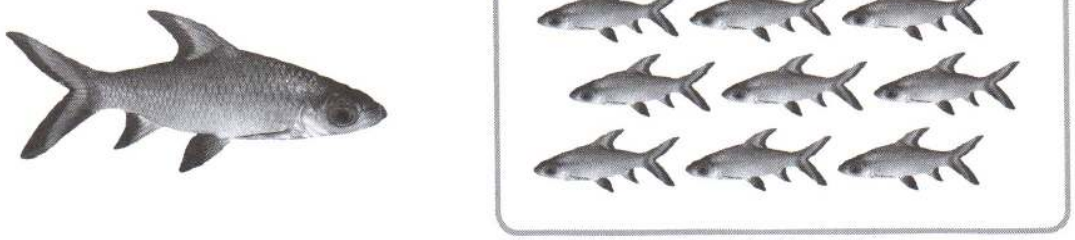
$\square + 2 = \square$

(b)



$5 + \square = \square$

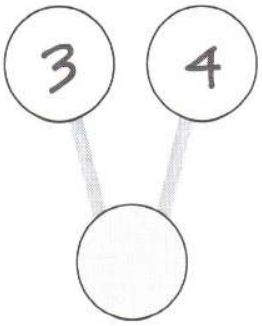
(c)



$\square + \square = \square$

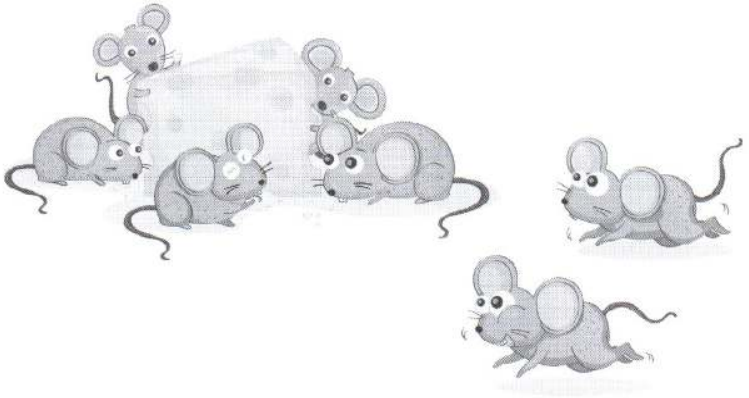
2 Add using number bonds. Write the addition equation.

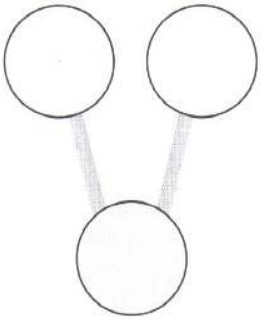
(a)



3 + 4 = ☐

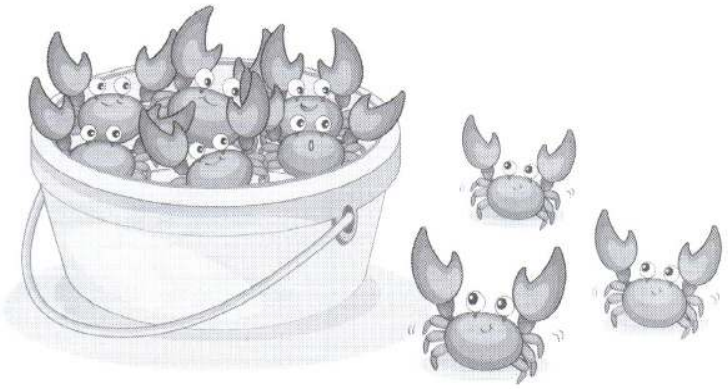
(b)

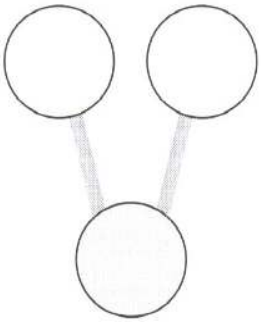




☐ + ☐ = ☐

(c)

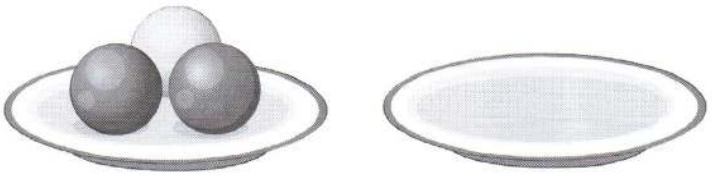




☐ + ☐ = ☐

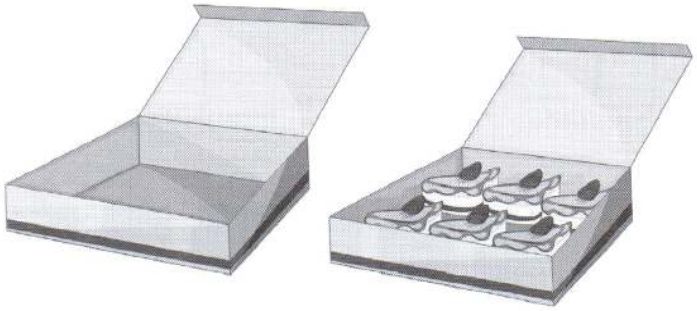
3 Add the following.

(a)



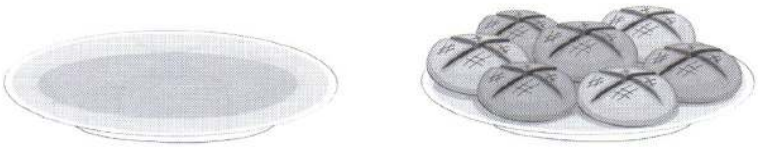
☐ + 0 = ☐

(b)



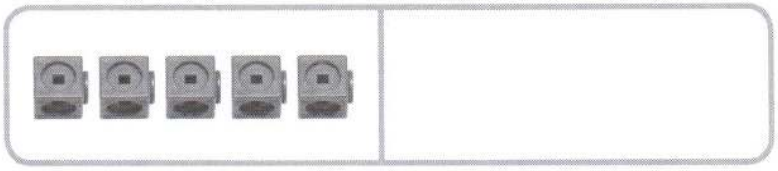
☐ + ☐ = ☐

(c)



☐ + ☐ = ☐

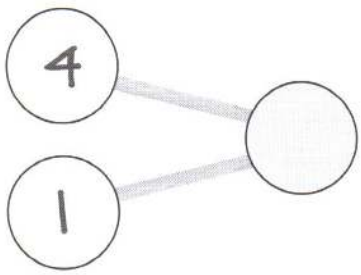
(d)



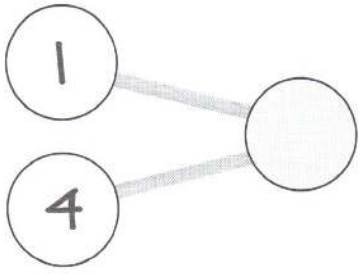
☐ + ☐ = ☐

4 Add the cubes.
Write the number bonds and addition equations.

(a)

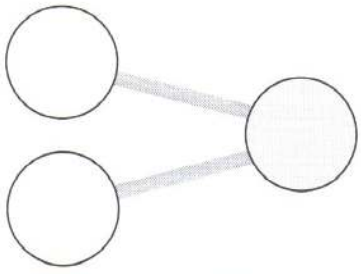


4 + 1 = ☐

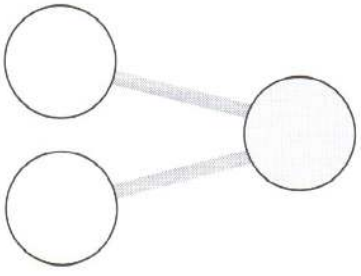


☐ + ☐ = ☐

(b)

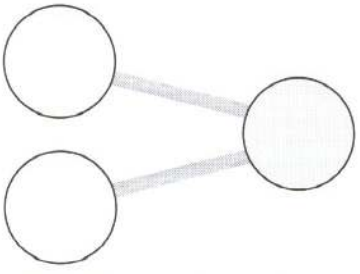


☐ + ☐ = ☐

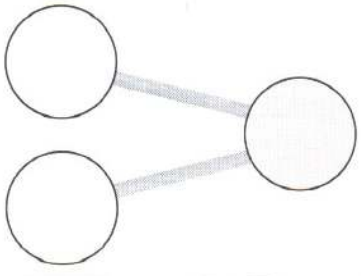


☐ + ☐ = ☐

(c)



☐ + ☐ = ☐



☐ + ☐ = ☐

Name: Class: Date:

L2 Worksheet 3

1 Colour dots to show the addition equation.

example

3 + 2 = 5

(a) 2 + 7 = 9 ○○○○○○○○○

(b) 6 + 1 = 7 ○○○○○○○○○

(c) 3 + 5 = 8 ○○○○○○○○○

(d) 8 + 2 = 10 ○○○○○○○○○

(e) 5 + 5 = 10 ○○○○○○○○○

(f) 3 + 4 = 7 ○○○○○○○○○

2 Complete each addition equation.

(a) 1 + 5 = ☐

5 + 1 = ☐

(b) 1 + ☐ = 8

☐ + 1 = 8

(c) 6 + ☐ = 10

☐ + 6 = 10

(d) ☐ + 3 = 10

3 + ☐ = 10

3 Use the numbers to write an addition equation.

example

8 5 3 → 5 + 3 = 8

(a) 4 6 2 → ☐ + ☐ = ☐

(b) 1 9 8 → ☐ + ☐ = ☐

(c) 8 4 4 → ☐ + ☐ = ☐

(d) 7 9 2 → ☐ + ☐ = ☐

(e) 10 8 2 → ☐ ☐ ☐ ☐ ☐

(f) 8 8 0 → ☐ ☐ ☐ ☐ ☐

4 Complete each addition equation.

(a) 3 + 6 = ☐

(b) 2 + 5 = ☐

(c) 2 + ☐ = 8

(d) 1 + ☐ = 1

(e) ☐ + 6 = 7

(f) ☐ + 3 = 5

(g) ☐ + 10 = 10

(h) ☐ + 4 = 9

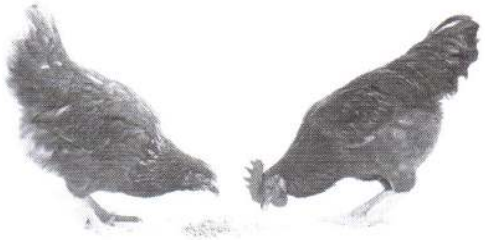
Name: Class: Date:

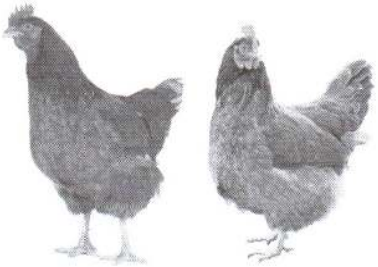
Addition Stories

L1 Worksheet 4

Complete the addition stories.

