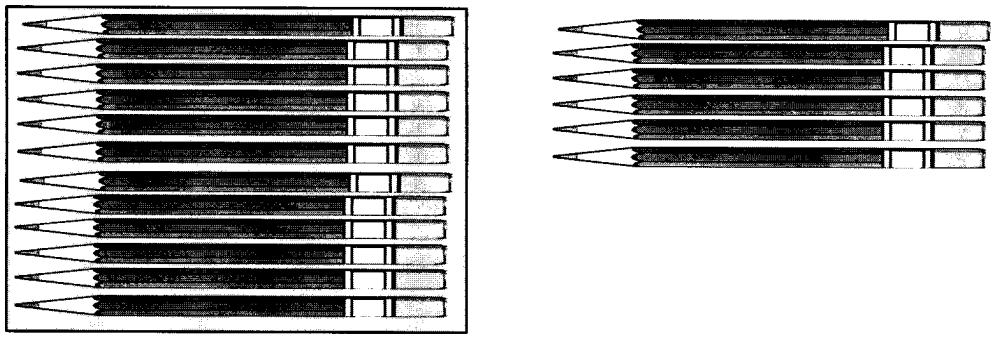
13. Siti has 6 pencils. She wins a box of 12 pencils in a story-writing contest. How many pencils does she have now?

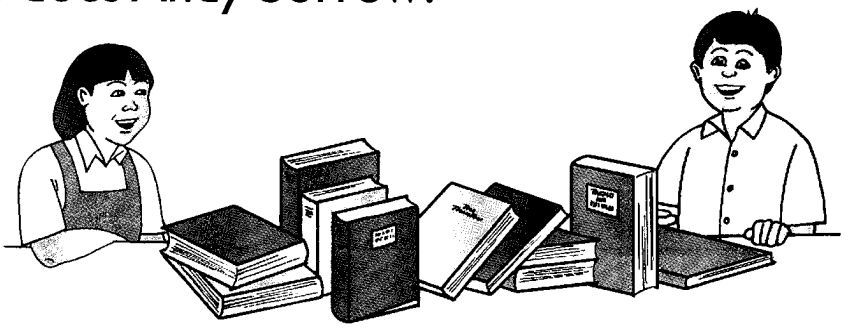


□ ○ □ = □

Siti has _____ pencils now.

Exercise three

11. Andy and Jane go to the library. Jane borrows 7 books. Andy borrows 3 books less than Jane. How many books does Andy borrow?



□ ○ □ = □

Andy borrows _____ books.

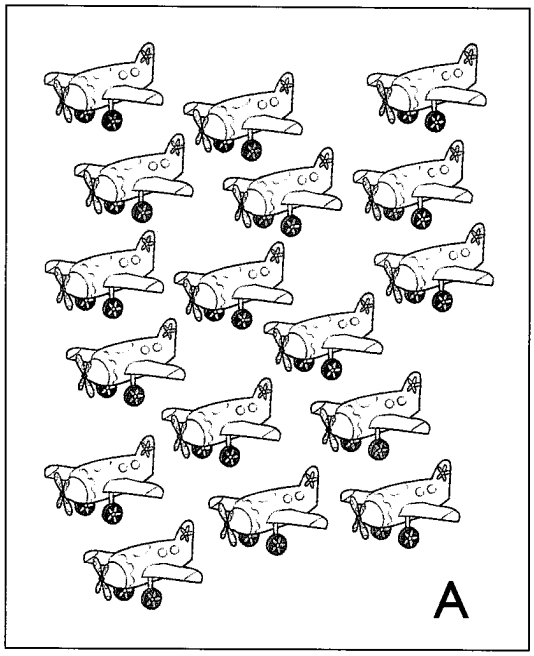
12. There are 17 mangoes. Siva, Ahmad, Mei Ling and Ravi eat 1 mango each. How many mangoes are left?

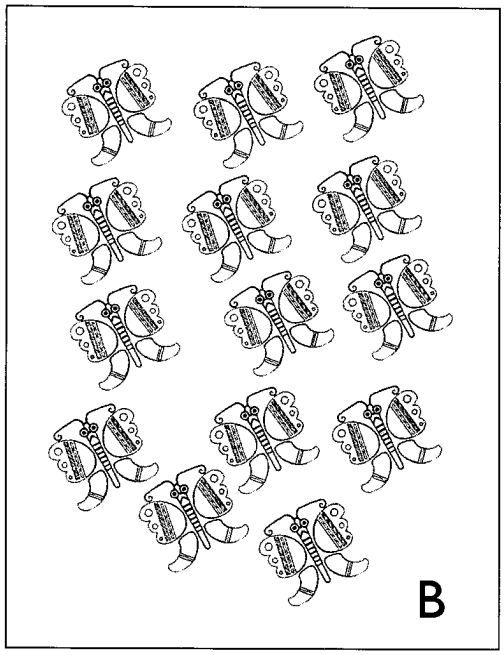
□ ○ □ = □

_____ mangoes are left.

10. Color the set that has more items. Write how many more items there are.

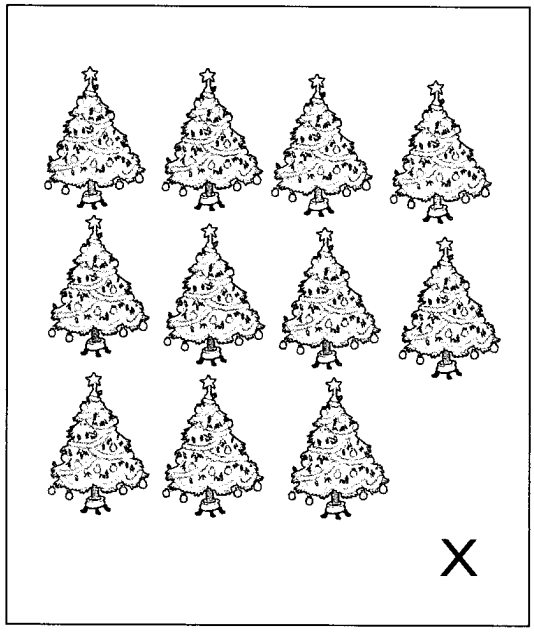
(a)

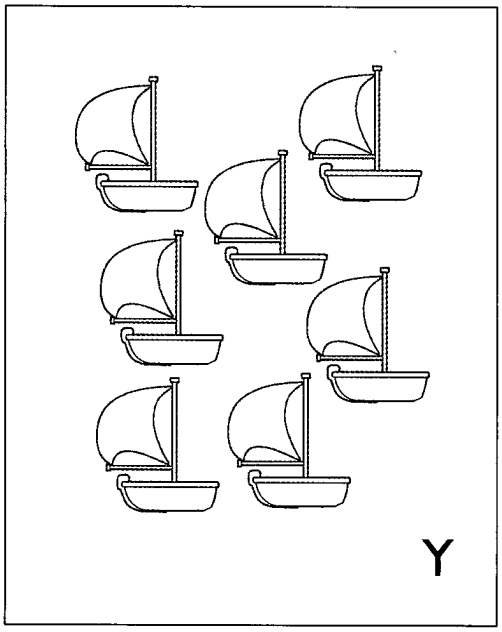




Set _____ has _____ more items than set _____.

(b)





Set _____ has _____ more items than set _____.

Exercise two

7. Arrange the numbers in order.

(a) From the smallest to the greatest.

20, 7, 11, 4, 16

_____, _____, _____, _____, _____.
smallest greatest

(b) From the greatest to the smallest.

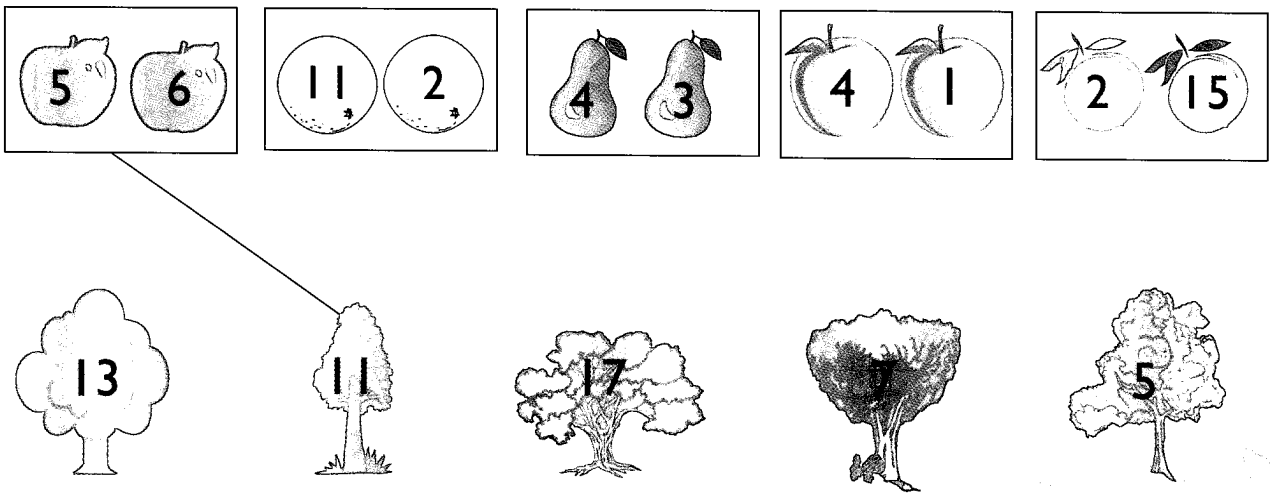
6, 18, 1, 13, 9

_____, _____, _____, _____, _____.
greatest smallest

8. Write an addition and a subtraction sentence using these numbers: 19, 12, 7.

☐ + ☐ = ☐ ☐ – ☐ = ☐

9. Match.



6. Fill in the blanks.

(a) There are _____ men at the bus stop.

(b) _____ women are at the bus stop.

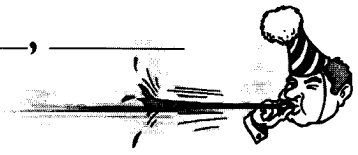
(c) There are _____ people at the bus stop altogether.

(d) There are _____ more women than men at the bus stop.

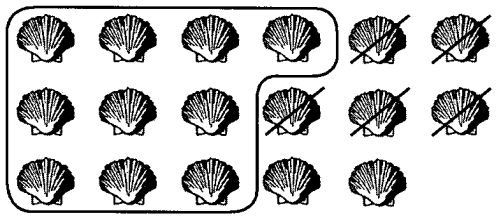
4. Complete these number patterns.

(a) _____, 8, _____, _____, 5, 4, 3, _____

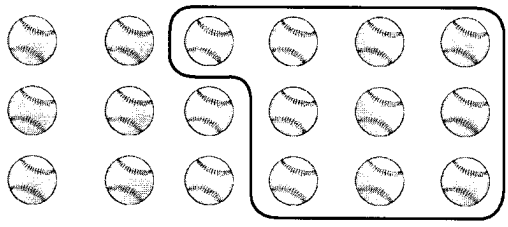
(b) 11, _____, _____, 14, 15, 16, _____, _____



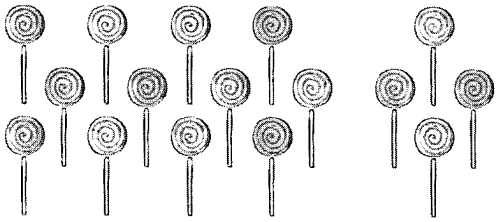
5. Ring a group of ten and find the answer.



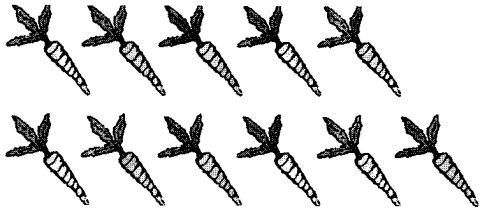
17 – 5 = _____



3 + 15 = _____

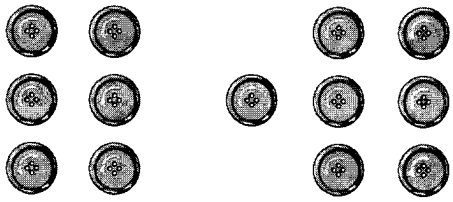


12 + 4 = _____



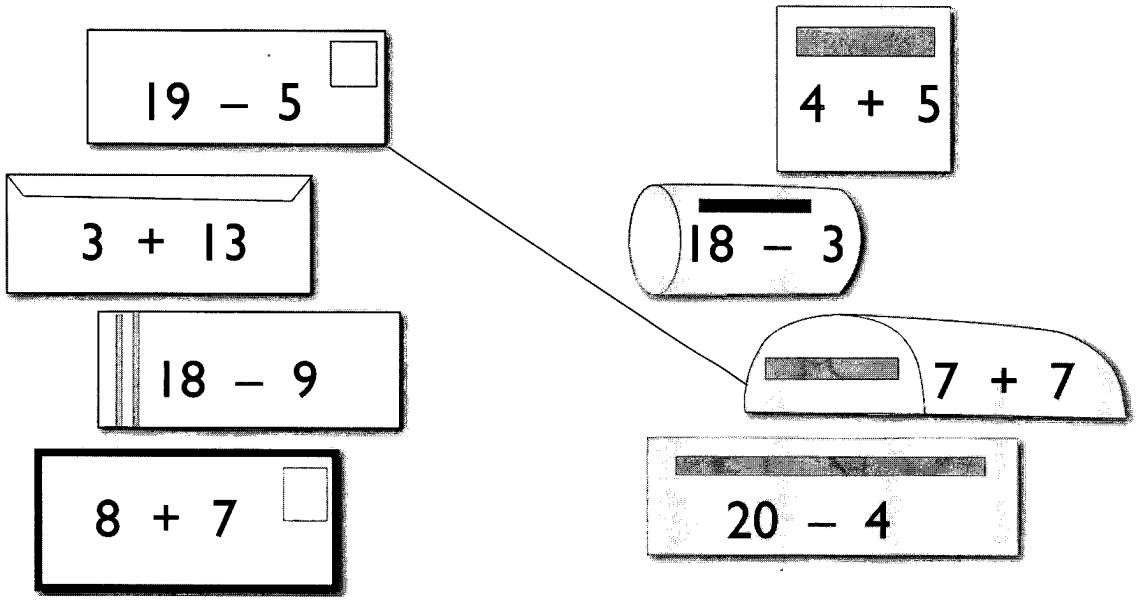
11 – 6 = _____

20 – 10 = _____

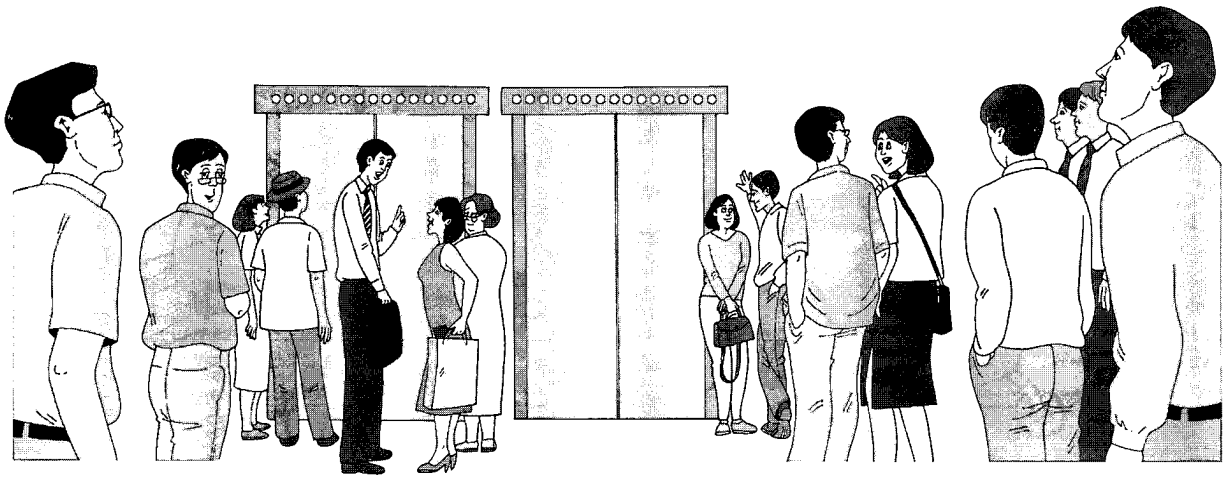


6 + 7 = _____

2. Match.



3. Write 1 addition and 1 subtraction sentence for this picture.



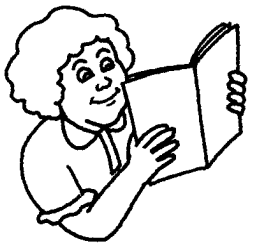
☐ + ☐ = ☐ ☐ – ☐ = ☐

Let's Revise!

Exercise one

1. Complete the number bonds.

15. Jenny reads 8 pages of a storybook on Monday, 7 pages on Tuesday and 5 pages on Wednesday. How many pages does she read altogether?



□ ○ □ ○ □ = □

Jenny reads _____ pages altogether.

16. Joyce's mom makes 20 doughnuts. 13 of them are eaten. How many doughnuts are there left?

□ ○ □ = □

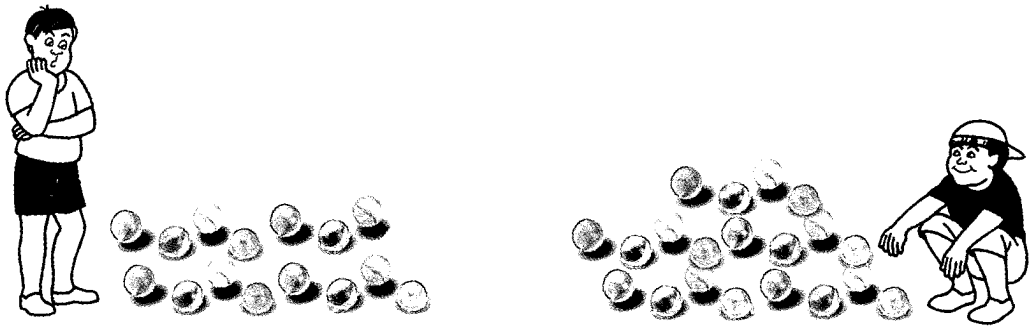
There are _____ doughnuts left.

13. Three children are at the beach. Andy and Jenny find 7 seashells each and Jimmy finds 6. How many seashells do they find altogether?

□ ○ □ ○ □ = □

They find _____ seashells altogether.

14. Kelvin has 15 marbles and Kate has 20. How many fewer marbles does Kelvin have than Kate?

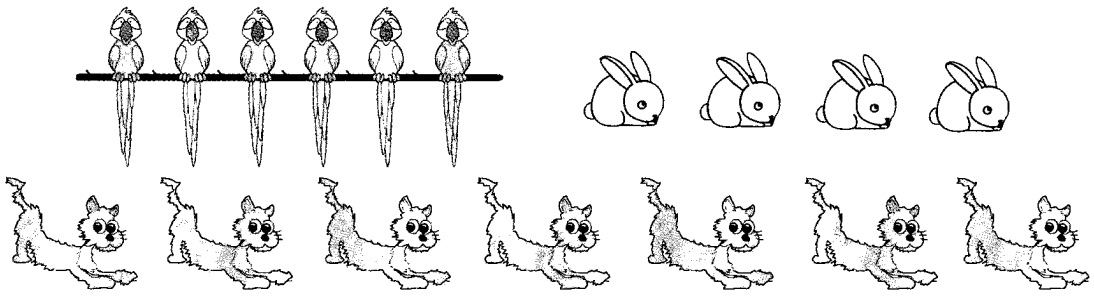


□ ○ □ = □

Kelvin has _____ fewer marbles than Kate.

Exercise three

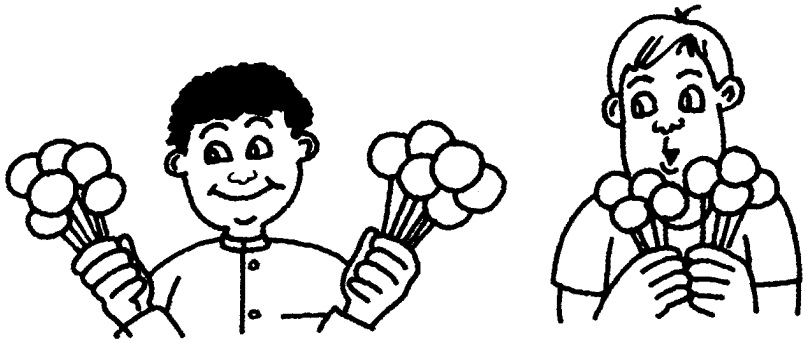
11. 6 parrots, 4 rabbits and 7 cats are for sale at a pet shop. How many pets are for sale altogether?



□ ○ □ ○ □ = □

There are _____ pets for sale altogether.

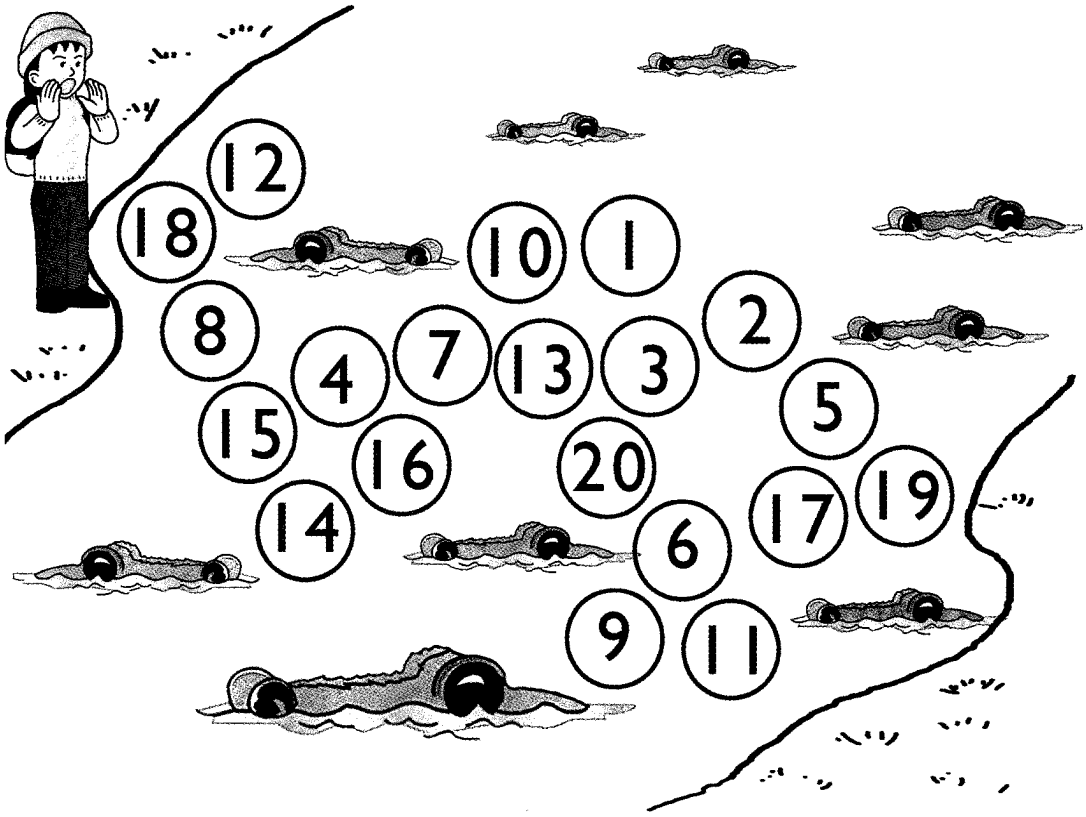
12. John wins 12 lollipops in a game. Al wins 8 lollipops. How many more lollipops does John win than Al?



□ ○ □ = □

John wins _____ more lollipops than Al.

10. Add or subtract. Then color the path Jimmy has to take to cross the river.



(a) 9 + 9 =

(b) 20 − 12 =

(c) 7 + 8 =

(d) 15 − 11 =

(e) 7 + 0 =

(f) 19 − 6 =

(g) 7 + 13 =

(h) 14 − 8 =

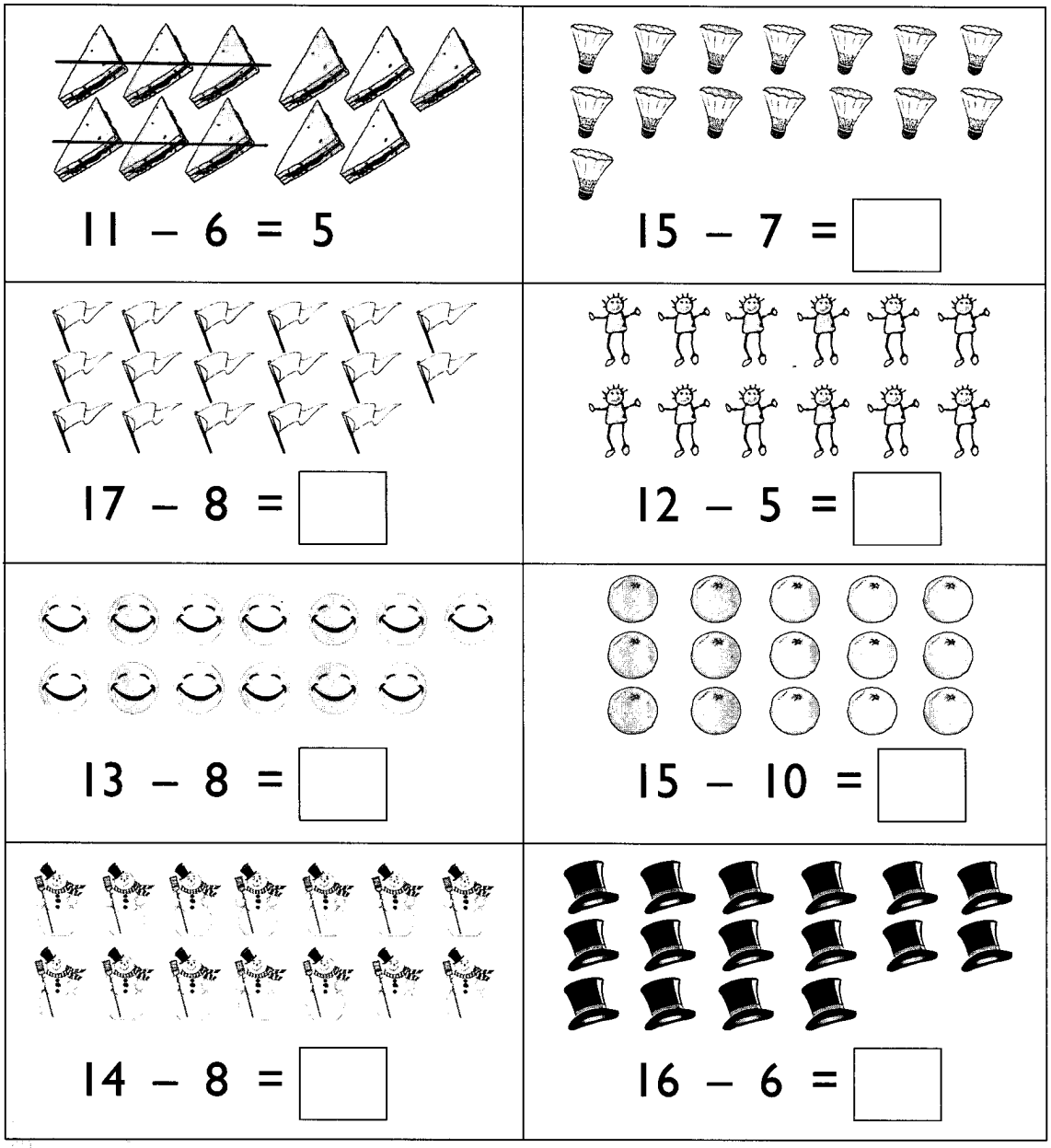
(i) 8 + 9 =

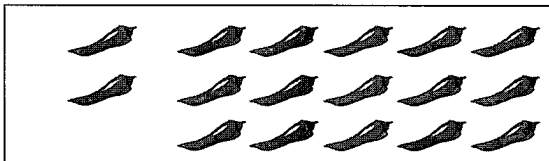
(j) 20 − 1 =

(c) 14, 9, 5 ☐ + ☐ = ☐

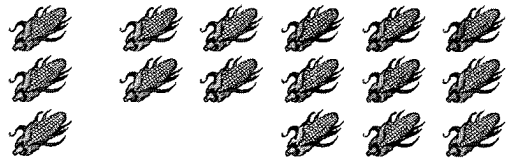
(d) 13, 6, 7 ☐ − ☐ = ☐

9. Subtract by crossing out the correct number of things.





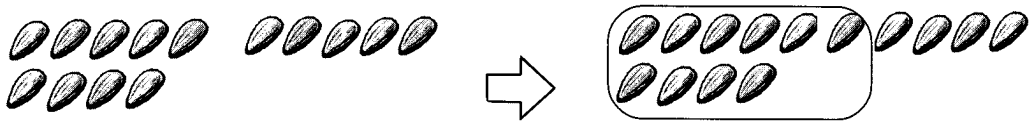
2 + 15 = ☐



3 + 13 = ☐

Exercise two

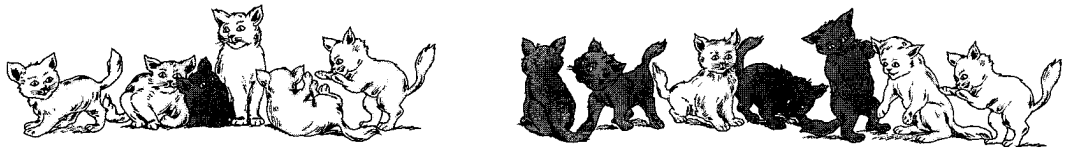
6. Complete the number sentences for these pictures.



☐ + 5 = 14

10 + ☐ = 14

7. Write 1 addition sentence and 1 subtraction sentence for the following picture.



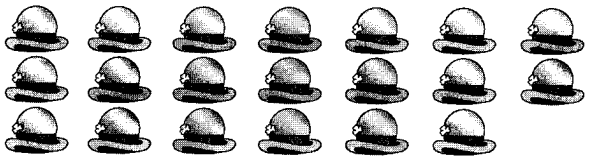
☐ + ☐ = ☐

☐ − ☐ = ☐

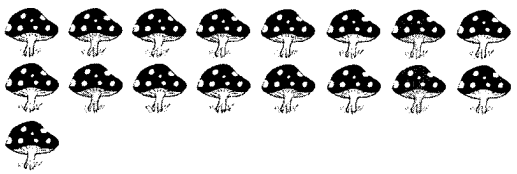
8. Write a number sentence for each set.

(a) 12, 5, 7 ☐ + ☐ = ☐

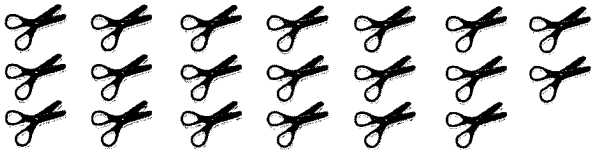
(b) 15, 8, 7 ☐ − ☐ = ☐



20 – 3 = ☐



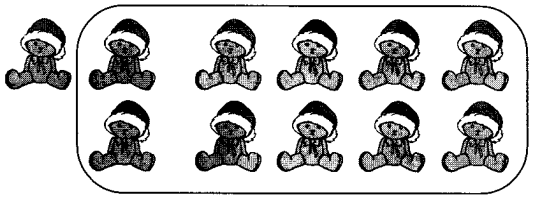
17 – 5 = ☐



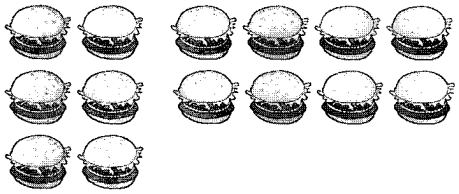
20 – 10 = ☐

14 – 3 = ☐

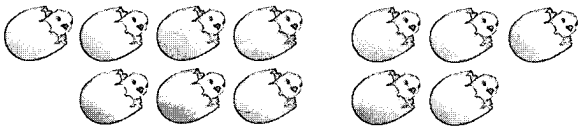
5. Make a group of 10. Then add.