1





2 chickens are eating.
2 chickens join them.

2 + ☐ = ☐

There are ☐ chickens altogether.

2

There are 2 big teddy bears.
There are 5 small teddy bears.

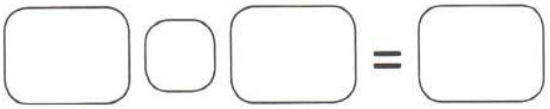
☐ + 5 = ☐

There are ☐ teddy bears altogether.

3

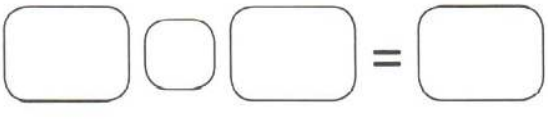
durians

mangoes



There are fruits altogether.

4



There are kittens altogether.

Name: Class: Date:

L2 Worksheet 5

1 Look at the picture.
Fill in the boxes.

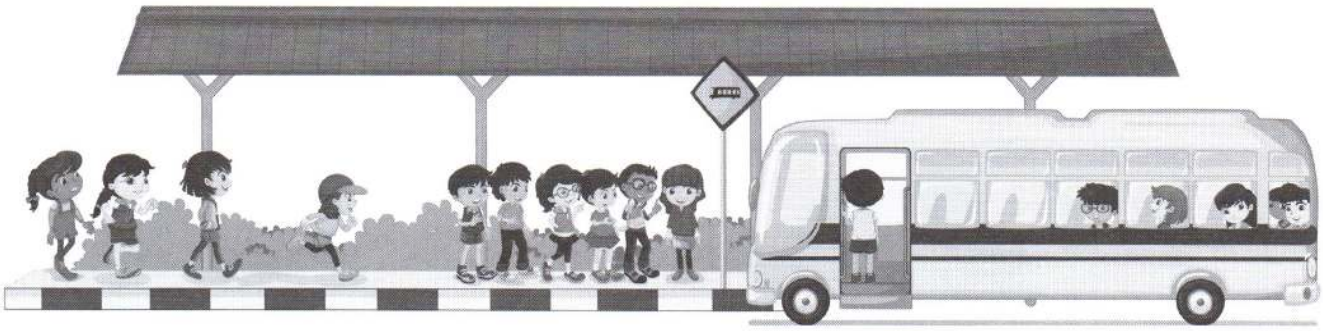
There are ☐ girls.

There are ☐ boys.

☐ + ☐ = ☐

There are ☐ children altogether.

2 Look at the picture.
Complete the addition story.



There are ☐ children waiting for their bus.

☐ children join them.

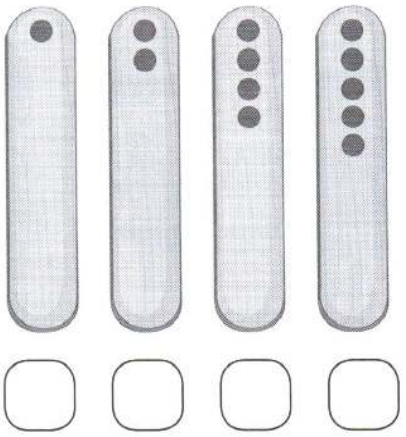
☐ ○ ☐ = ☐

There are ☐ children at the bus stop altogether.

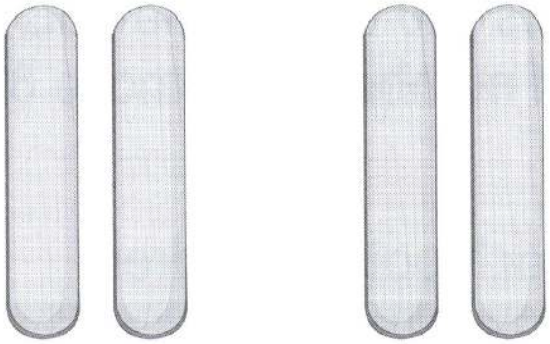
Name: Class: Date:

Problem Solving

1 **(a)** Look at the dot sticks.
Put a tick (✓) in the correct boxes.
Which of them have dots that make 9?



(b) Can you find 2 ways to make 9?
Draw dots on the sticks.



Understand

- Can you tell the number of dots on the dot sticks?
- What does it mean to make 9?

Solve

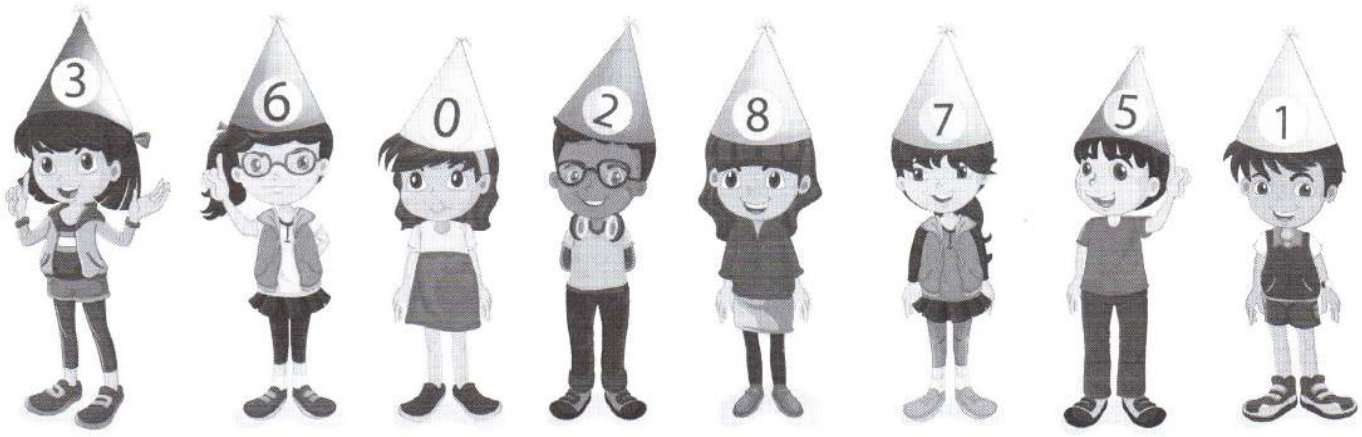
(a) ☐ + ☐ = 9

(b) There are other ways to make 9.

☐ + ☐ = 9 ☐ + ☐ = 9

2 Look at the numbers on the hats.

Write down the names of each pair of children whose numbers make 8.



Understand

- What are the numbers you see on the hats?
- What are the pairs of numbers that make 8?

Solve

Names of each pair of children

Name: Class: Date:

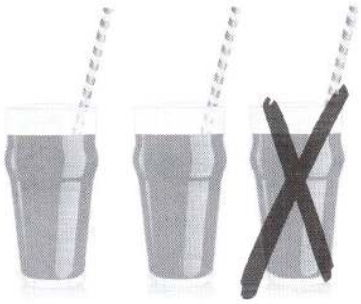
4 Subtraction Within 10

Meaning of Subtraction

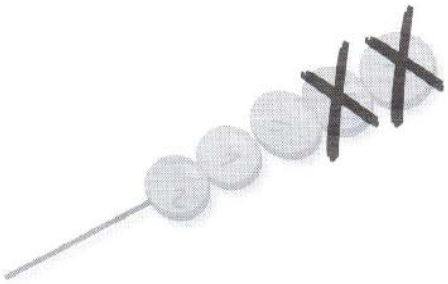
L1 Worksheet 1

1 Look at each picture and fill in the box.
How many are there left?

(a)



(b)



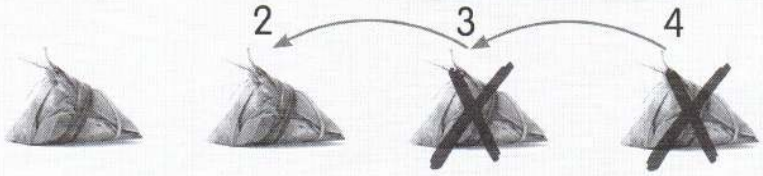
(c)

(d)

2 How many are there left?
Subtract and fill in the box.

example

Janice takes away 2 .



2

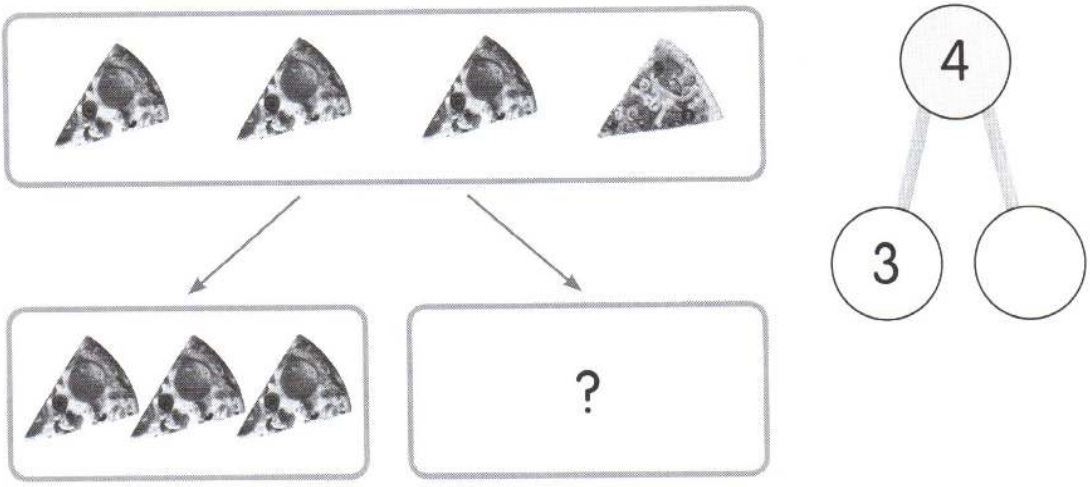
(a) Siti takes away 3 .

(b) Peter eats 4 .

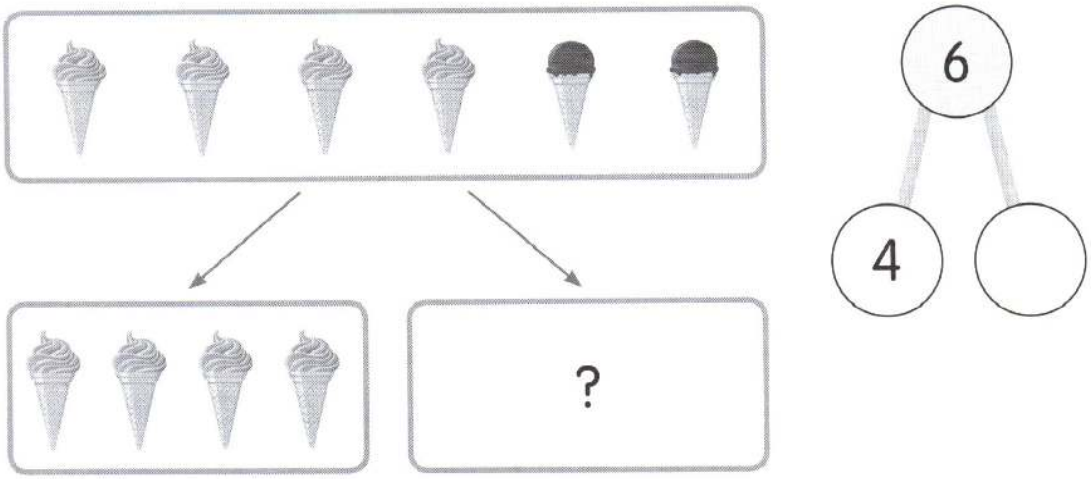
(c) Mrs Li sells 5 .

3 Subtract to find the part.
Write the missing number.

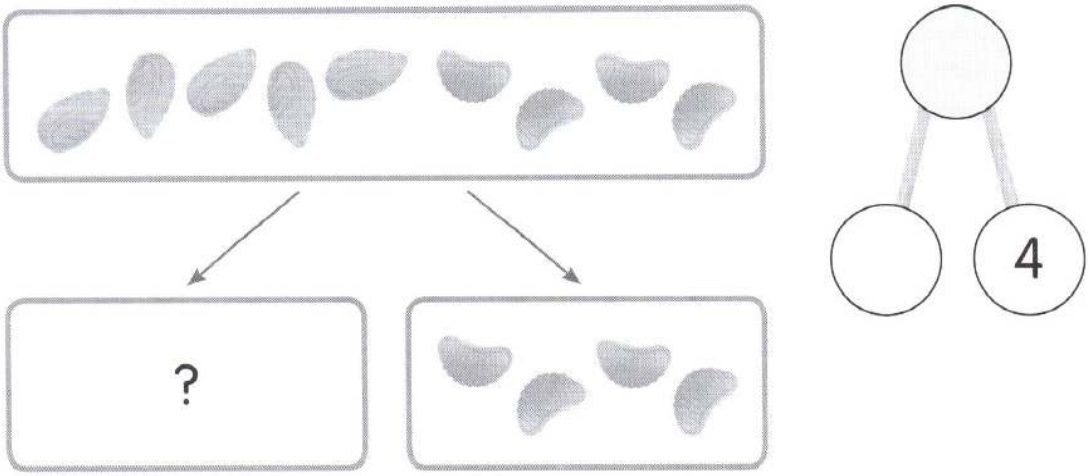
(a)



(b)

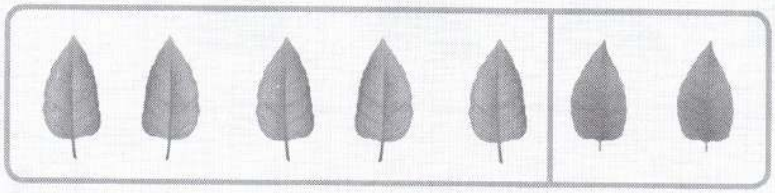


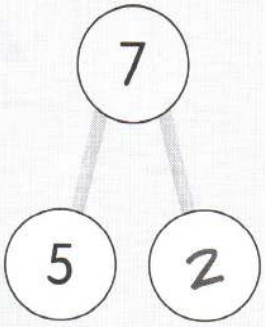
(c)



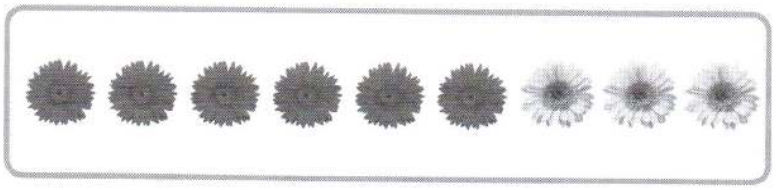
4 Draw a line to show 2 parts.
Complete the number bonds.

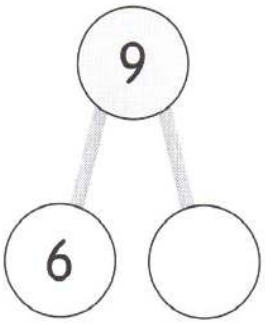
example



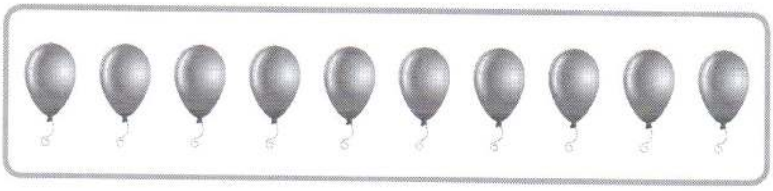


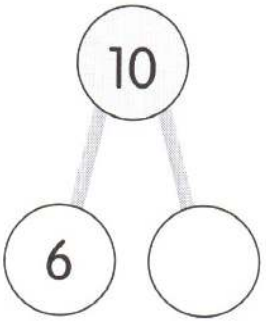
(a)



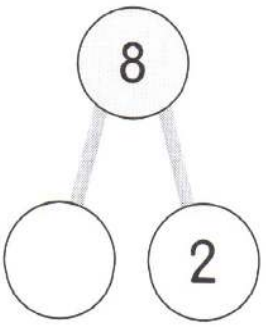


(b)





(c)



Name: Class: Date:

L1 Worksheet 2

1 Complete each subtraction equation.

example

$7 - \boxed{3} = \boxed{4}$

(a) How many teddy bears are left?

$4 - 1 = \square$

(b) How many slices of watermelon are left?

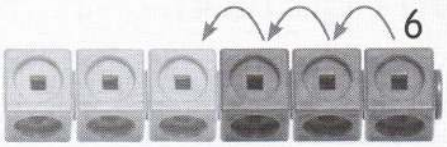
$5 - 3 = \square$

(c) How many apples are left?

$8 - \square = \square$

2 Count back. Complete each subtraction equation.

example



$6 - 3 = \boxed{3}$

(a)

$7 - 2 = \square$

(b)

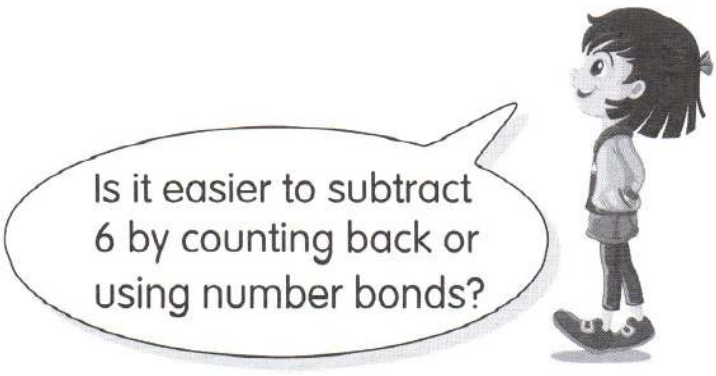
$10 - 3 = \square$

(c)

$8 - 0 = \square$

(d)

$9 - 6 = \square$

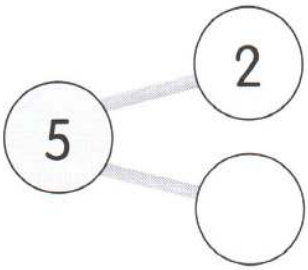


Name: Class: Date:

L1 Worksheet 3

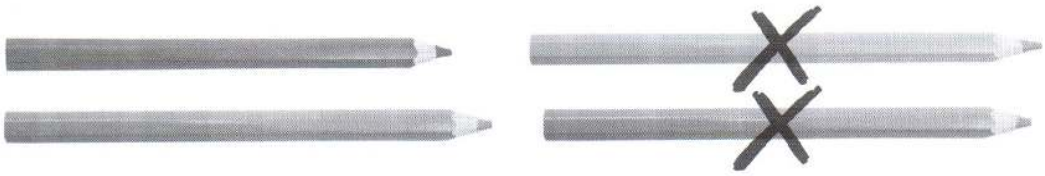
1 Complete the number bonds and subtraction equations.

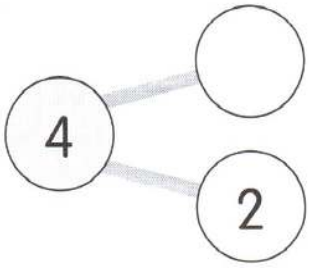
(a)



$5 - 2 = \square$

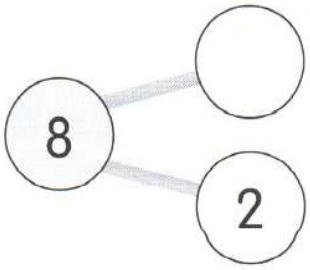
(b)





$4 - 2 = \square$

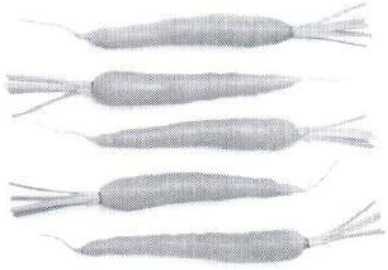
(c)

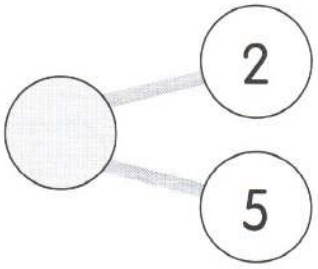


$8 - \square = 2$

2 Complete the number bonds and subtraction equations.

(a)

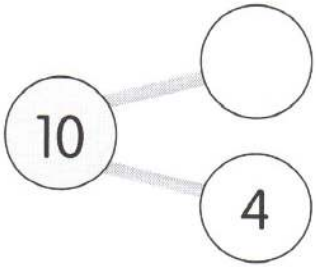




$\square - 2 = \square$

$\square - 5 = \square$

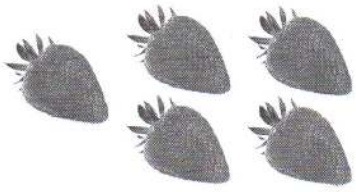
(b)