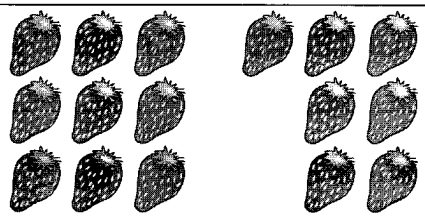
3 + 8 = ☐



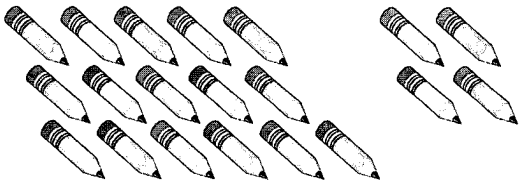
6 + 8 = ☐



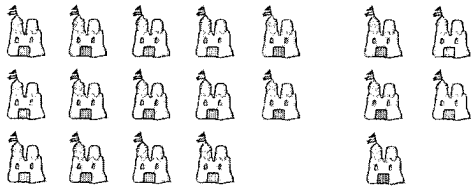
7 + 5 = ☐



9 + 7 = ☐

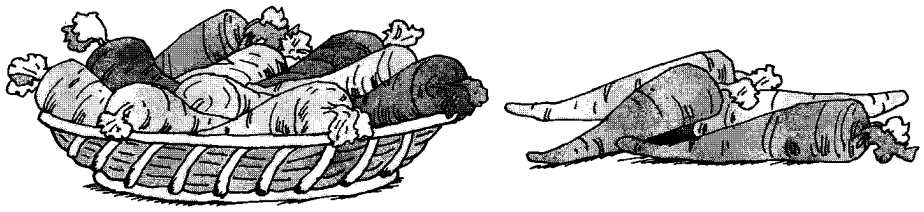


16 + 4 = ☐



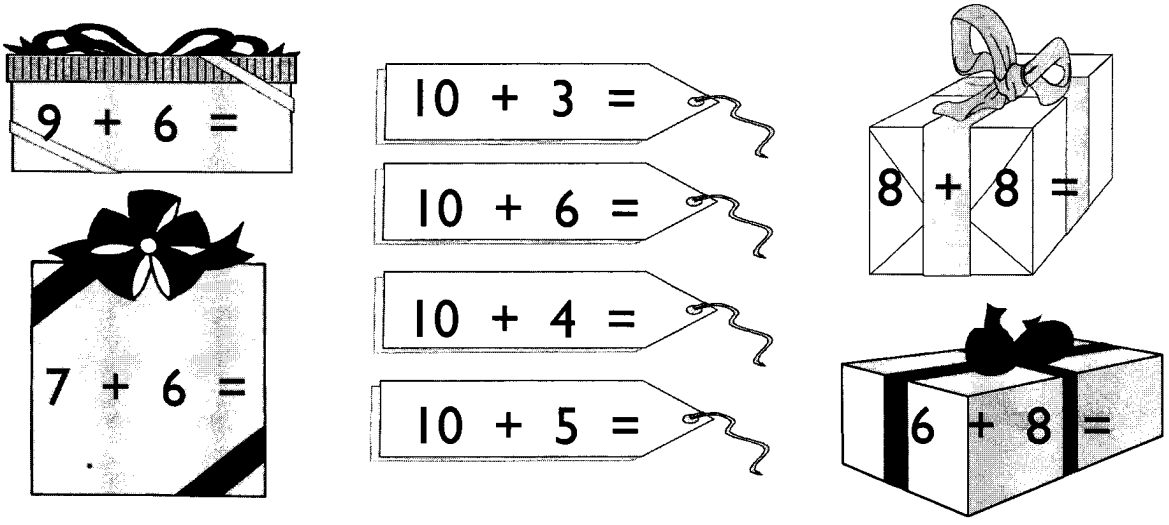
14 + 5 = ☐

(b)

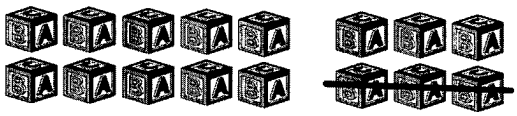


14 − 4 = ☐

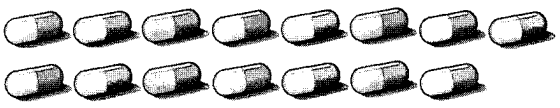
3. Match number sentences with the same answers.



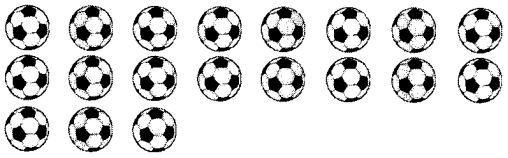
4. Subtract by crossing out the correct number of items.



16 − 3 = 13



15 − 4 = ☐



19 − 5 = ☐

18 − 6 = ☐

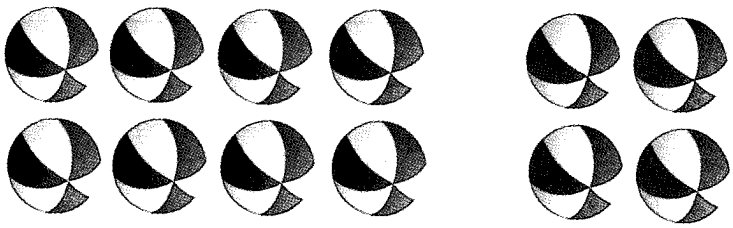
Addition and Subtraction Within 20

Exercise one

1. Make a ten and add.

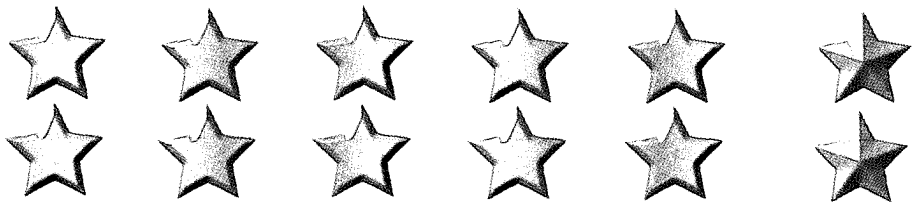
(a)

$10 + \square = \square$

(b) 

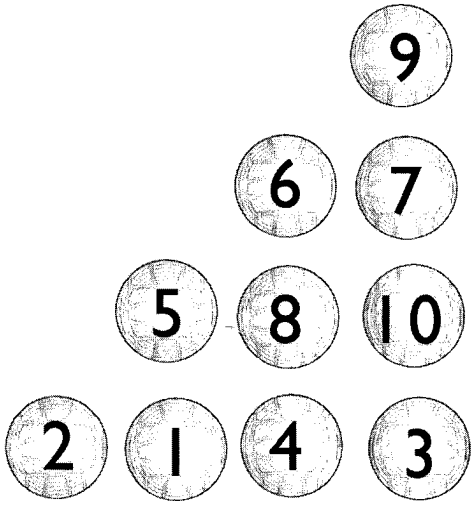
$10 + \square = \square$

2. Cross out the correct number of objects. Then fill in the blanks with the correct answer.

(a) 

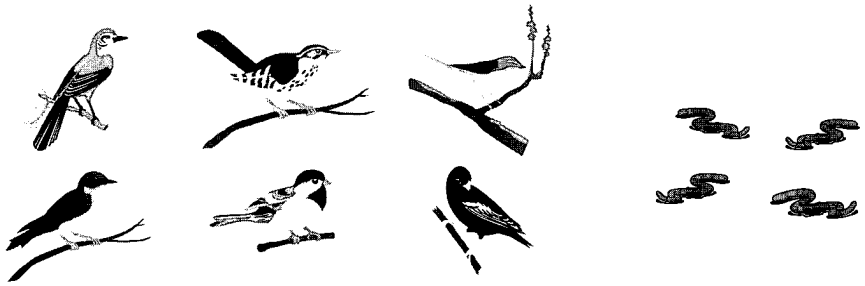
$12 - 6 = \square$

9. Show 1 way of subtracting the numbers in the circles to get the answers in the boxes. The first one has been done for you.



7 – 6 = 1	2
3	4
5	6
7	8

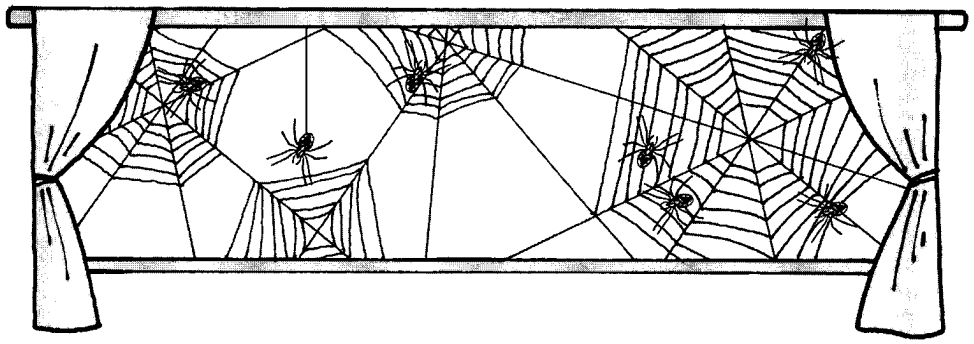
(b)



□ ○ □ = □

There are _____ fewer worms than birds.

(c)



□ ○ □ = □

There are _____ fewer webs than spiders.

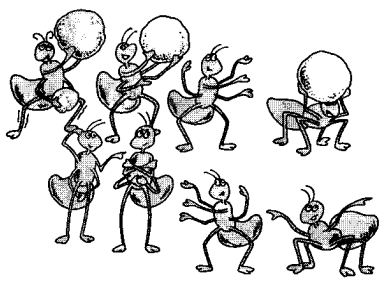
(d)

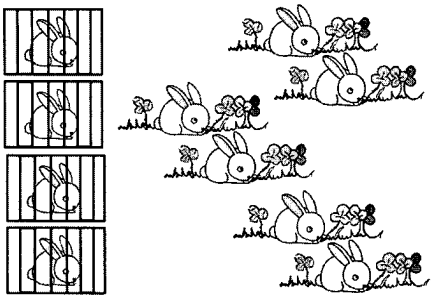
□ ○ □ = □

There are _____ more monkeys than bananas.

Exercise three

7. Tell 2 different stories for each picture. Then complete the number sentences.





□ − □ = 5

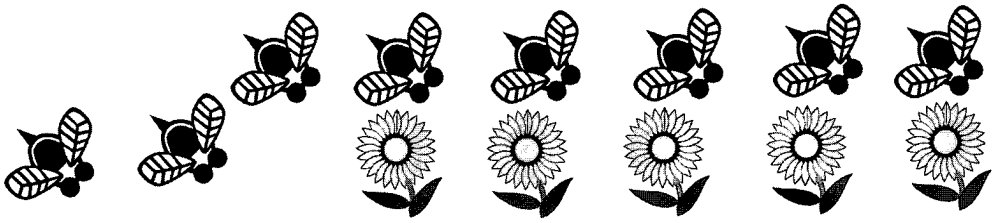
□ − □ = 3

□ − □ = 4

□ − □ = 6

8. Complete the number sentence. Then fill in the blanks.

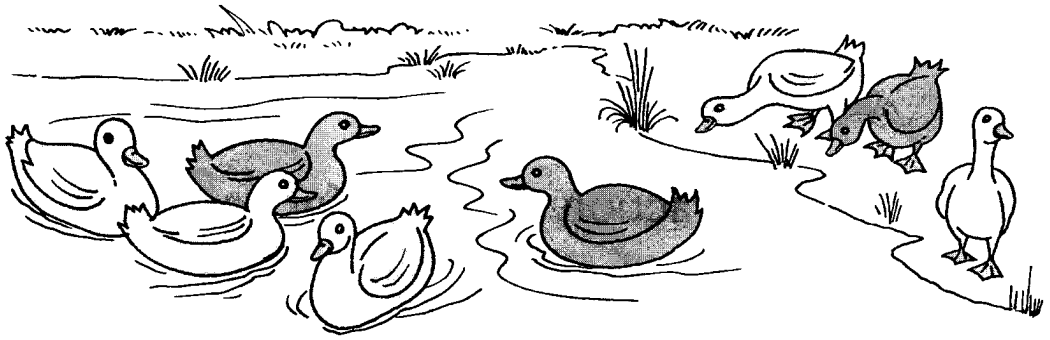
(a)



□ ○ □ = □

There are _____ more bees than flowers.

(c)



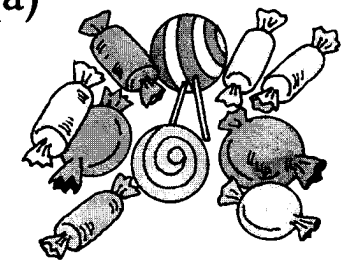
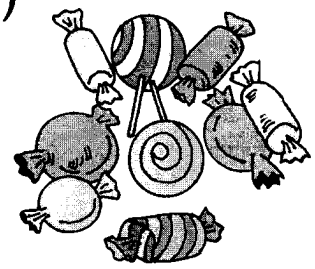
There are 8 ducks in the garden.

5 ducks are swimming.

□ ○ □ = □

_____ ducks are not swimming.

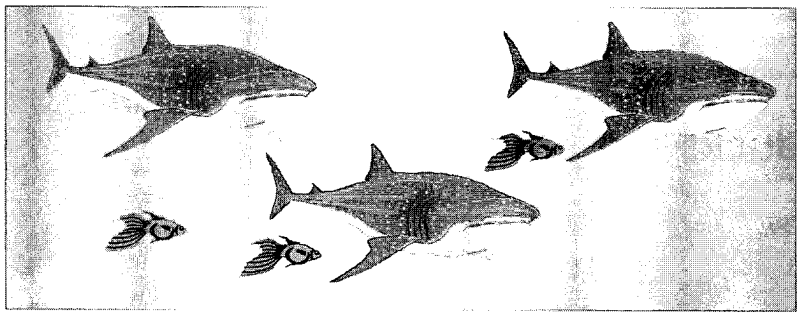
6. Look at the picture and fill in the blanks. Cross out the correct number of sweets.

(a) 	□ − 4 = □ There are _____ sweets left.
(b) 	□ − 3 = □ There are _____ sweets left.

Exercise two

5. Write a subtraction sentence for each picture and fill in the blanks with the correct number.

(a)



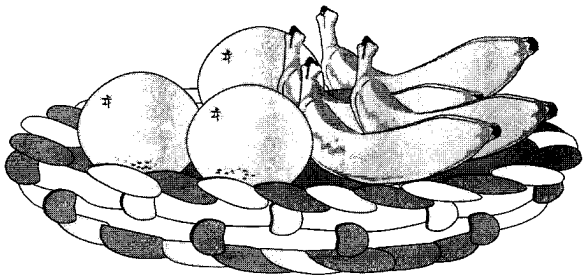
There are 6 fishes.

3 of them are big.

□ ○ □ = □

_____ of them are small fishes.

(b)

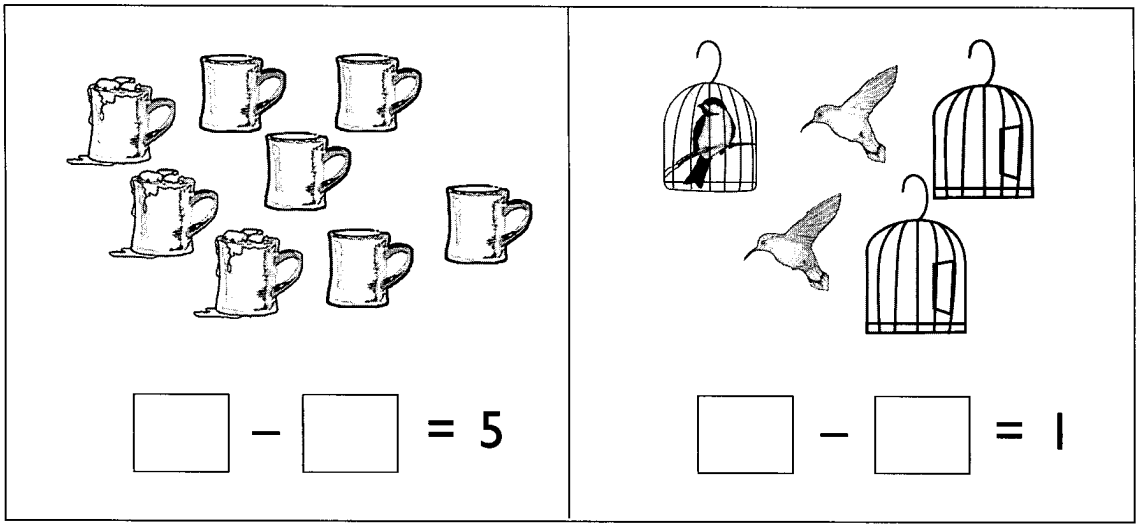


There are 7 fruits in the basket.