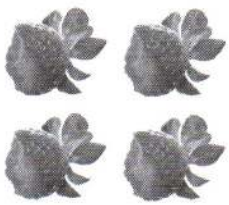


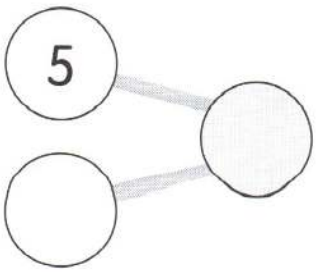
$\square - 6 = \square$

$\square - 4 = \square$

(c)







$\square - 5 = 4$

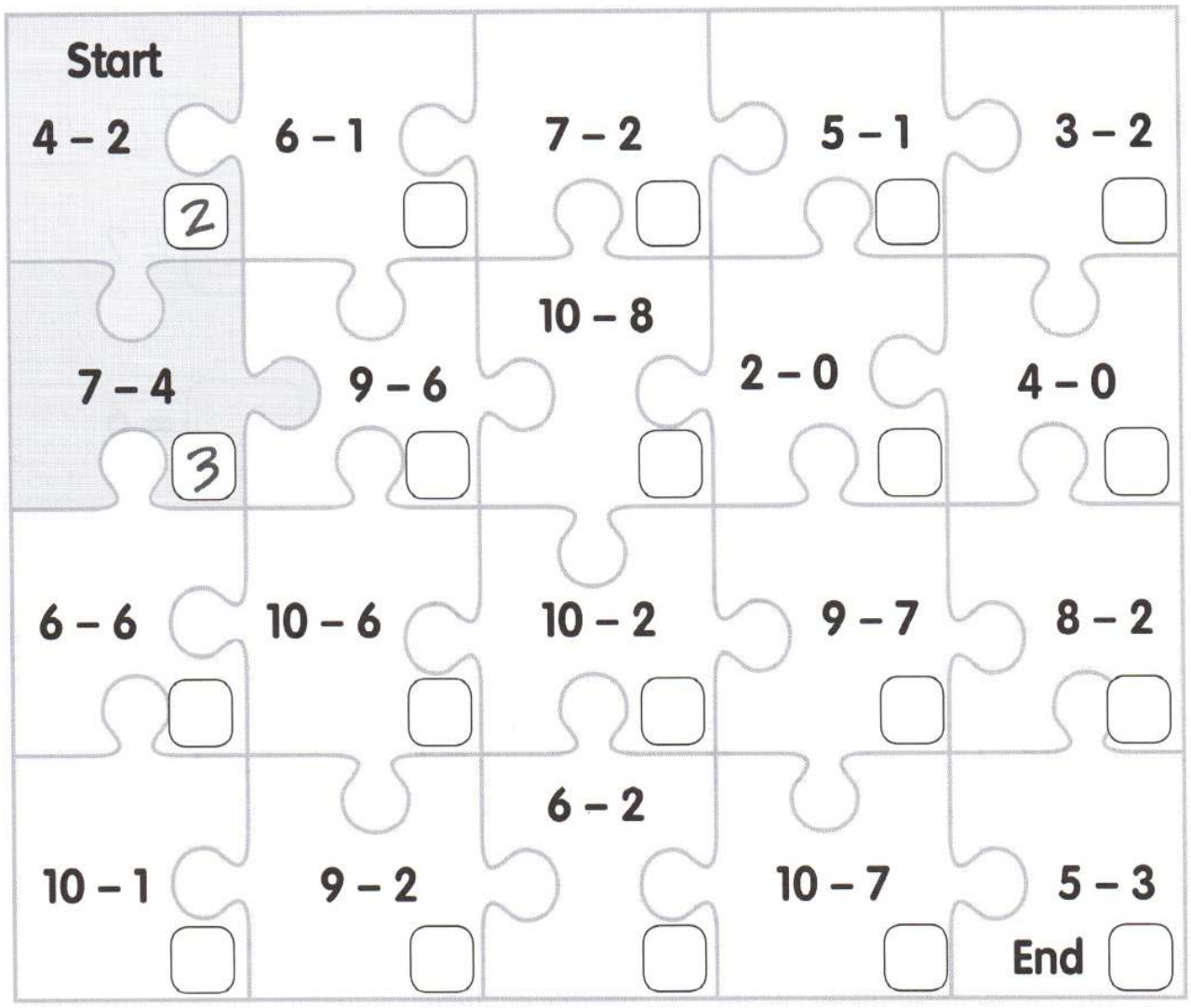
$\square - \square = 5$

Name: Class: Date:

L2 Worksheet 4

1. Subtract. Write your answer on each puzzle piece. Colour the puzzle piece if the answer is 2 or 3 to show Ravi's path to school.

Ravi's house



School

2 Complete the subtraction equations.

(a) $4 - 3 = \square$

(b) $3 - 0 = \square$

(c) $5 - 5 = \square$

(d) $8 - 1 = \square$

(e) $\square - 5 = 5$

(f) $10 - 9 = \square$

3 Fill in the boxes.

(a) $5 - \square = 4$

(b) $6 - \square = 2$

(c) $8 - \square = 5$

(d) $6 - \square = 6$

(e) $9 - \square = 6$

(f) $7 - \square = 5$

(g) $\square - 6 = 2$

(h) $\square - 7 = 0$

(i) $\square - 5 = 1$

(j) $\square - 3 = 7$

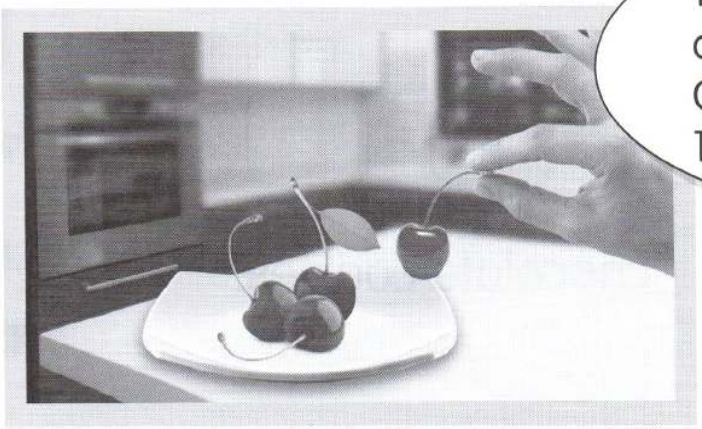
Name: Class: Date:

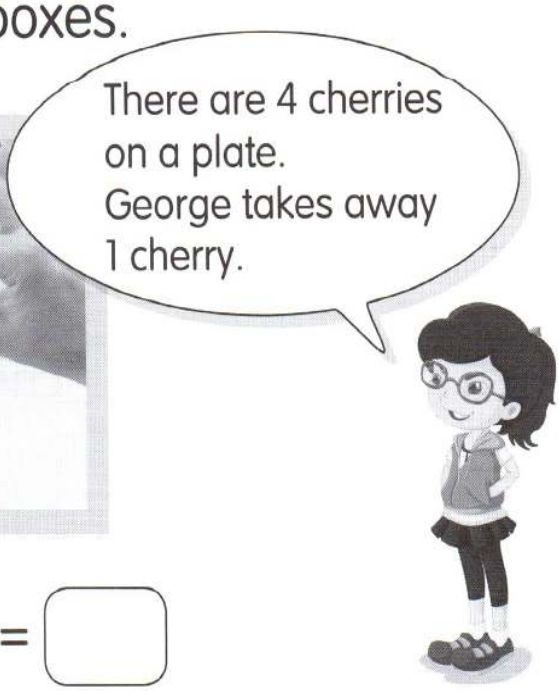
Worksheet 5

Subtraction Stories

Look at each picture. Fill in the boxes.

1

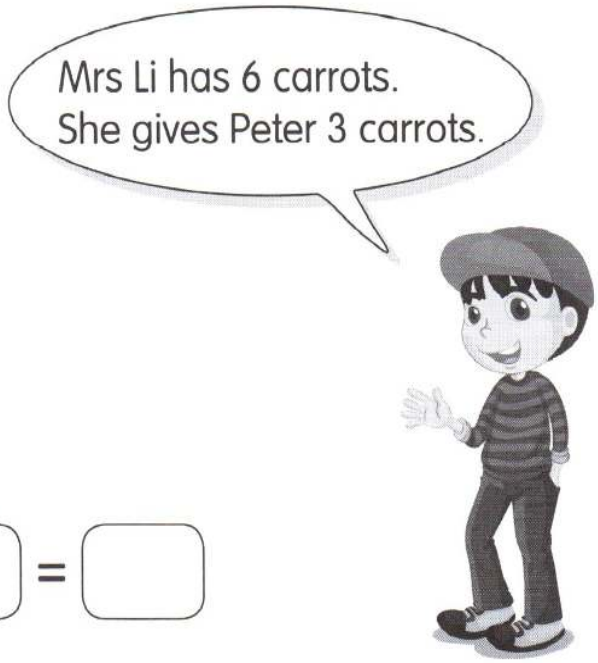




4 − ☐ = ☐

There are ☐ cherries left on the plate.

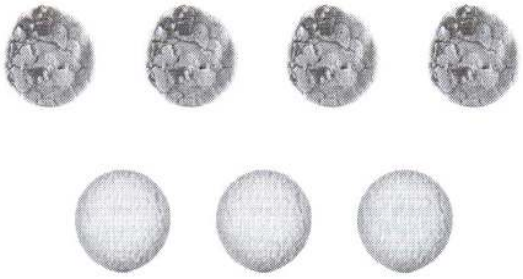
2



☐ − 3 = ☐

Mrs Li has ☐ carrots left.

3

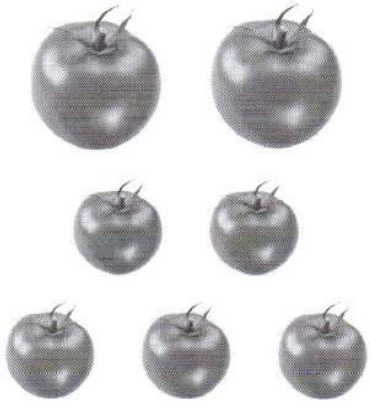


There are 7 cookies.
3 of them are butter cookies and the rest are chocolate cookies.

☐ ○ ☐ = ☐

There are ☐ chocolate cookies.

4



There are 7 tomatoes.
2 of them are big.

☐ ○ ☐ = ☐

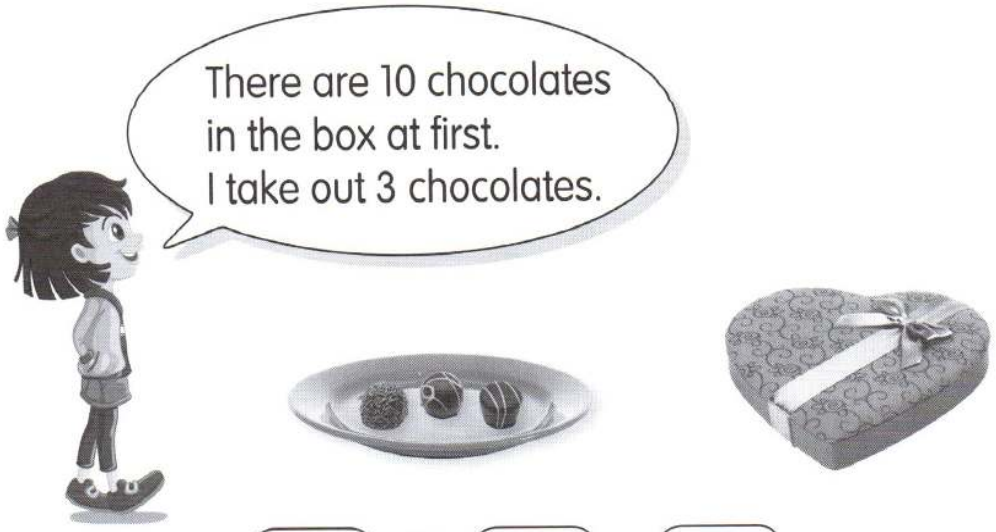
There are ☐ small tomatoes.

Name: Class: Date:

L2 Worksheet 6

Look at each picture. Fill in the boxes.

1



10 ☐ ☐ = ☐

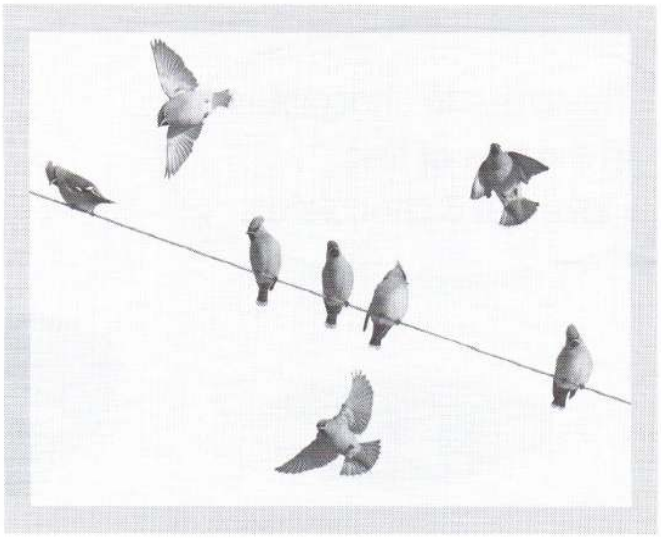
There are ☐ chocolates left in the box.

2

☐ ☐ 2 = ☐

There are ☐ mangoes left in the paper bag.

3 Look at the picture.
Complete the subtraction story.



There are ☐ birds altogether.

☐ birds fly away.

☐ ○ ☐ = ☐

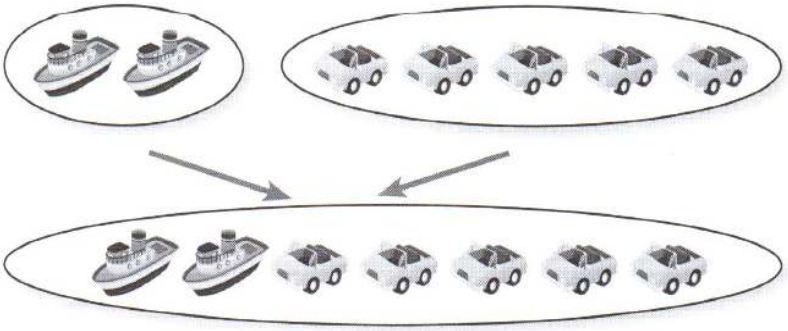
There are ☐ birds left resting on the wire.

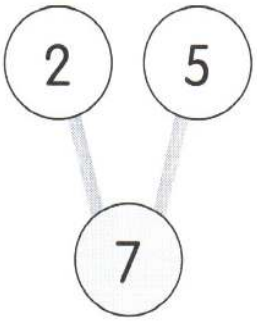
Name: Class: Date:

Addition and Subtraction

L1 Worksheet 7

1 Look at the toys. Fill in the boxes.





(a) There are ☐ toys altogether.

☐ + ☐ = ☐ ☐ + ☐ = ☐

(b) ☐ toys are boats.

☐ − ☐ = ☐

(c) ☐ toys are cars.

☐ − ☐ = ☐

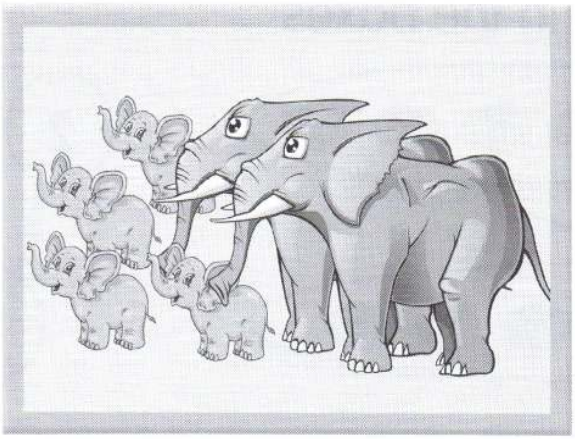
(d) We can write a family of 4 addition and subtraction facts.

☐ + ☐ = ☐ ☐ + ☐ = ☐

☐ − ☐ = ☐ ☐ − ☐ = ☐

2 Look at each picture.
Write a family of 4 addition and subtraction facts.

(a)



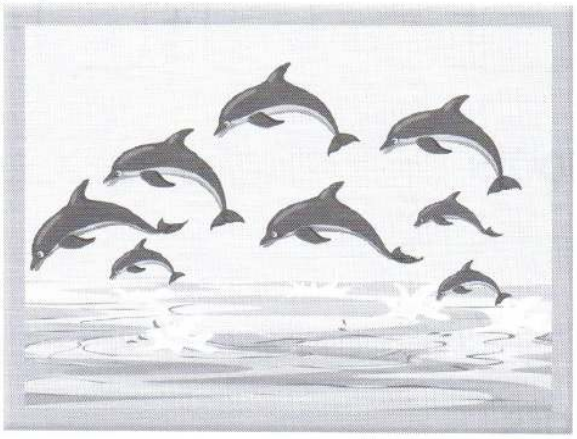
$\square + \square = \square$

$\square + \square = \square$

$\square - \square = \square$

$\square - \square = \square$

(b)



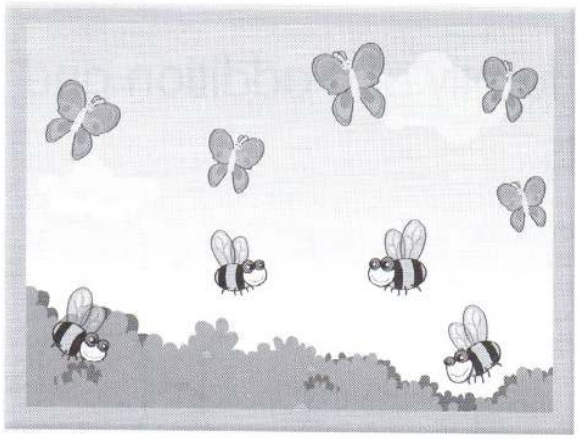
$\square + \square = \square$

$\square + \square = \square$

$\square - \square = \square$

$\square - \square = \square$

(c)



$\square + \square = \square$

$\square + \square = \square$

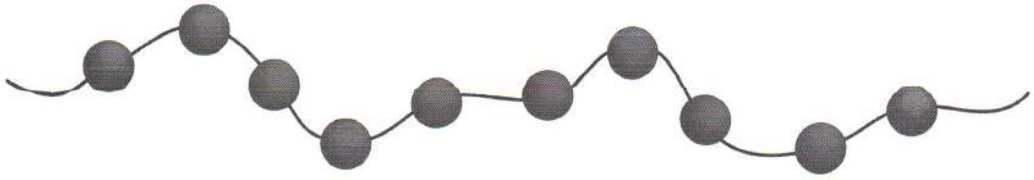
$\square - \square = \square$

$\square - \square = \square$

Name: Class: Date:

Problem Solving

(a) Mary has a string with 10 beads.



She cuts away 4 beads.
How many beads does she have left?

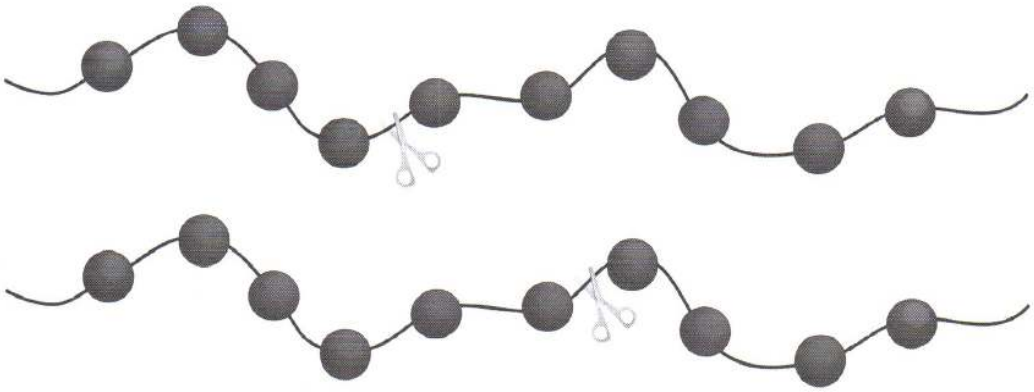
(b) Janice also has a string with 10 beads.
She cuts away 5 beads.
How many beads does she have left?

Understand

- How many beads does Mary or Janice have at first?
- How many beads does each girl cut away?