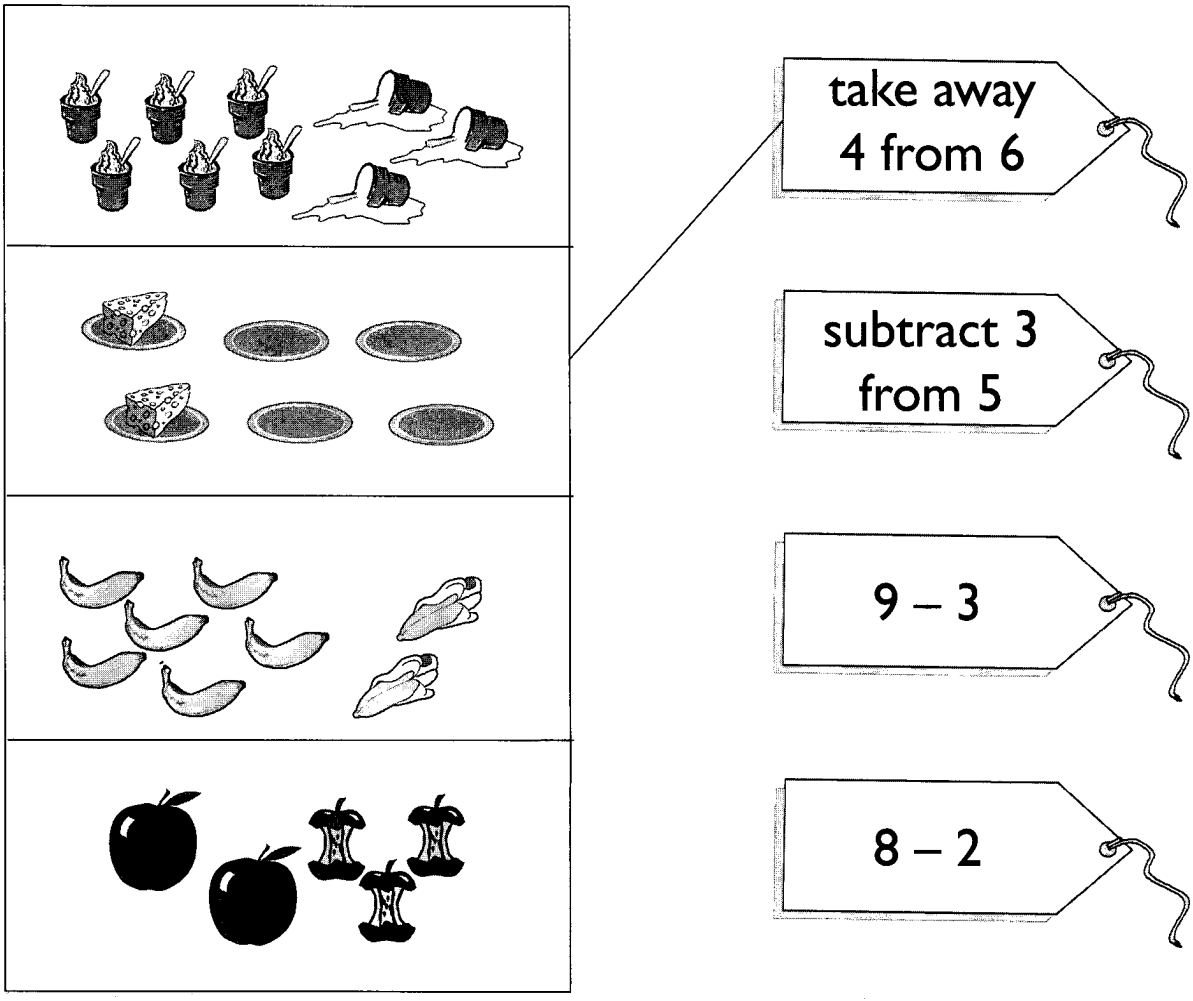
3 of them are oranges.

□ ○ □ = □

There are _____ bananas.



4. Match.

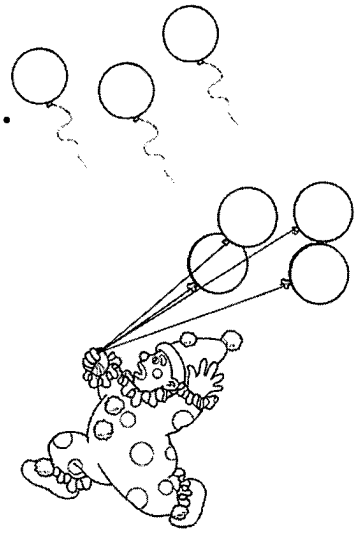


(d) Donald the clown had 7 balloons.

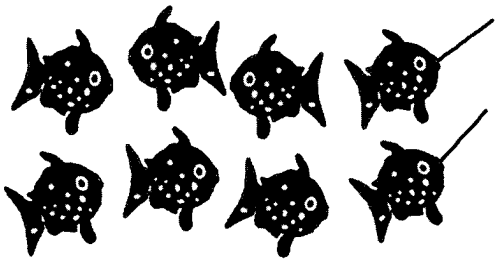
_____ balloons flew away.

☐ – 3 = ☐

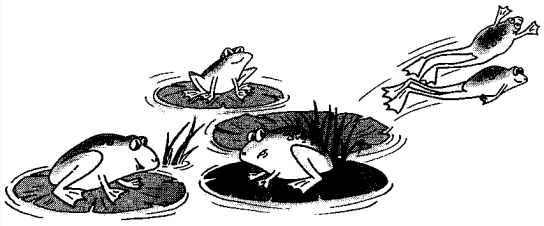
Now he has _____ balloons left.



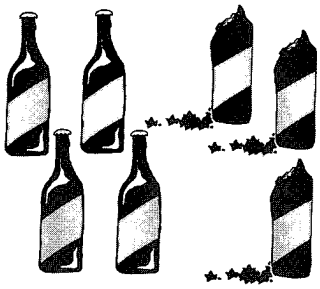
3. Complete the number sentences.



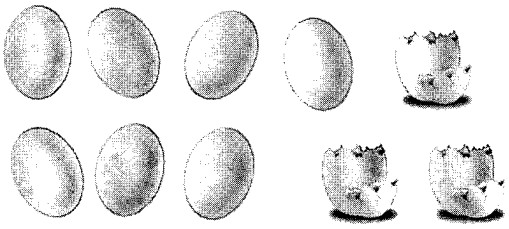
8 – 2 = 6



☐ – ☐ = 3



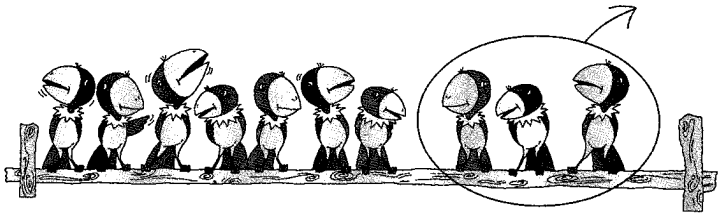
☐ – ☐ = 4



☐ – ☐ = 7

2. Fill in the blanks for each number story.

(a)



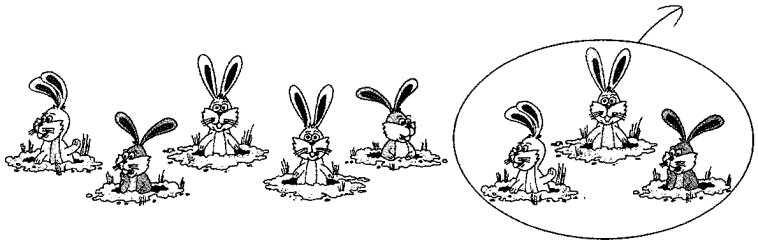
10 birds were sitting on the fence.

_____ birds flew away.

10 – ☐ = ☐

Now there are _____ birds left.

(b)



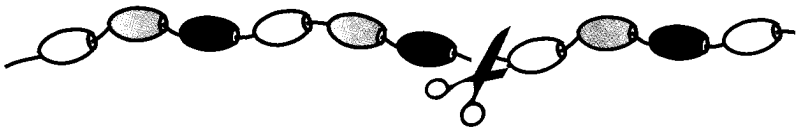
_____ rabbits were in their burrows.

3 rabbits hopped away.

☐ – 3 = ☐

There are _____ rabbits left now.

(c)



There are _____ beads.

Kelvin takes away 4 beads.

☐ – 4 = ☐

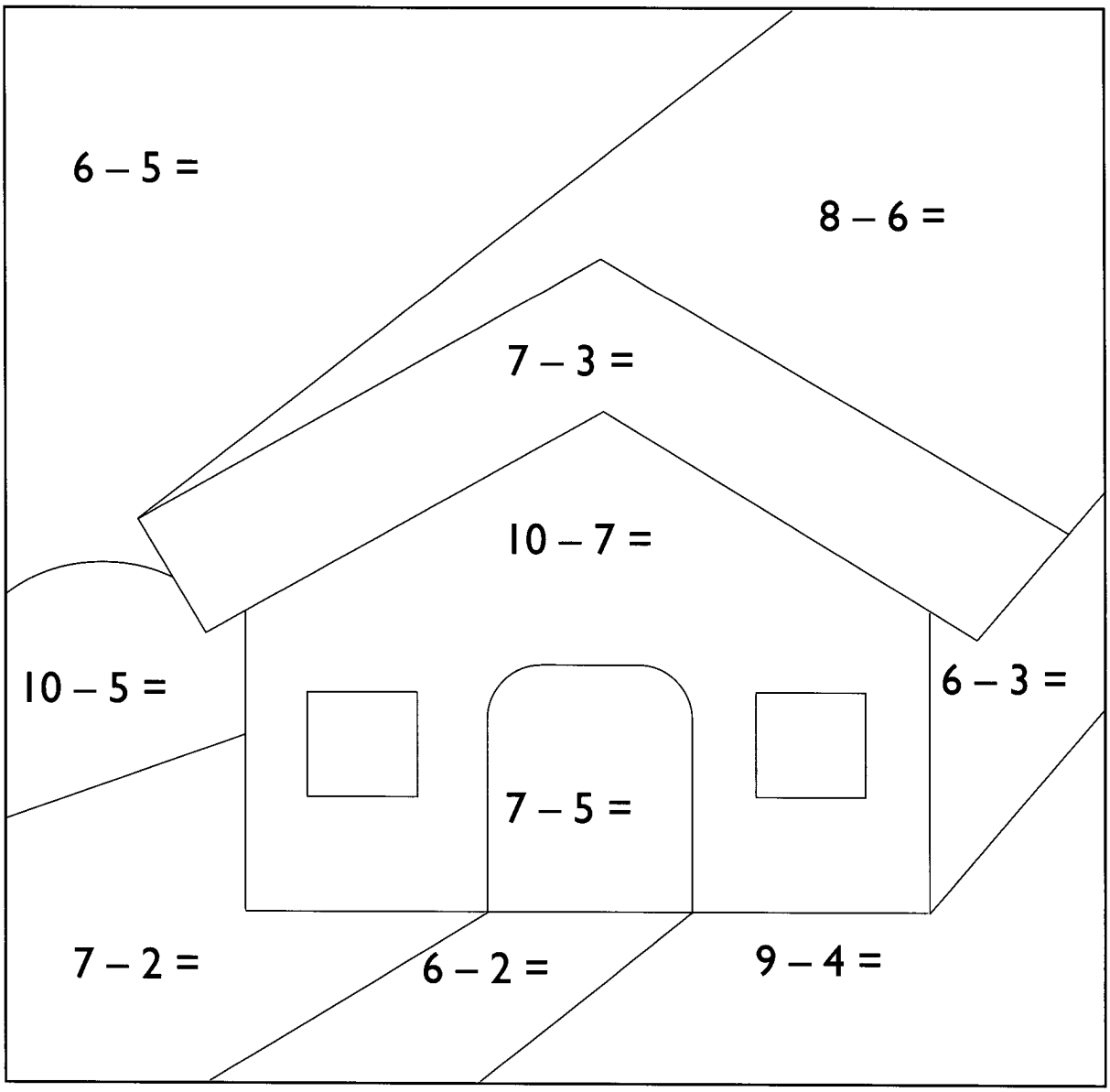
There are _____ beads left.

Subtraction

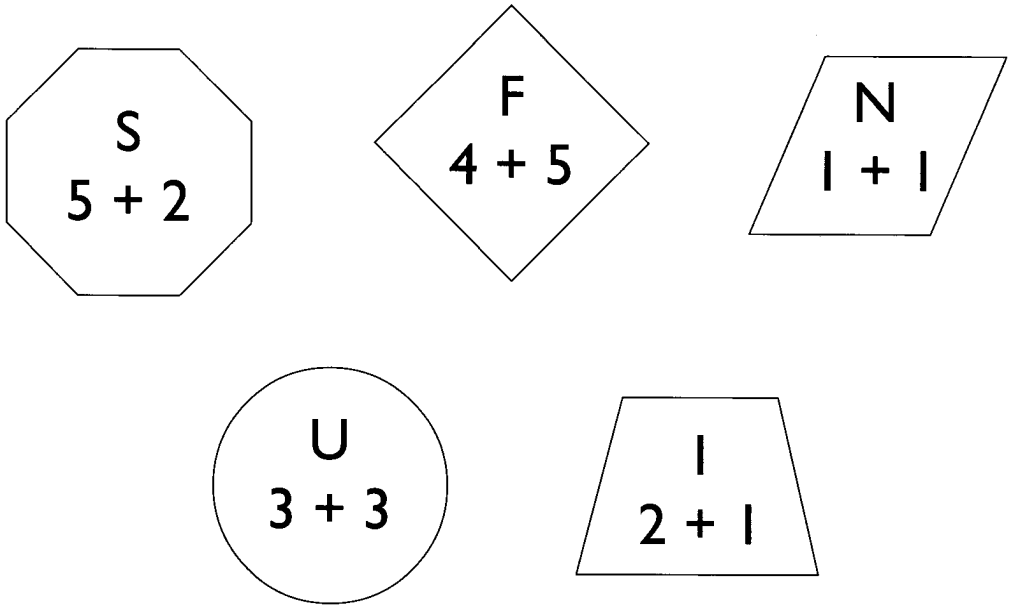
Exercise one

1. Subtract. Then color in this way:

   1- blue 2- orange 3 - red 4 - yellow 5 - green



9. Add. Then put the letter in the box with the correct number.



MATHEMATICS

3	7

9	6	2

!

10. Fill in the blanks.

(a) _____ + 3 = 10

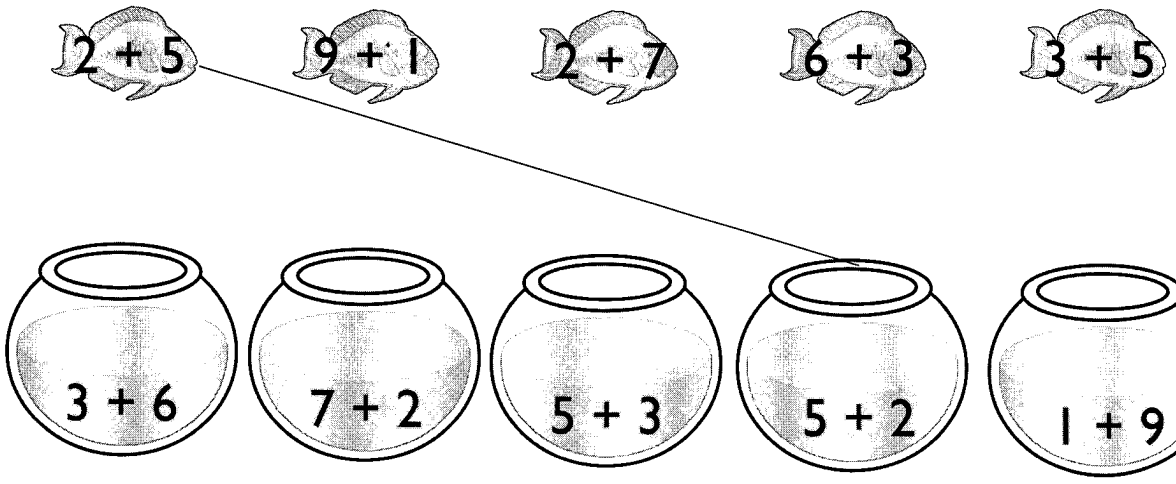
(b) 5 + _____ = 8

(c) 6 + _____ = 9

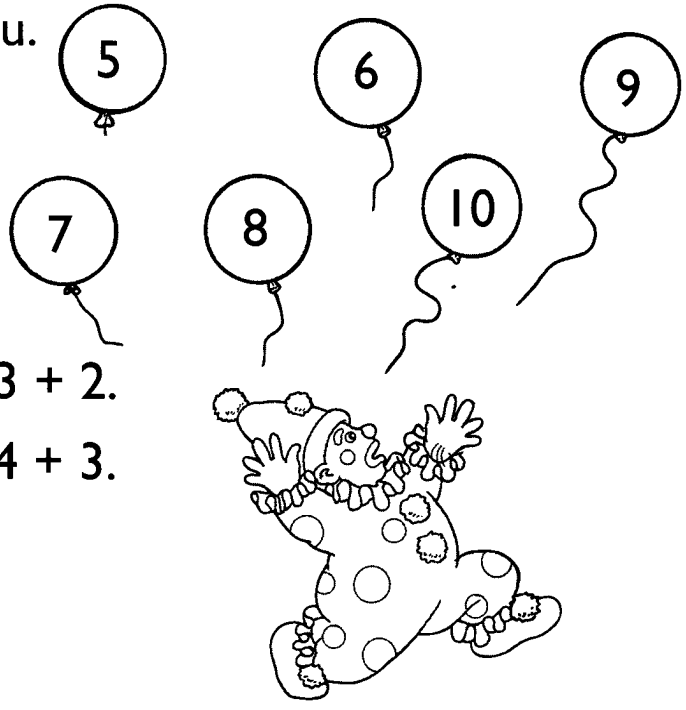
(d) _____ + 4 = 7

Exercise three

7. Match.



8. Find out what number I am.
The clues will help you.



Clues:

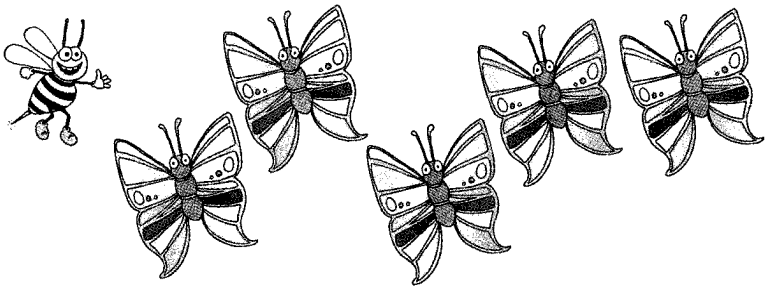
(a) I am greater than 3 + 2.

(b) I am smaller than 4 + 3.

I am _____.

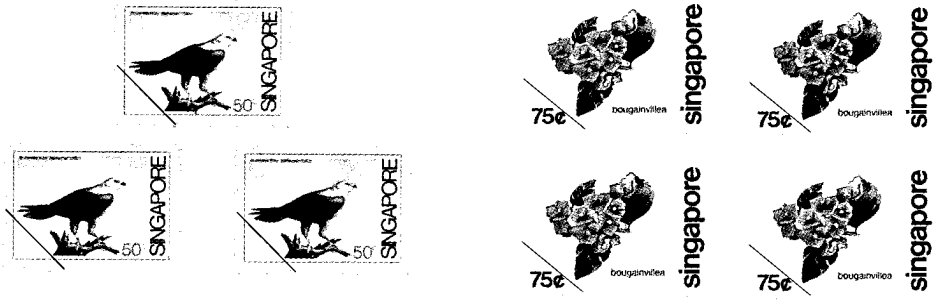
6. Look at the pictures and fill in the blanks.

(a)



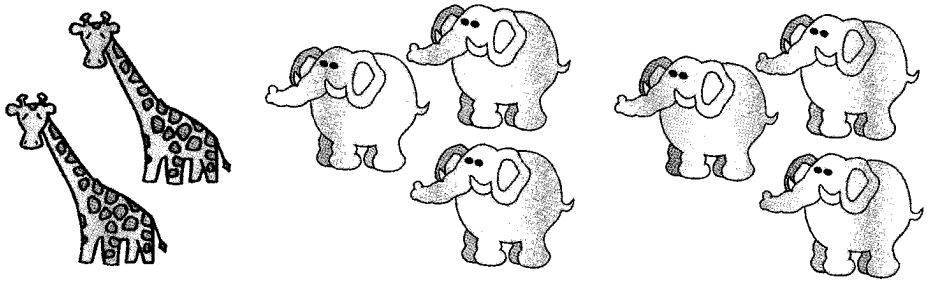
_____ bee and _____ butterflies make _____ insects altogether.

(b)



_____ stamps with birds and _____ stamps with flowers make _____ stamps altogether.

(c)



_____ giraffes and _____ elephants make _____ animals altogether.

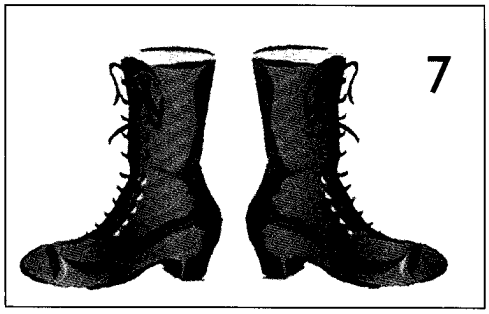
5. Match.

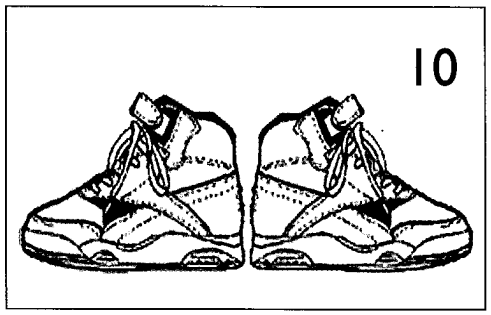
5 + 4
Ravi's feet

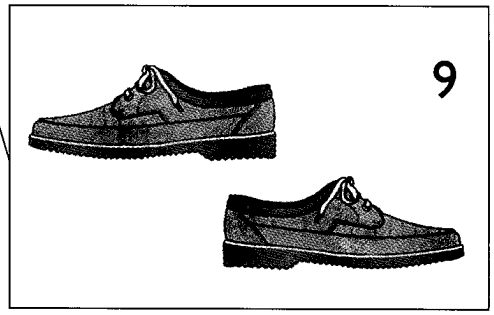
4 + 3
Kate's feet

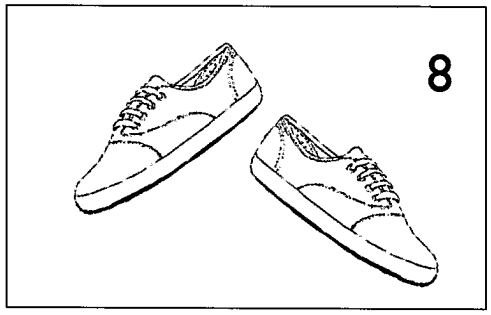
6 + 2
Mary's feet

3 + 7
Andy's feet

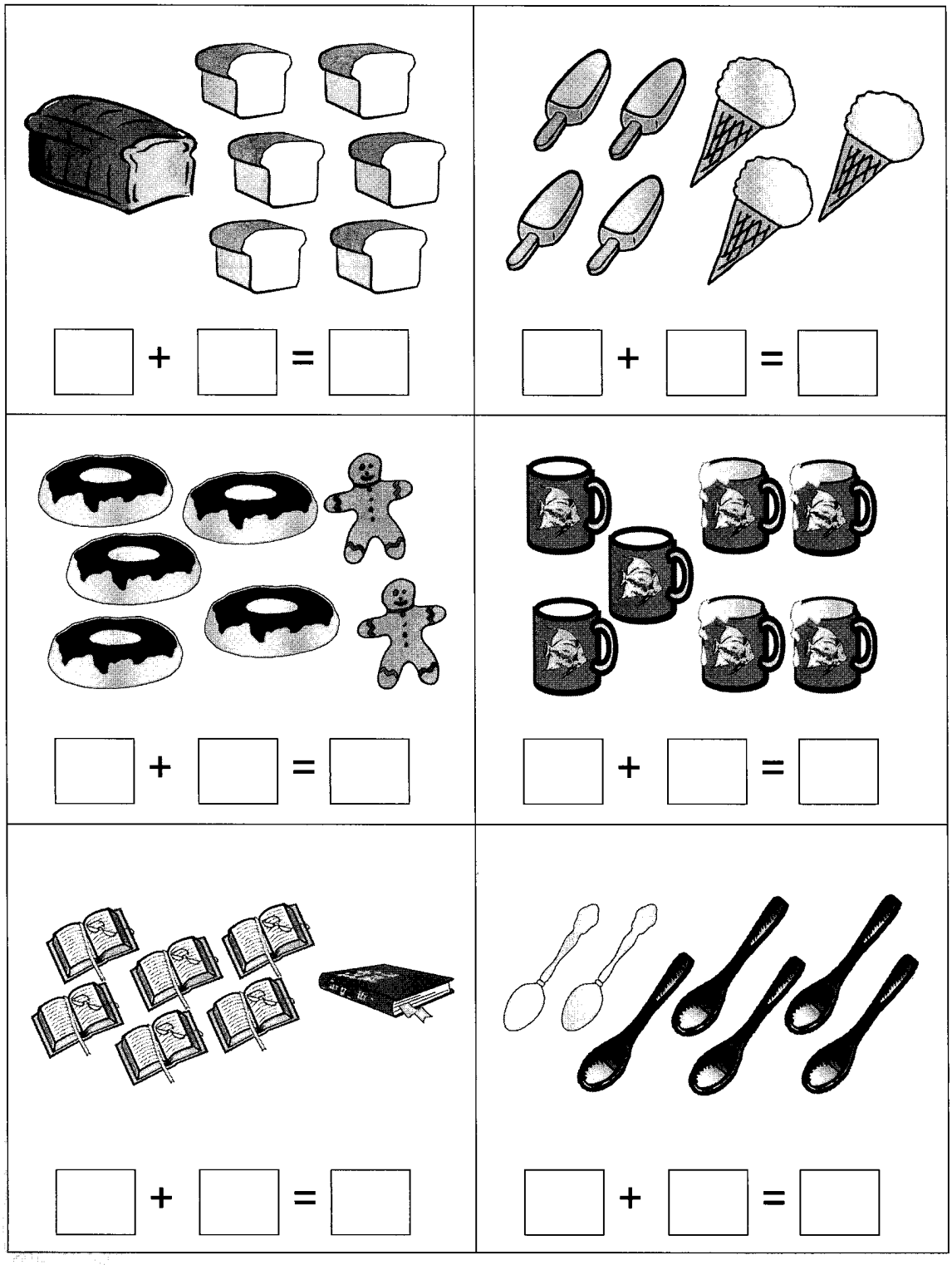




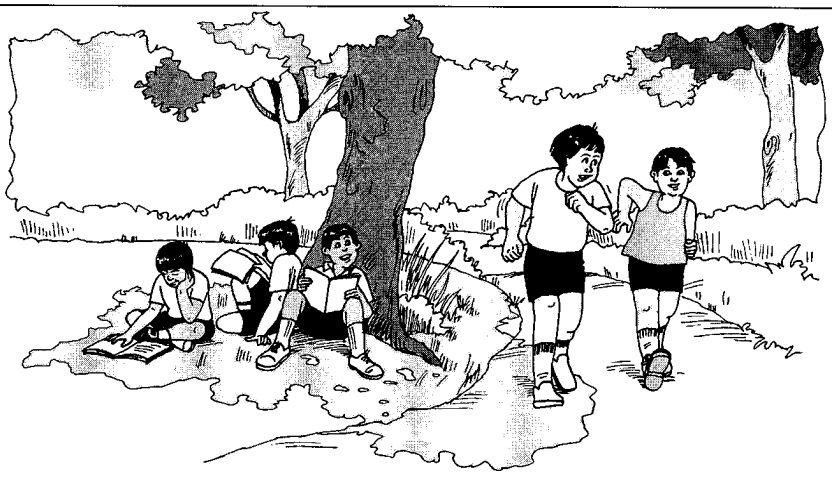




4. Write addition sentences for these groups of 7 objects.

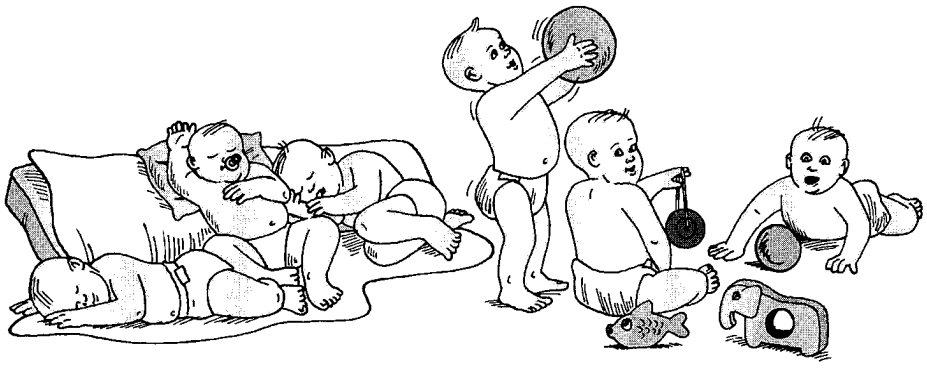


(b)



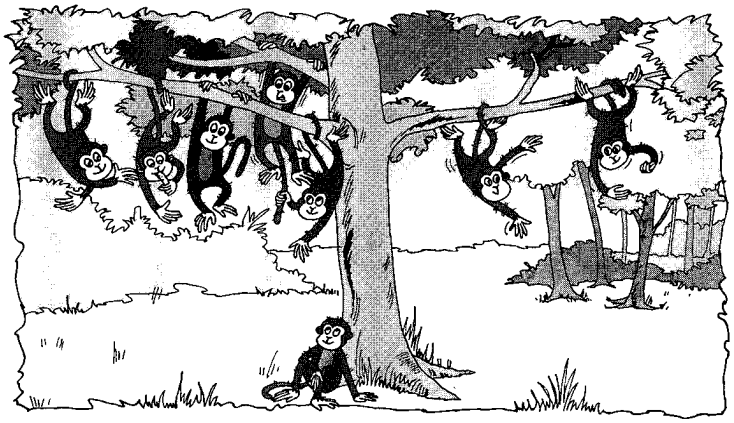
☐ + ☐ = ☐

(c)



☐ + ☐ = ☐

(c)



There are _____ monkeys in the tree.

There is _____ monkey on the ground.

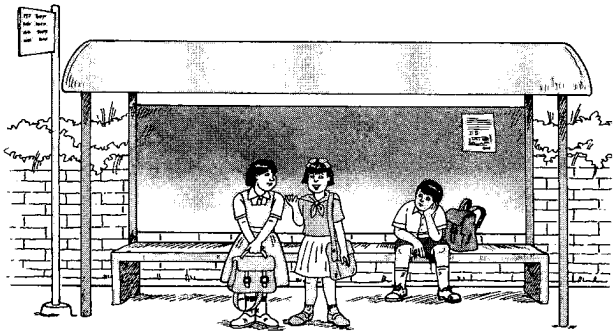
☐ + ☐ = ☐

There are _____ monkeys altogether.

Exercise two

3. Write a number story for each of the following pictures.

(a)



There is _____.

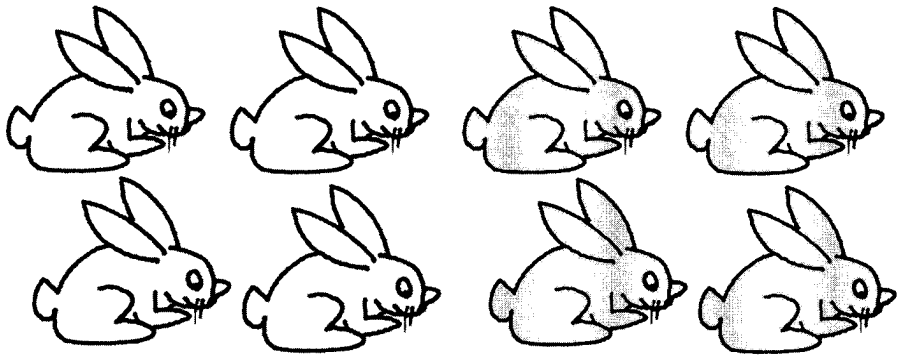
There are _____.

☐ + ☐ = ☐

There are _____.

2. Fill in the blanks.

(a)



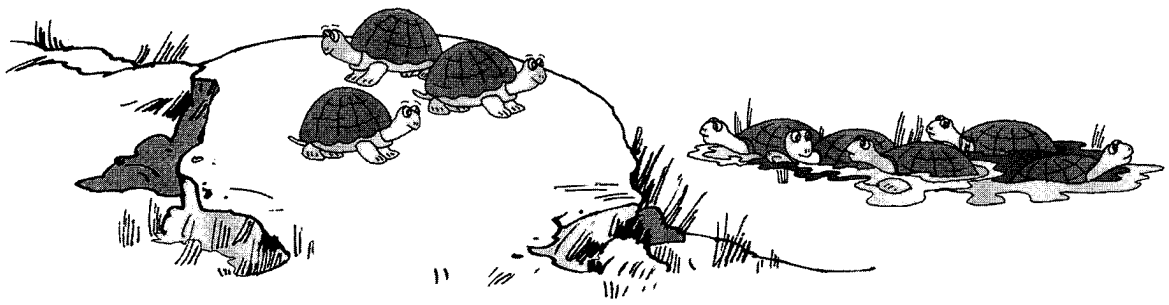
There are _____ grey rabbits.

There are _____ white rabbits.

☐ + ☐ = ☐

There are _____ rabbits altogether.

(b)



There are _____ tortoises in the water.

There are _____ tortoises on the rock.