Solve

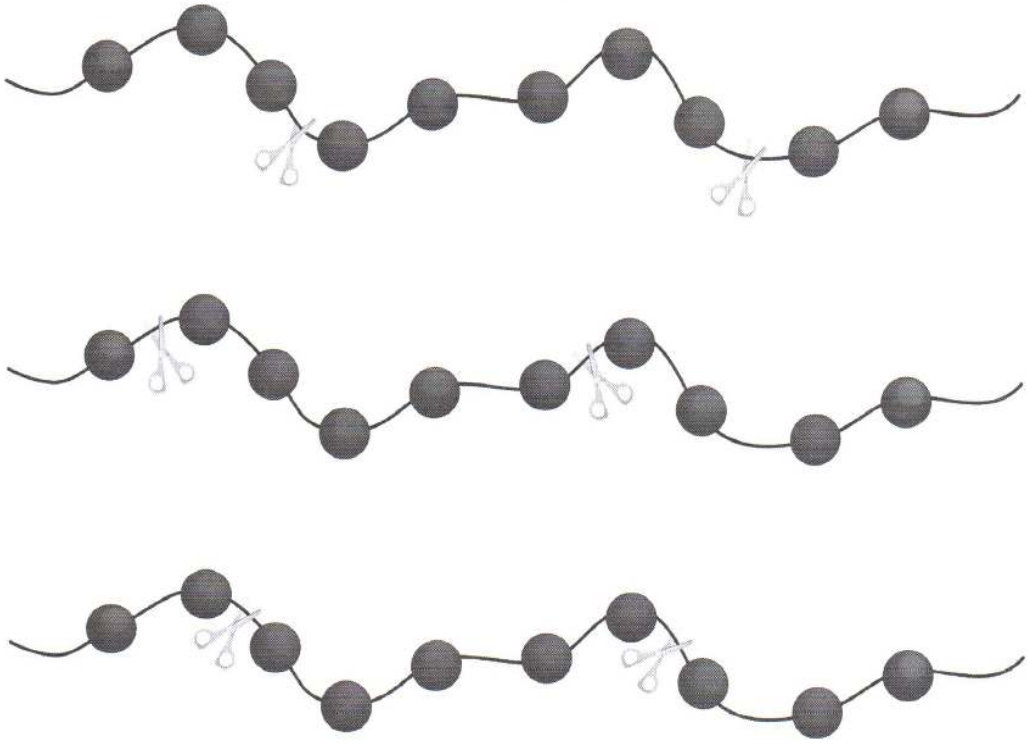
(a) Cross out ☐ beads to show they are cut away.



☐ ○ ☐ = ☐

Mary has ☐ beads left.

(b) Cross out ☐ beads to show they are cut away.



☐ ○ ☐ = ☐

Janice has ☐ beads left.

Name: Class: Date:

5 Number Positions To 10th

Naming Positions

L1 Worksheet 1

1 Circle the correct answer.

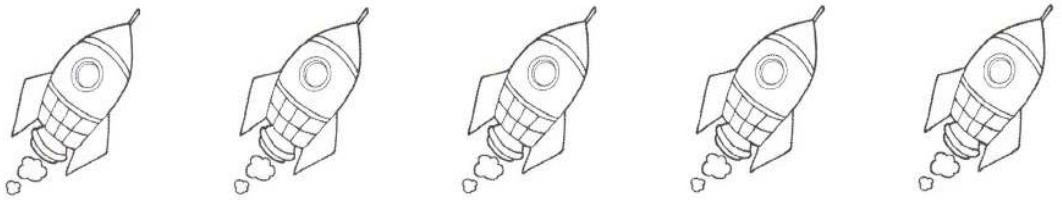
(a) Circle the 2nd child.

(b) Circle the 3rd swimmer.

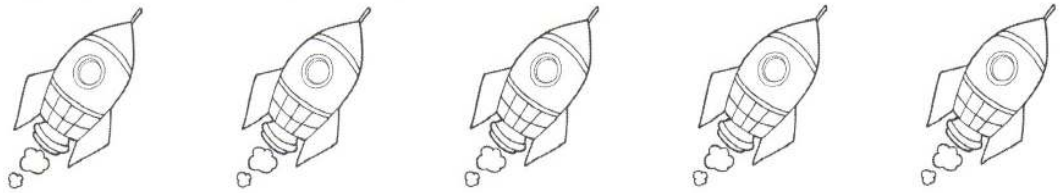
(c) Circle the 5th runner.

2 Read and colour.

(a) Colour 4 rockets.

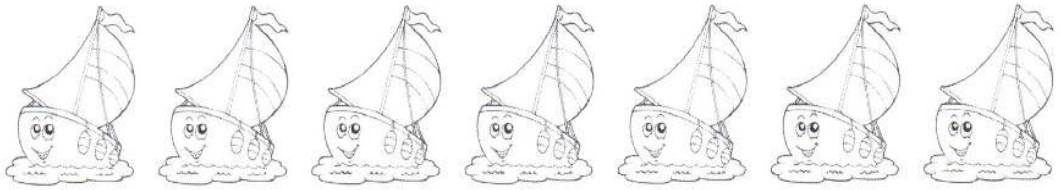


Colour the 4th rocket.

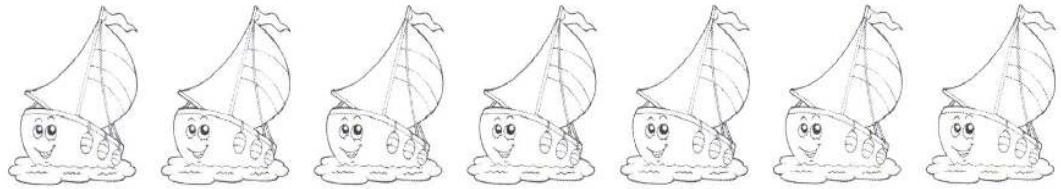


1st

(b) Colour 6 boats.



Colour the 6th boat.



1st

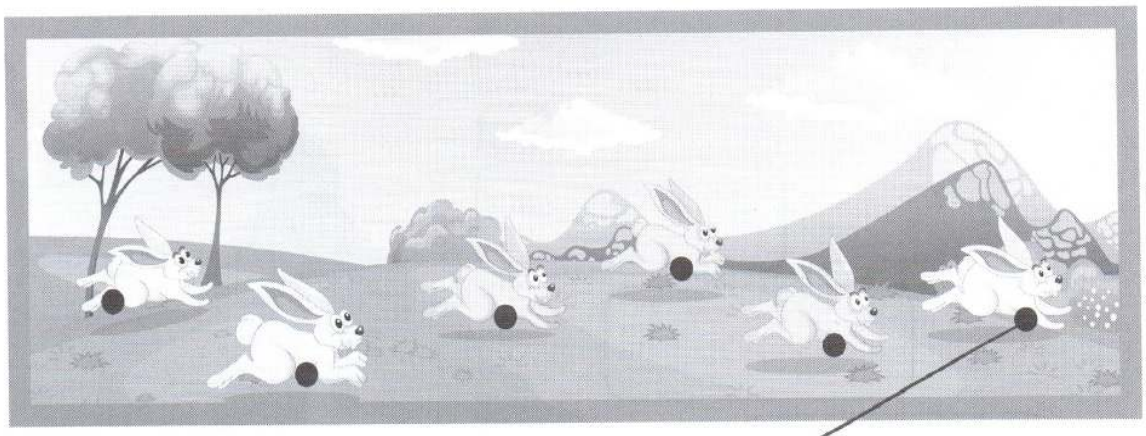
3 Tick (✓) the 5th banana.
Cross out (✗) the 10th banana.

1st

Name: Class: Date:

L1 Worksheet 2

1 Match.



fourth second sixth first fifth third

2 Circle the correct answer.

(a) Circle the 5th slice of watermelon.

2nd

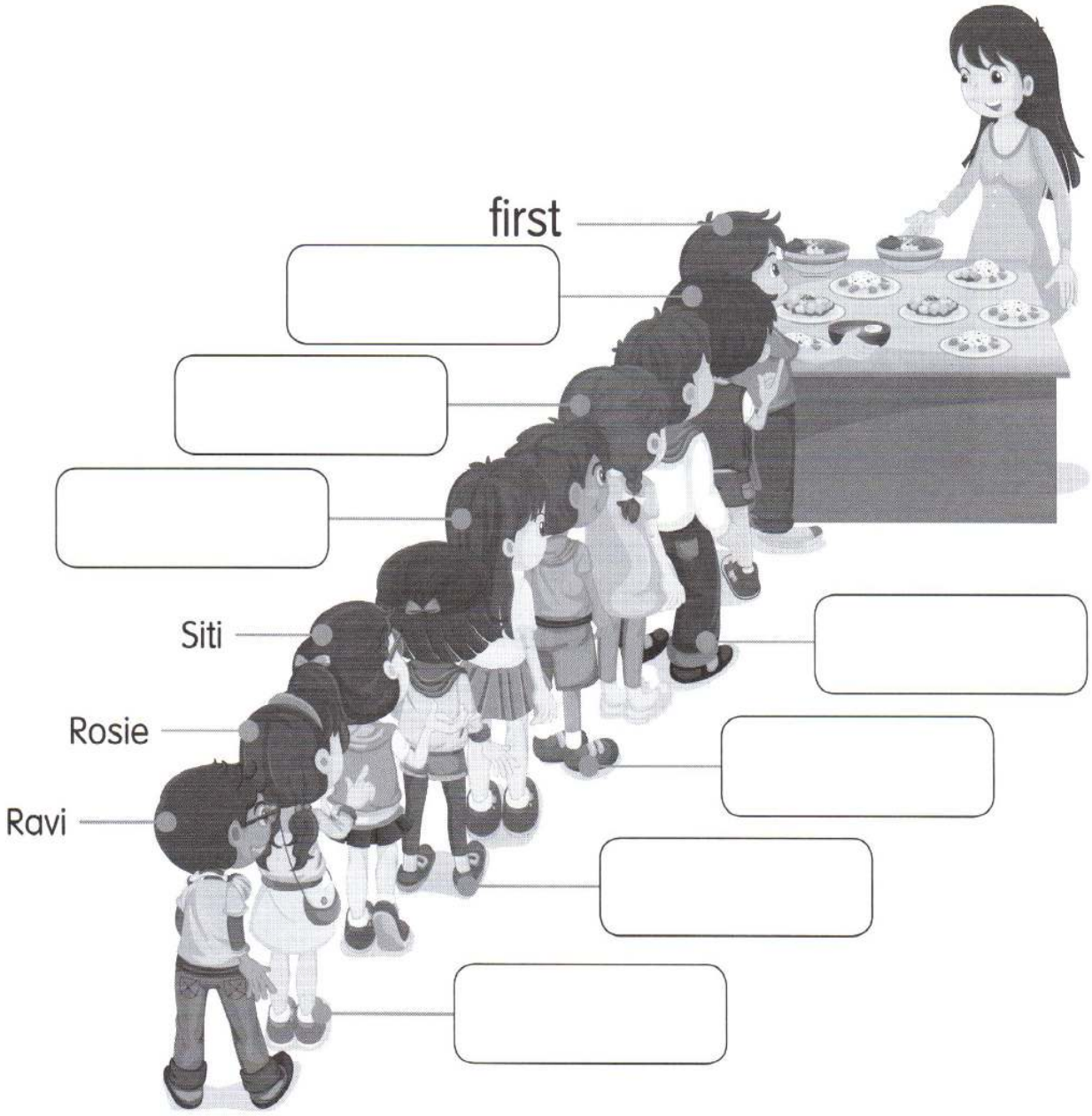
(b) Circle the 2nd and 7th bees.