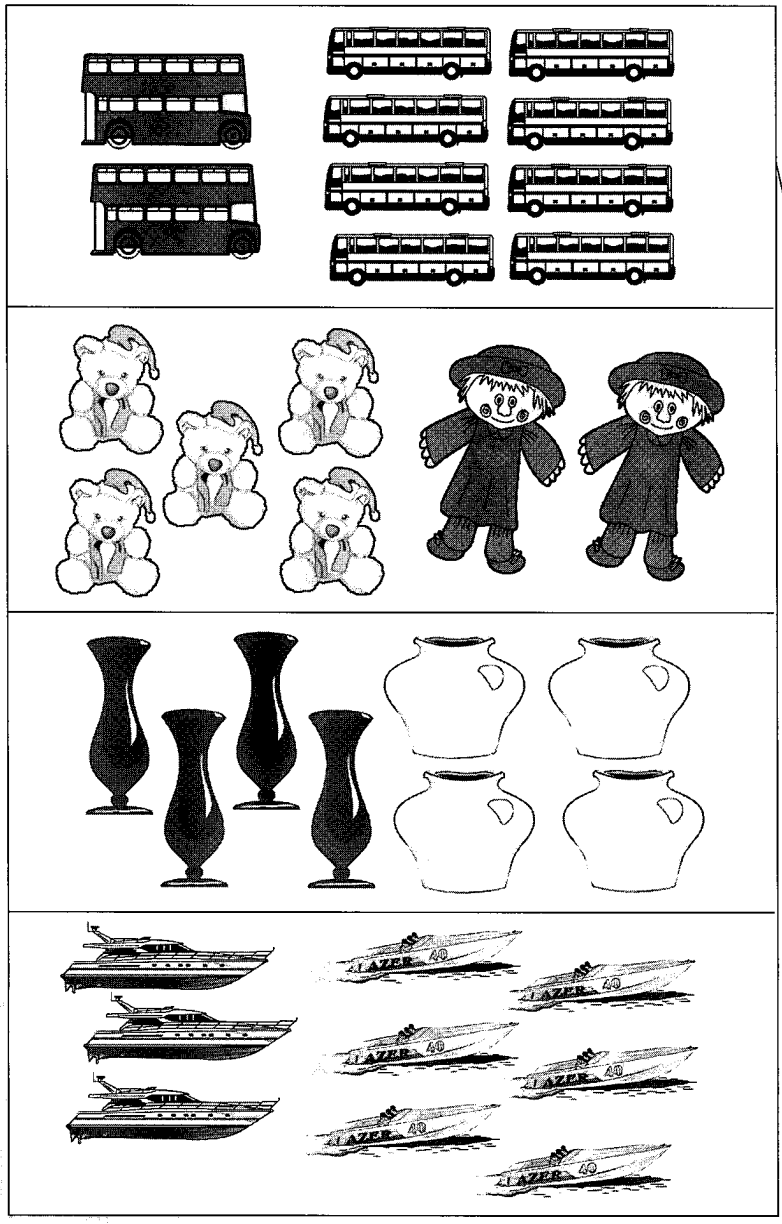
☐ + ☐ = ☐

There are _____ tortoises altogether.

Addition

Exercise one

1. Match.



5 + 2

3 + 6

2 + 8

4 + 4

Down

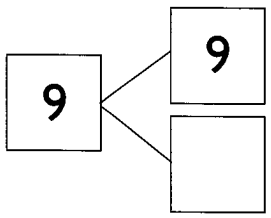
(f) 5 sunflowers and _____ roses make 10 flowers.

(g) 1 more than 8 is _____.

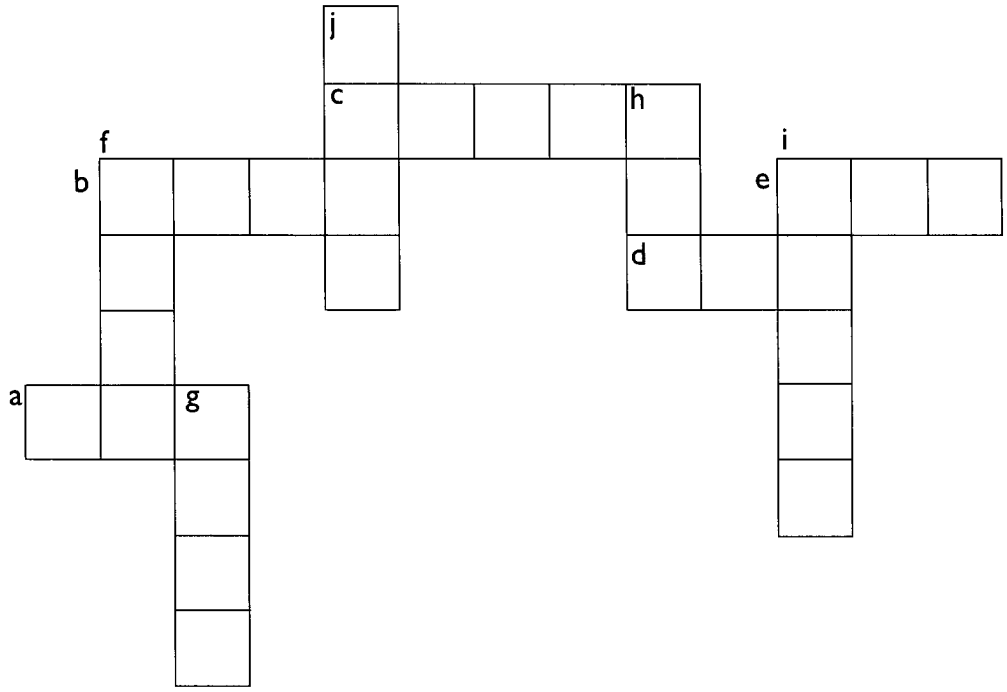
(h) Devi buys 6 stamps. How many more stamps must Pam buy so that they have 8 stamps altogether?

(i) Jane has 3 dolls. Siti gave her 4 more dolls. How many dolls does Jane have now?

(j) Find the missing number in the number bond on the right.

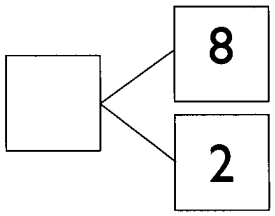


13. Do this puzzle by filling in the answers to the questions in words.



Across

(a) Find the missing number in the number bond on the right.



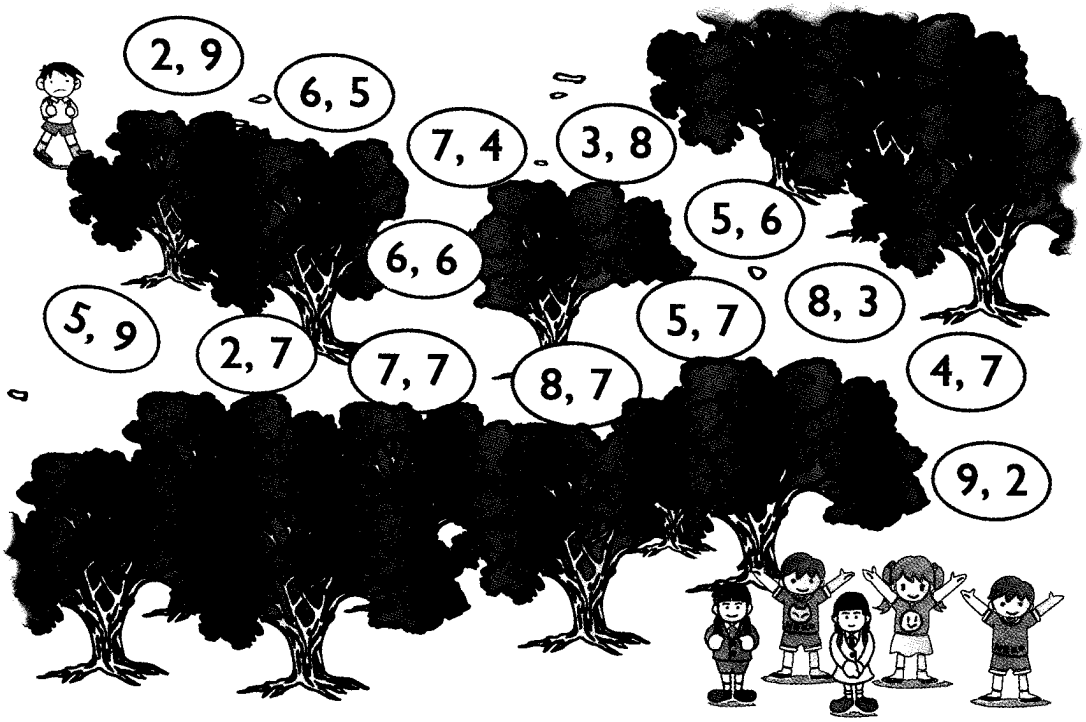
(b) _____ is 6 less than 10.

(c) 4 red balloons and 4 blue balloons make _____ balloons.

(d) There are 8 children in a lift. If there are 7 girls, how many boys are there?

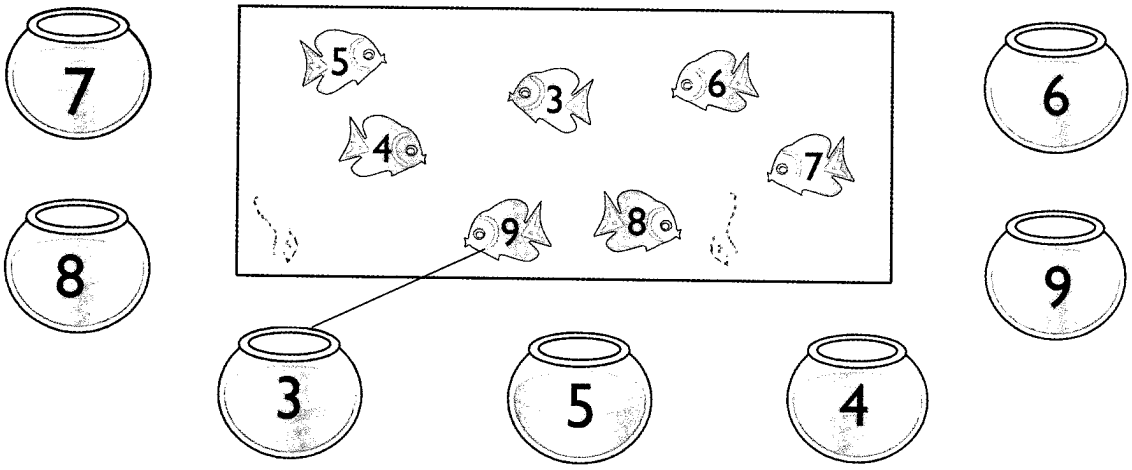
(e) Ravi has 1 frog, 3 cats and 2 rabbits. How many pets does he have altogether?

11. Help Jack to find his classmates by coloring the stones with number bonds of 11.

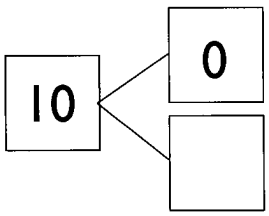


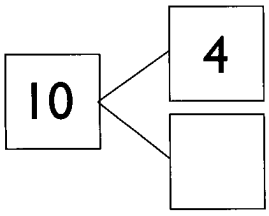
Exercise three

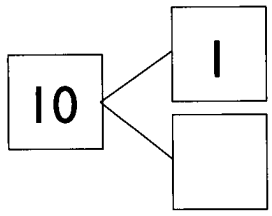
12. Match the numbers that make 12.

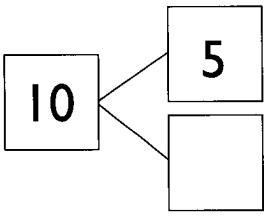


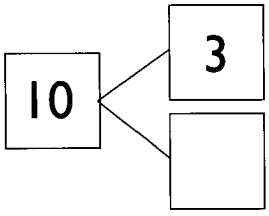
10. Look at the picture and complete the number bonds of 10.

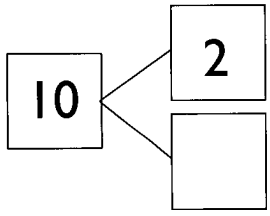




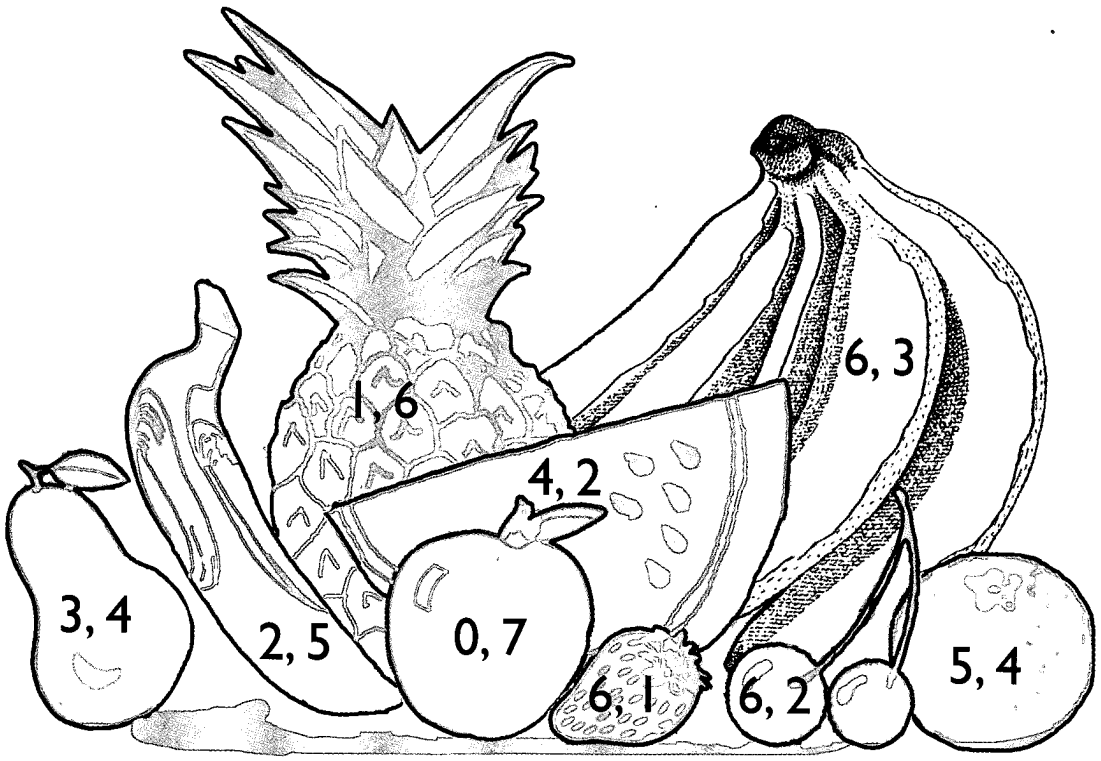


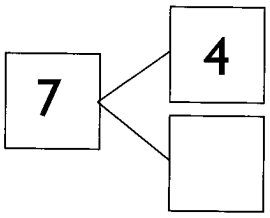


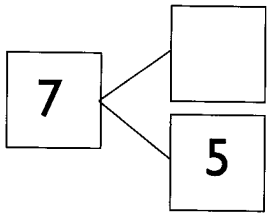


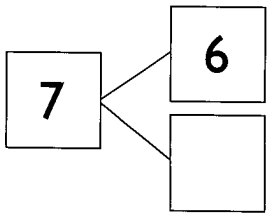


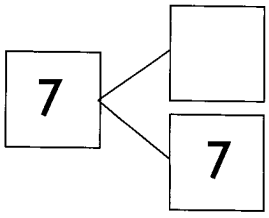
9. Color the fruits which show numbers that add up to 7. Then fill in the following number bonds.