5th 1st

(c) Circle the third and eighth ladybirds.

4th 6th

3 **(a)** Fill in the positions.



(b) Fill in **before** or **after** in the blank.

Ravi is _____ Rosie.

Siti is _____ Rosie.

Name: Class: Date:

L2 Worksheet 3

1 Look at the picture.
Fill in the boxes.

(a) Janice is playing guitar on the ☐ floor.

(b) Robi is watering plants on the ☐ floor.

(c) There is a bird on the ☐ floor.

(d) Peter is watching television on the ☐ floor.

(e) Huiling is reading a book on the ☐ floor.

(f) On which floor is the cat sleeping? ☐ floor

(g) On which floor is Rosie taking photographs? ☐ floor

2 Fill in the boxes.

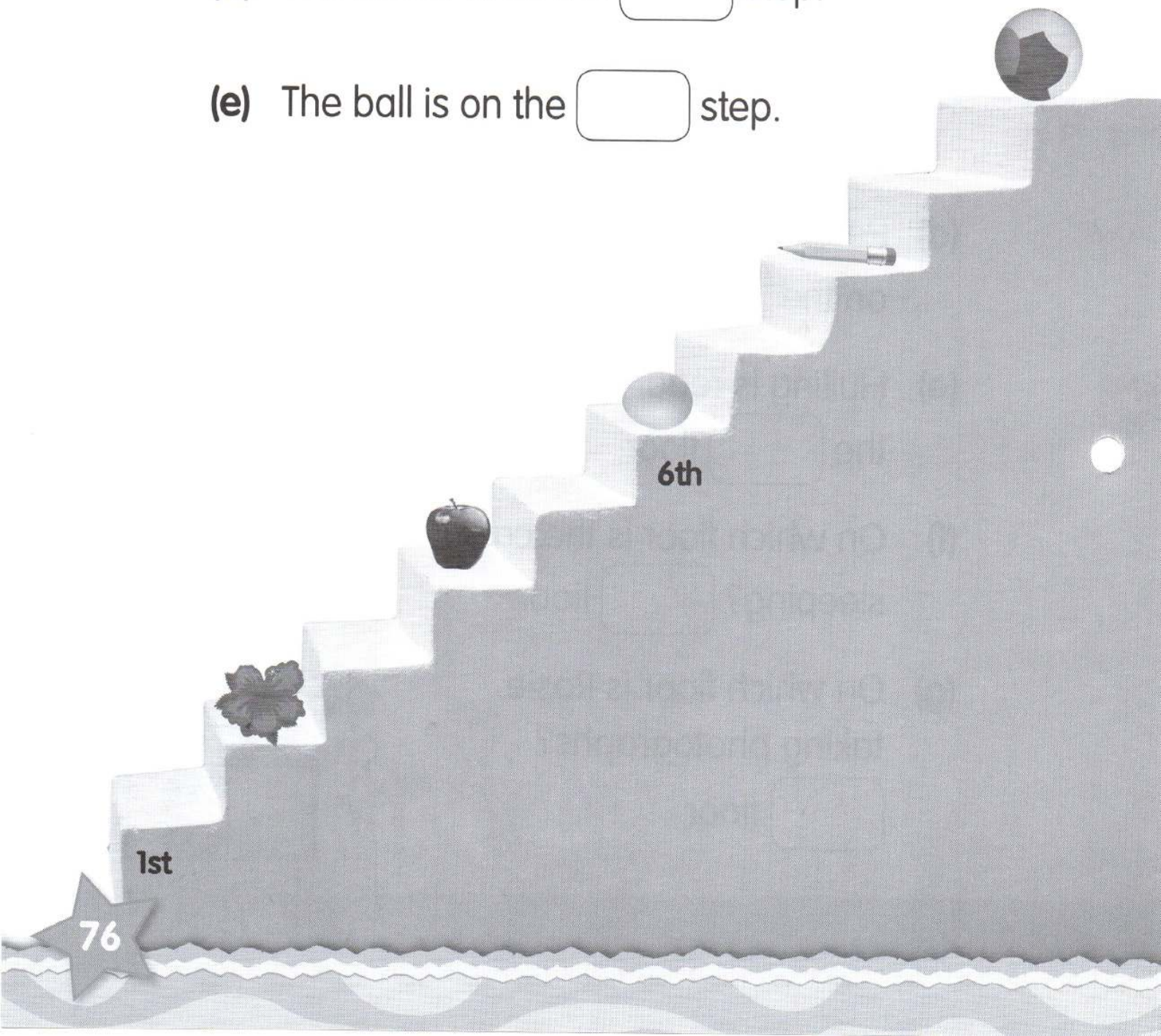
(a) The apple is on the ☐ step.

(b) The pencil is on the ☐ step.

(c) The egg is on the ☐ step.

(d) The flower is on the ☐ step.

(e) The ball is on the ☐ step.

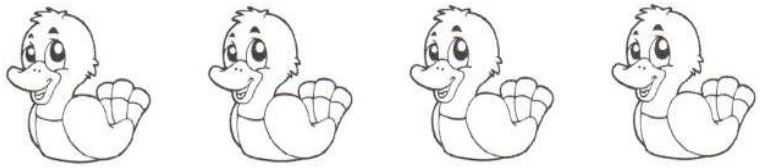


Name: Class: Date:

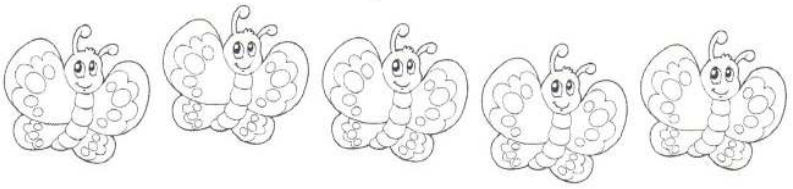
L1 Worksheet 4

1 Read and colour.

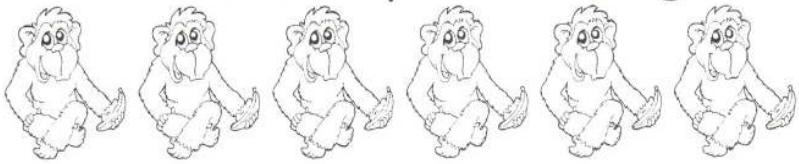
(a) Colour the 1st duck from the left.

left  right

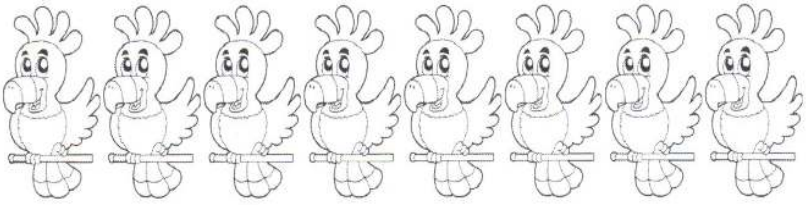
(b) Colour the 3rd butterfly from the left.

left  right

(c) Colour the 2nd monkey from the right.

left  right

(d) Colour the 7th parrot from the right.

left  right

2 Tick (✓) the 9th starfish from the left.
Cross out (✗) the 6th starfish from the right.

left right

3 Fill in the boxes with the correct positions.

left

car

bicycle

motorcycle

bus

right

(a) The car is ☐ from the left.

(b) The motorcycle is ☐ from the right.

(c) The bicycle is ☐ from the right.

(d) The bus is ☐ from the left.

4 Fill in the blanks with **right**, **left** or **between**.

left

leaf

bee

flower

butterfly

squirrel

bird

right

(a) The flower is 3rd from the _____.

(b) The squirrel is 2nd from the _____.

(c) The butterfly is _____ the flower and the squirrel.

(d) The leaf is last from the _____.

Name: Class: Date:

L2 Worksheet 5

1 Fill in each box with the correct answer.

(a) What is the position of the pepper from the right? ____

(b) What is the position of the tomato from the left? ____

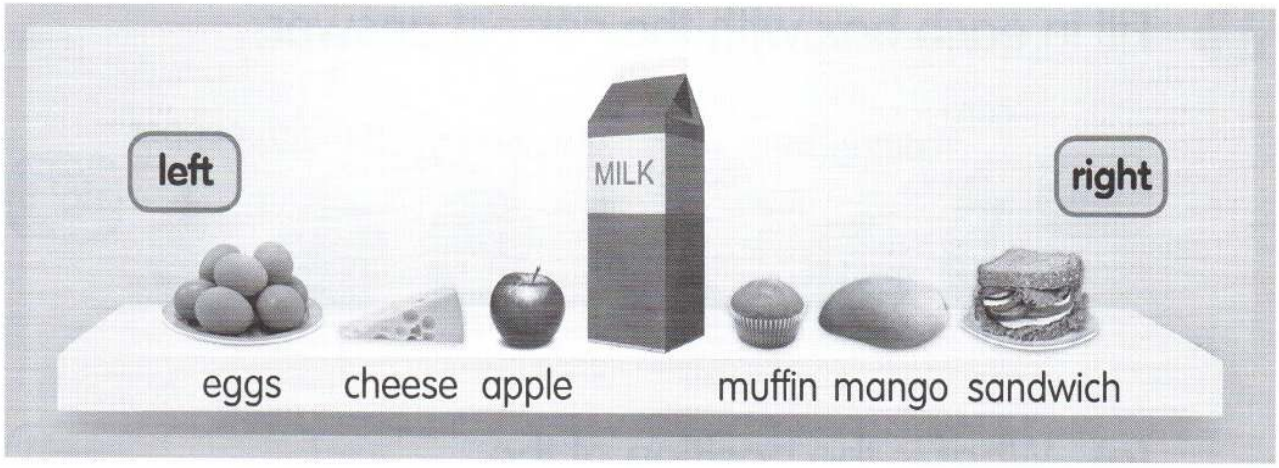
(c) What is the position of the mushroom from the left? ____

(d) What vegetable is last from the right? ____

(e) What vegetable is between the carrot and the tomato? ____

(f) What vegetable is between the corn and the carrot? ____

2 Complete the sentences about the positions of the objects on the shelf.



example

The apple is 3rd from the left.