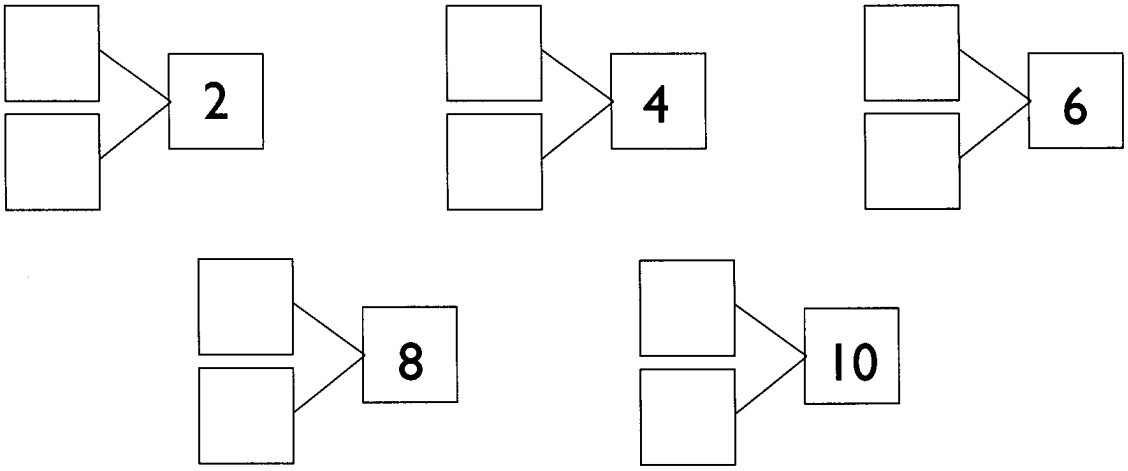






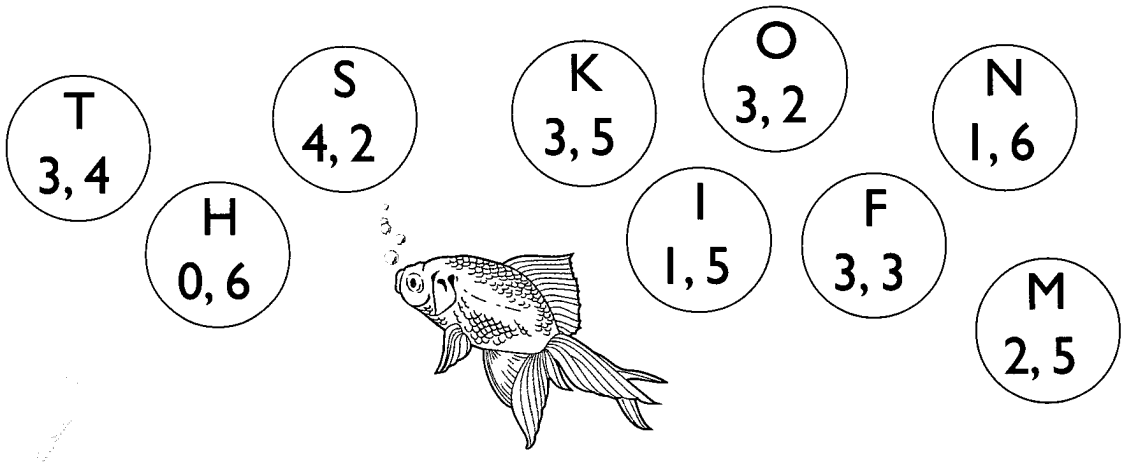


7. Can you fill in the boxes with 1, 2, 3, 4 or 5 to complete the number bonds below? You can use each number twice.



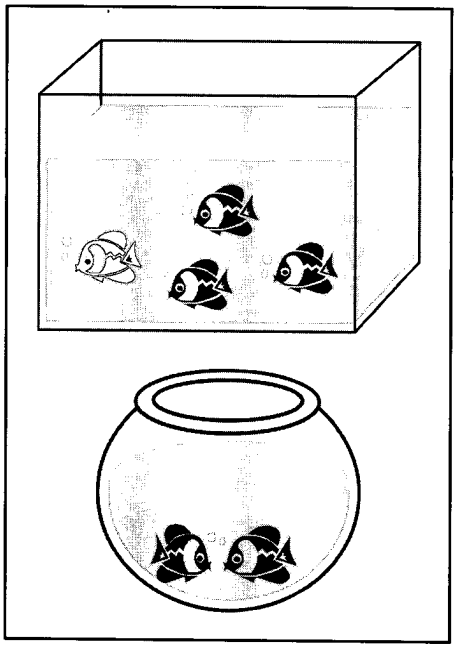
Exercise two

8. Color the balls which show the number bonds of 6. Then re-arrange the letters to form a word.



It is a _____ .

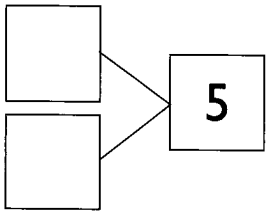
4. Look at the picture.

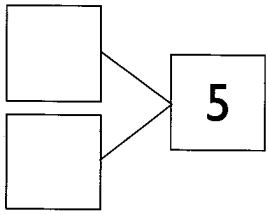


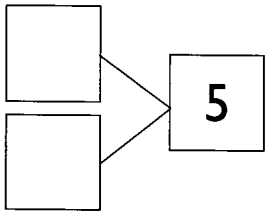
(a) Make a number story of 6.

(b) Make a number story of 5.

5. Fill in the boxes with 0, 1, 2, 3, 4 or 5 to make number bonds of 5.







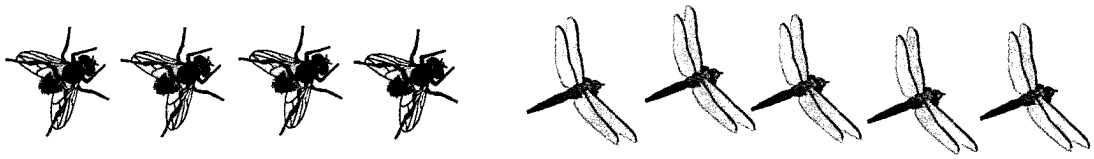
6. Complete the following sentences in words.

(a) Three and _____ make ten.

(b) Two and _____ make ten.

(c) Three and _____ make nine.

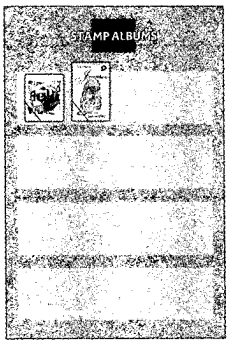
(d) Two and _____ make three.



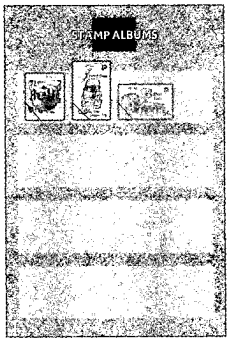
_____ houseflies and _____ dragonflies make 9 insects.

_____ bees and _____ grasshoppers make 9 insects.

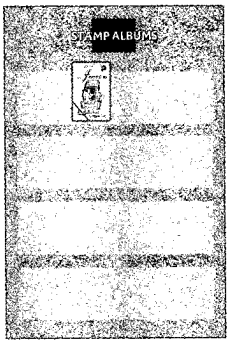
3. Andy, Mei Ling, Ravi, Minghua and Hassan each want to collect 8 stamps. Draw the missing number of stamps in their albums.



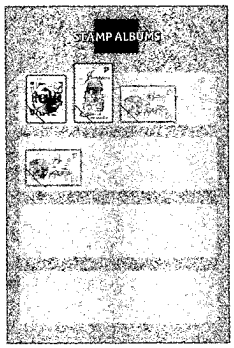
Andy



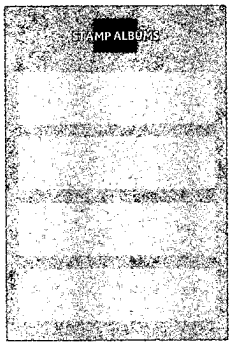
Mei Ling



Ravi



Minghua

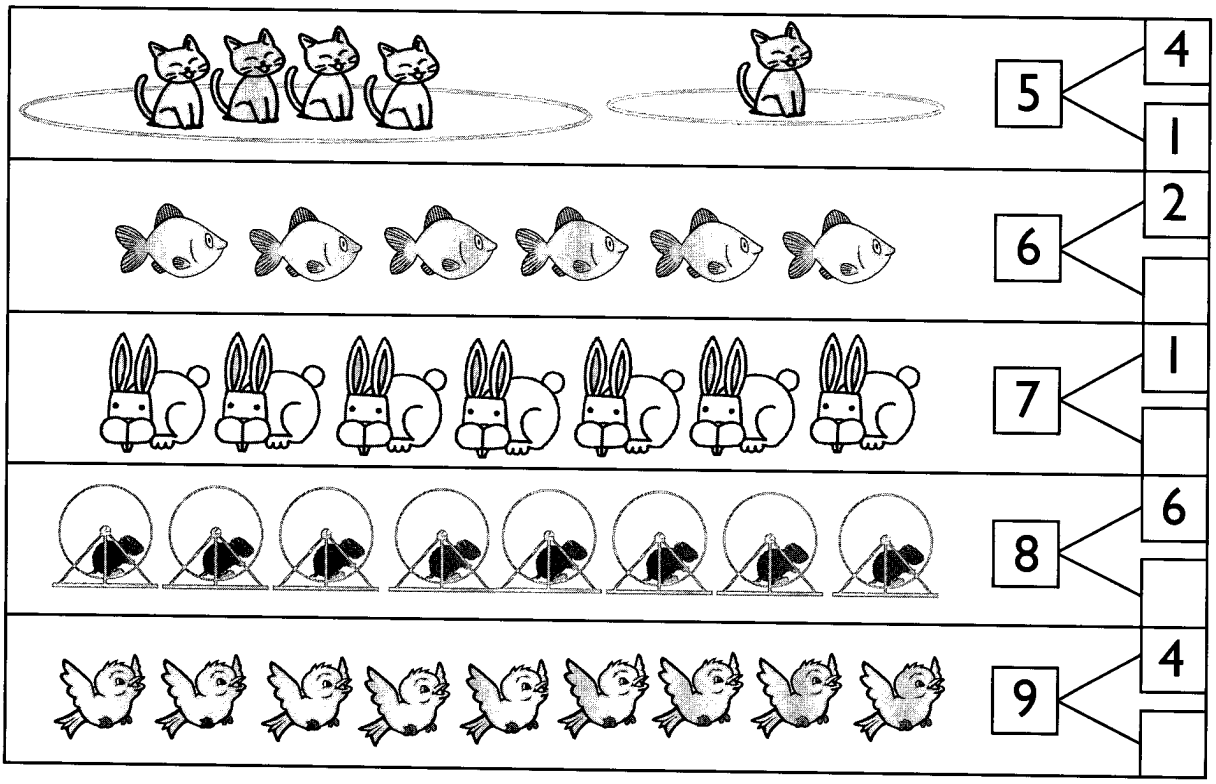


Hassan

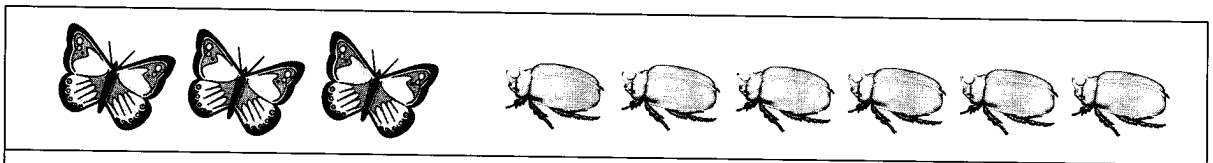
Number Bonds

Exercise one

1. Put each set into 2 groups and fill in the missing numbers in the number bonds.



2. Write number stories of 9.



_____ butterflies and _____ beetles make 9 insects.

15. Fill in the blanks with the correct answer.

(a) ☐ is 3 less than 8.

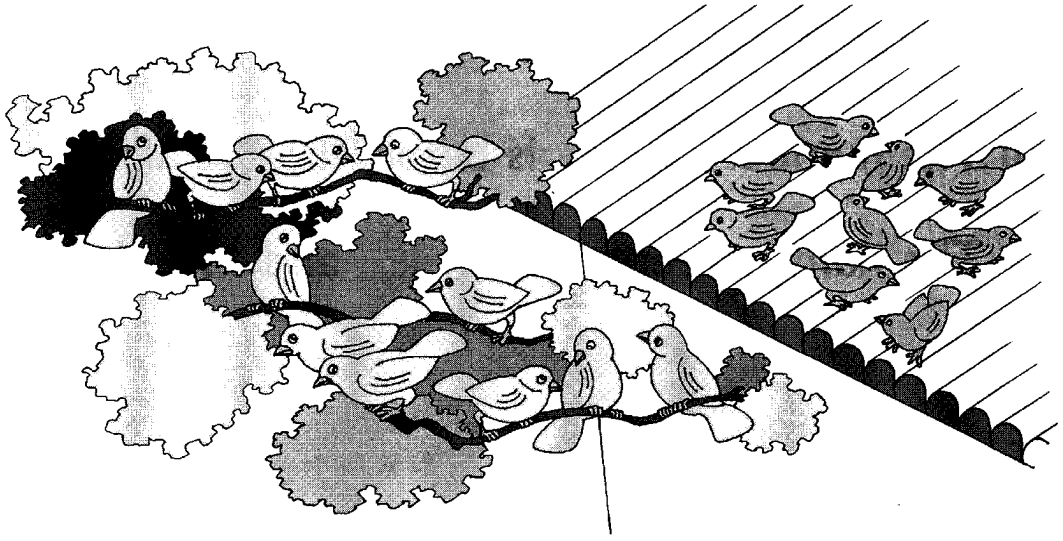
(b) ☐ is 4 more than 13.

(c) ☐ is 6 less than 13.

(d) ☐ is 6 more than 6.

(e) ☐ is 5 less than 5.

16. Look at the picture and answer the questions below.



(a) How many birds are there altogether? ☐

(b) Are there more birds on the roof or in the tree? How many more birds are there?

12. Guess the numbers.

Number A	Number B
• More than 15	• Less than 9
• Less than eighteen	• Greater than four
• Name starts with 'si'	• Name ends with 't'

Number A is _____. Number B is _____.

13. Fill in the blanks.

(a) The number between 6 and 8 is _____.

(b) The number _____ is before 12 and after 10.

(c) The number between _____ and 19 is 18.

Exercise three

14. Complete the number patterns.

_____ ,19,18, _____ , _____ 15,14, _____

_____ , fourteen, _____ , _____ , _____ , ten

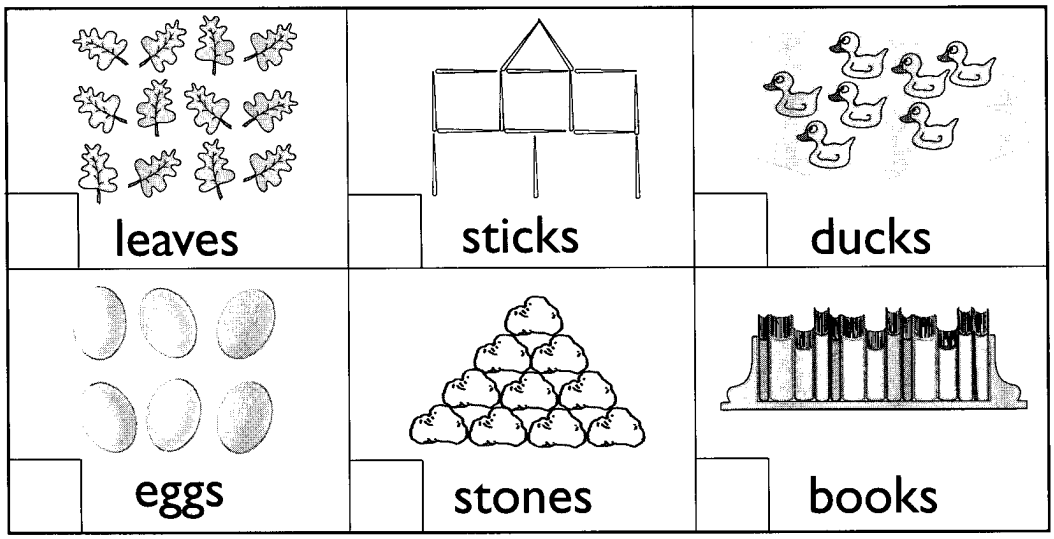
9. Name the number between:

(a) 6 and 8 _____ (d) 9 and 11 _____

(b) 0 and 2 _____ (e) 18 and 20 _____

(c) 13 and 15 _____ (f) 14 and 16 _____

10. Write the number of things in each group in the box.



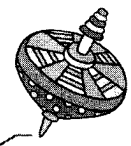
11. Arrange these numbers in order.

(a) Beginning with the smallest:

11 9 20 17 12

_____, _____, _____, _____, _____.

smallest greatest

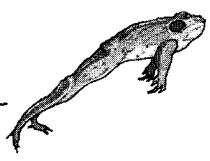


(b) Beginning with the greatest:

13 3 8 16 7

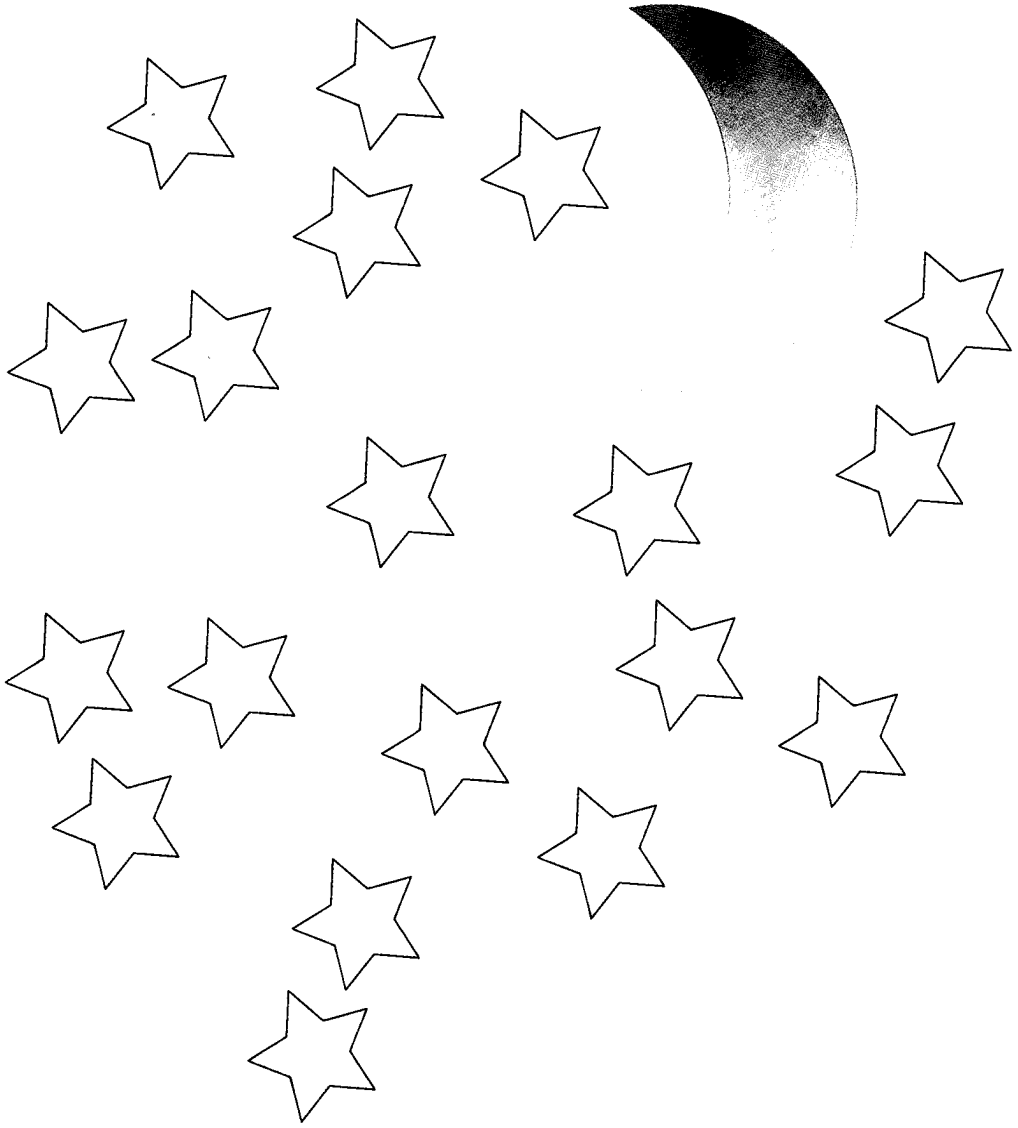
_____, _____, _____, _____, _____.

greatest smallest



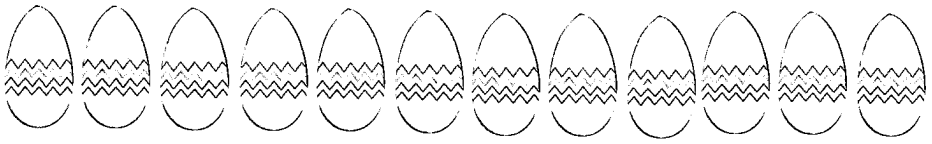
Exercise two

8. How many stars are there altogether? Color 10 stars yellow and 7 stars blue.

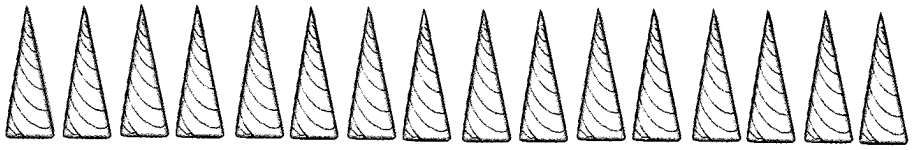


There are _____ stars altogther.

5. Color the correct number of things.

(a)  9

(b) 14

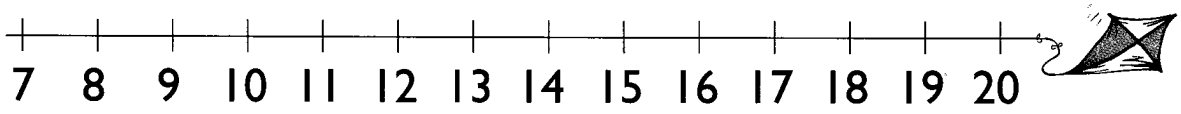
(c)  15

6. Complete the number patterns.

(a) _____, nine, ten, _____, _____, thirteen

(b) _____ , 7, 8, 9, _____, _____, 12, 13, _____

7. Look at the number line and fill in the blanks with the correct answer.

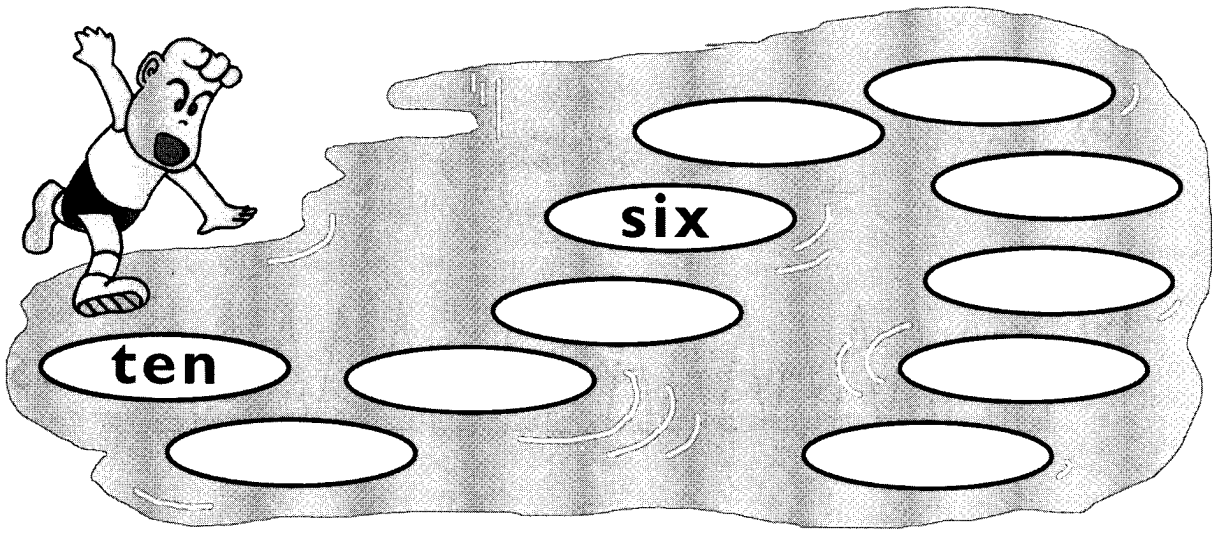


(a) The number just after eight is _____.

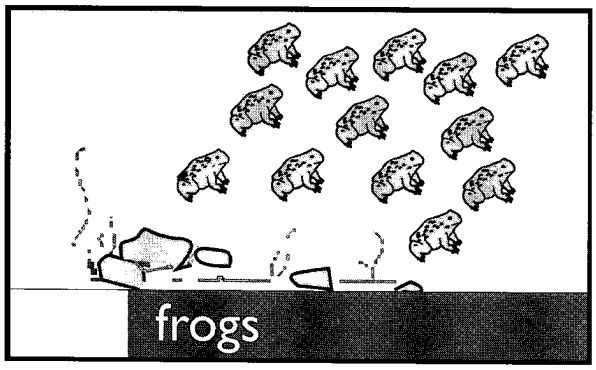
(b) _____ is just before 13.

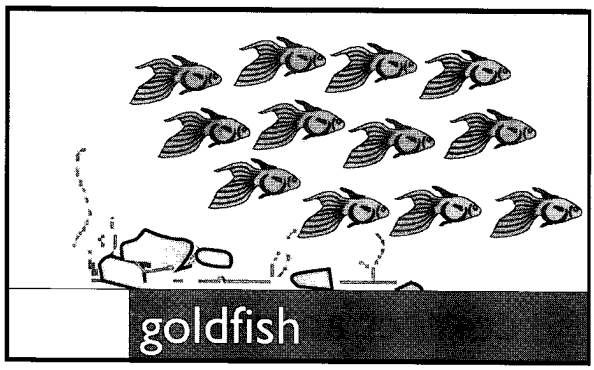
(c) The number between 16 and 18 is _____.

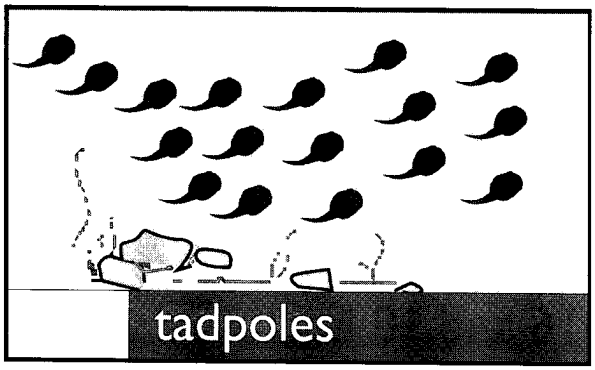
3. Count down to zero and write the correct numbers below.

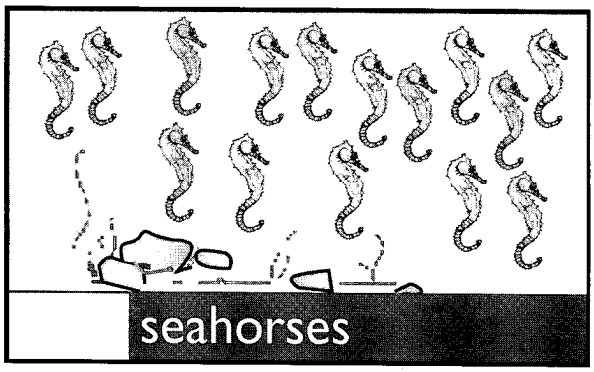


4. Count and write the number of things in each tank.



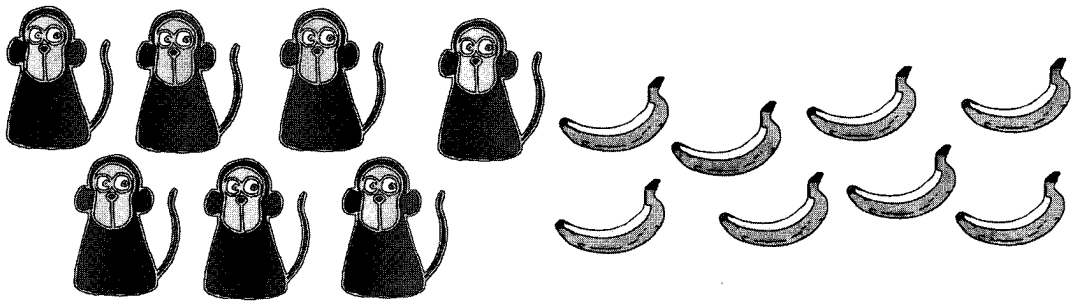






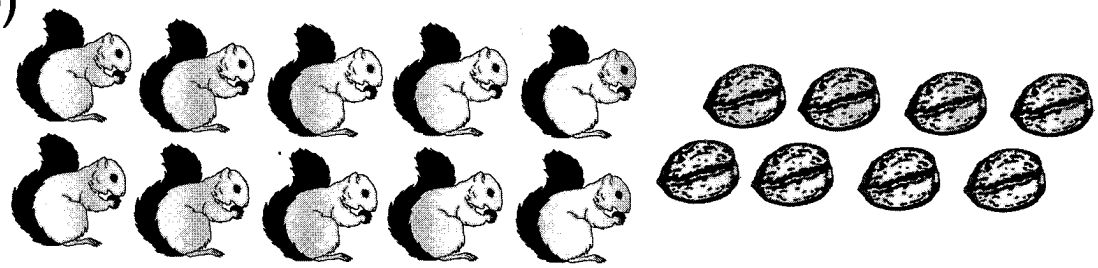
2. Write 'more' or 'fewer' in the blanks.

(a)



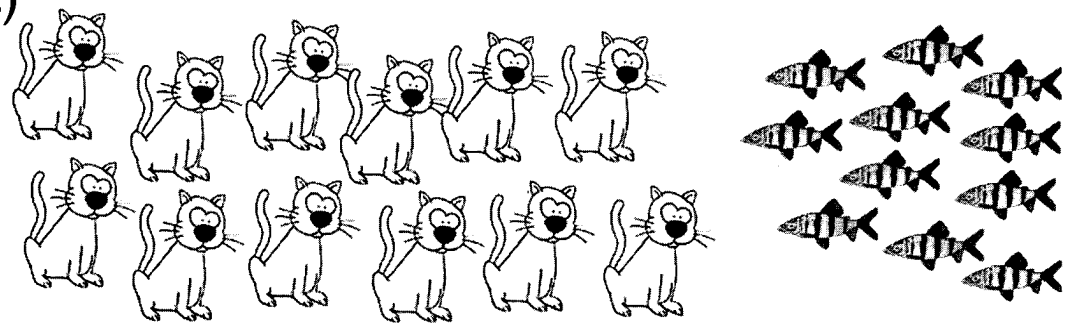
There are _____ monkeys than bananas.

(b)



There are _____ nuts than squirrels.

(c)

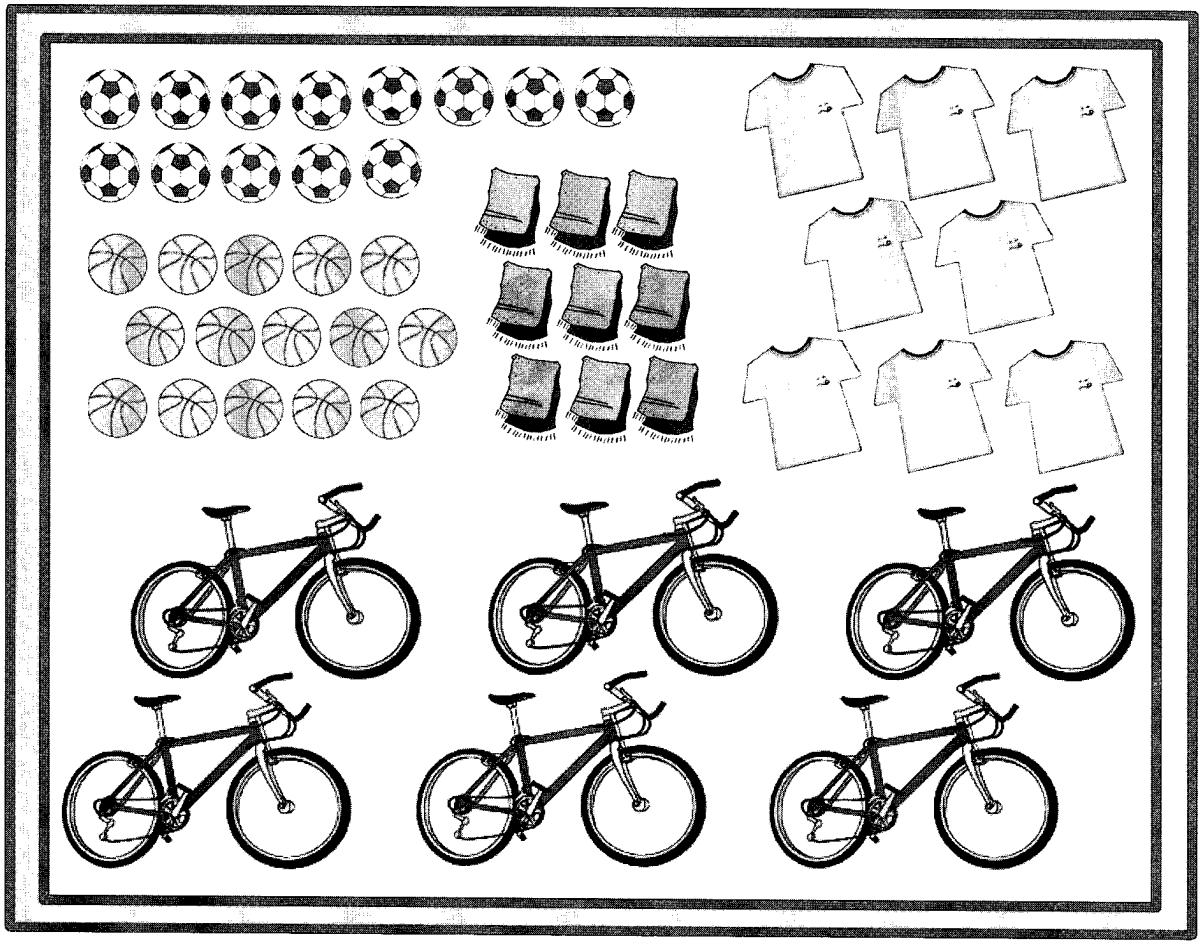


There are _____ cats than fish.

Numbers To 20

Exercise one

1. Count and write the number of things in the shop window.



There are _____ soccer balls, _____ basketballs, _____ bicycles, _____ T-shirts and _____ towels in the shop window.

Subtraction **27**

Exercise one ---------- *27*

Exercise two ---------- *31*

Exercise three ---------- *33*

Addition and Subtraction Within 20 **36**

Exercise one ---------- *36*

Exercise two ---------- *39*

Exercise three ---------- *42*

Let's Revise! **45**

Exercise one ---------- *45*

Exercise two ---------- *49*

Exercise three ---------- *51*

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Exercise three _____ *15*

Addition **18**

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Exercise two _____ *20*

Exercise three _____ *25*

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