(a) The sandwich is _____ from the right.

(b) The muffin is 5th from the _____.

(c) The mango is _____ from the left.

(d) The cheese is _____ the eggs and the apple.

Name: Class: Date:

Problem Solving

1 Four children are running a race.
Peter is **first**.
Ravi is just **after** Peter.
Rosie is **last**.
In which position is Siti?

Understand

- How many children are there?
- Whose positions are given?
- Whose position do you have to find?

Solve

- Write the names and positions of the runners.

_____ _____ _____ _____

_____ _____ _____ _____

Siti is in the _____ position.

2 The police are looking for a man.
He has black hair, a moustache and wears glasses.

left right

Which picture shows the correct man?
What is his position from the right?

Understand

- Which man has black hair, a moustache and wears glasses?

Solve

- Cross out the men who do not
  (a) have black hair or a moustache,
  (b) wear glasses.

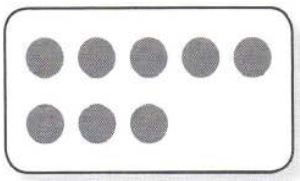
left right

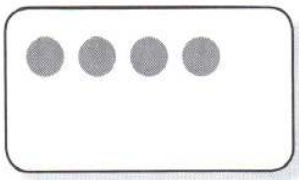
The man is _____ from the right.

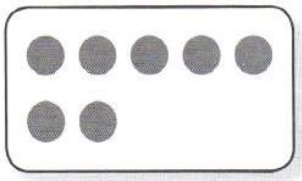
Name: Class: Date:

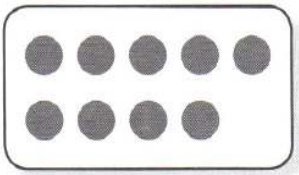
Review

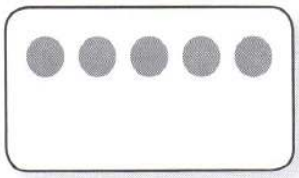
1 Write the number of dots in numerals and in words.

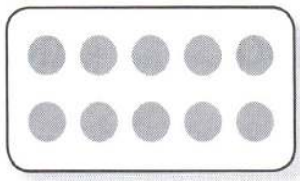
(a)  8

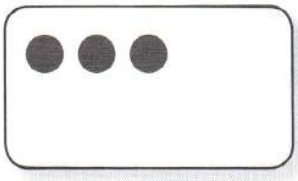
(b) 

(c) 

(d) 

(e) 

(f) 

(g) 

(h)

2 Fill in the boxes.

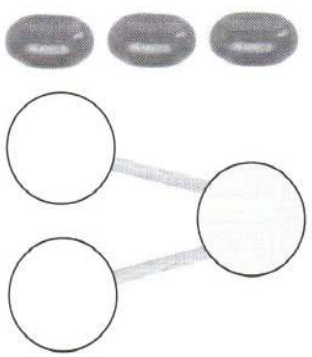
(a) 1 less than 8 is ☐.

(b) 1 more than 4 is ☐.

(c) 1 more than 9 is ☐.

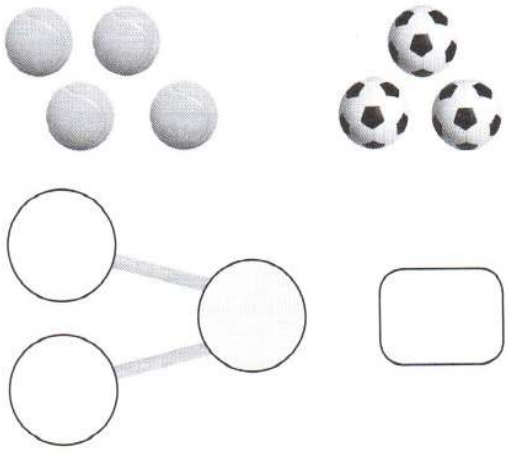
3 Complete each number bond and fill in the boxes.

(a)



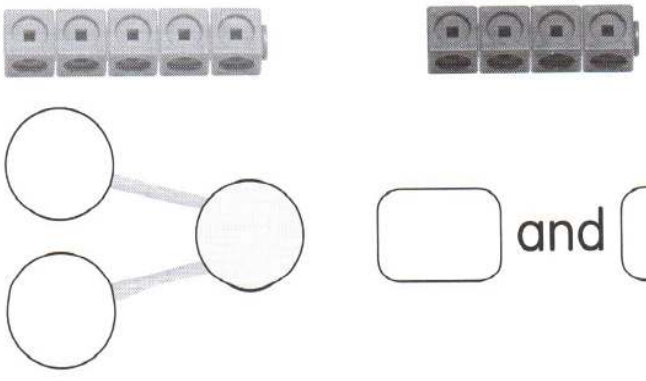
☐ and ☐ make ☐.

(b)



☐ and ☐ make ☐.

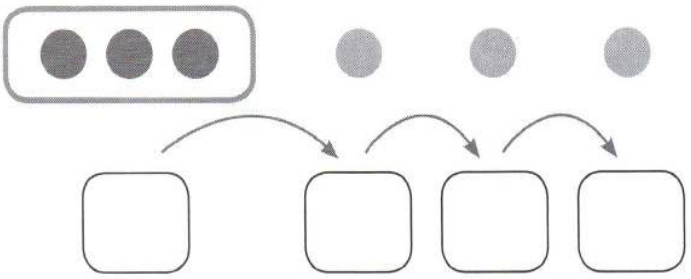
(c)



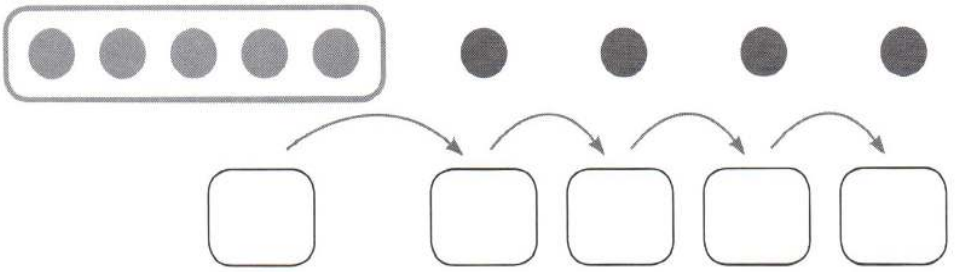
☐ and ☐ make ☐.

4 Add the dots by counting on.

(a)

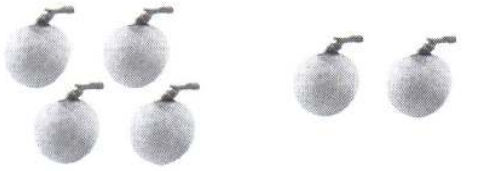


(b)



5 Complete each addition equation.

(a)



□ + □ = □

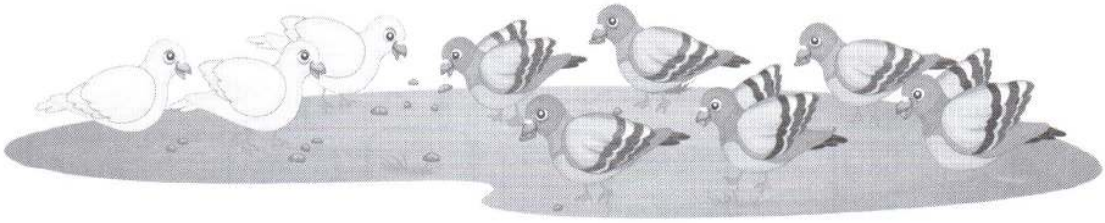
(b)

□ + □ = □

(c)

□ + □ = □

6 Fill in the boxes.
How many birds are there altogether?



☐ ☐ ☐ = ☐

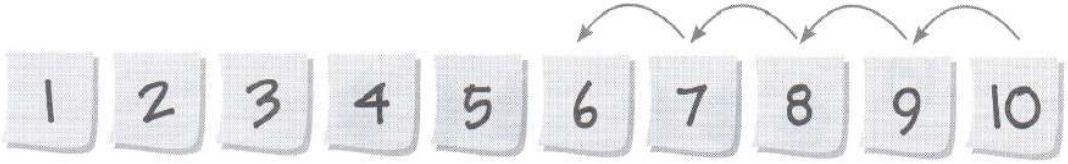
There are ☐ birds altogether.

7 Subtract by counting back.
How many are there left?

(a)

☐

(b)



☐

8 Complete the subtraction equation.

☐ − ☐ = ☐

9 Subtract.

(a) 5 − 4 = ☐

(b) 3 − 1 = ☐

(c) 7 − 1 = ☐

(d) 2 − 2 = ☐

(e) 9 − 6 = ☐

(f) 8 − 3 = ☐

(g) 10 − 4 = ☐

(h) 7 − 3 = ☐

10 Look at the picture and write a family of 4 addition and subtraction facts.

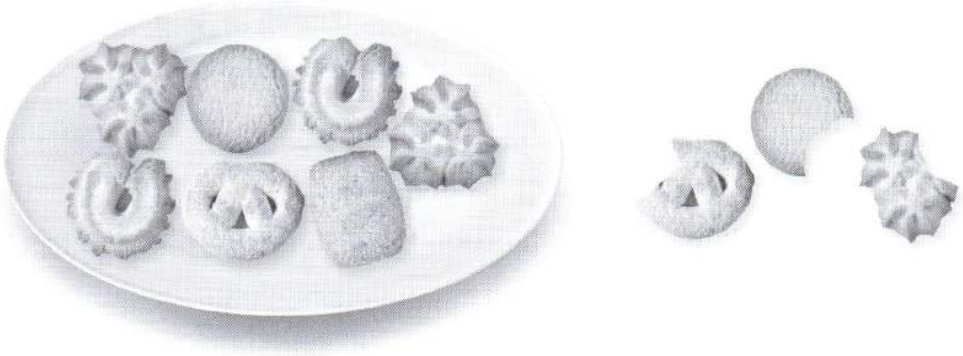
☐ + ☐ = ☐

☐ + ☐ = ☐

☐ − ☐ = ☐

☐ − ☐ = ☐

11 Fill in the boxes.
How many cookies are left on the plate?



[ ] − [ ] = [ ]

There are [ ] cookies left on the plate.

12 Fill in the boxes.

(a) has been done for you.

(a) The paper clip is [2nd] from the left.

(b) The eraser is [ ] from the right.

(c) The pencil is [ ] from the left.

(d) The sharpener is [ ] from the right.

(e) The book is [ ] from the left.

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