

McLean School

Summer Math Assignment Rising Grade 1

Dear Mathematician,

Happy Summer!

Welcome to your Summer Math Assignment. Please try your best to complete a little bit each week. We recommend completing four pages a week over the course of the summer months. The first section of the workbook should feel like a review. There are no new concepts, only old friends from this past year of learning. This is your opportunity to shore up your skills and get a bit of extra practice. To help freshen your memory, there are teaching pages that provide step-by-step guidance and examples. The second section provides optional extension activities for more challenging work. In the third section, you will find games to play over the summer. The final section has templates and graph paper to use if you need them.

First, try solving the problems on your own. If you need help, you may ask someone to help you solve the problem. Always show your work - even if you did the math in your head!

Some of these exercises will feel easier than others. Remember to persevere, explore, make mistakes, and grow your brain. You can do it!

Be gentle with yourself, mathematician. Take your time as you complete this workbook. Please return this workbook to your homeroom teacher by Friday, September 13. If you have questions, please contact Michelle FitzGerald, Coordinator of Learning Services and Assistant Head of Lower School, at mfitzgerald@mcleanschool.org.

See you in September and have a fabulous, Mathematical Summer!

Mrs. Peters
K-4 Math Specialist

PRACTICE

Circle the numbers that are less than 5.



2 4 3 1

6 8 9

0 5 7

Compare and color.



8 is

greater than

the same as

less than

4.



9 is

greater than

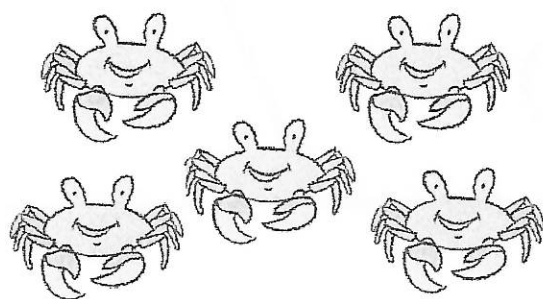
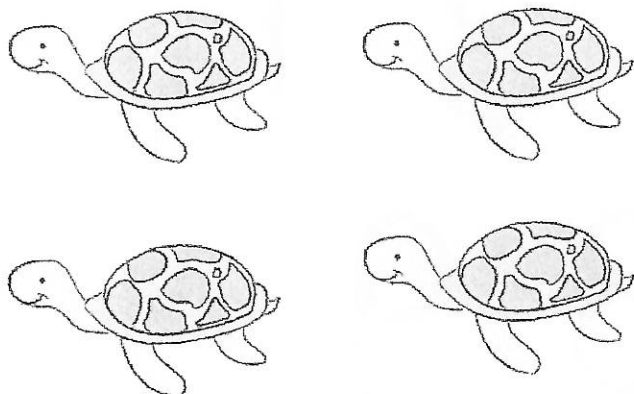
the same as

less than

9.

Write each number.
Circle the group that has 1 more.

10



Fill in each blank.



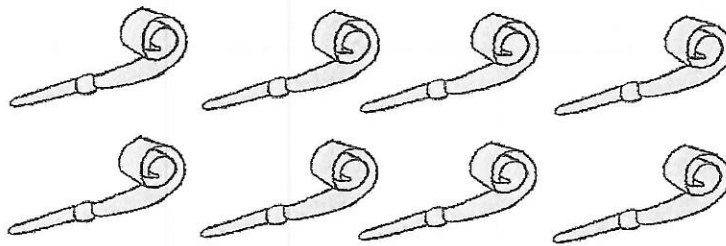
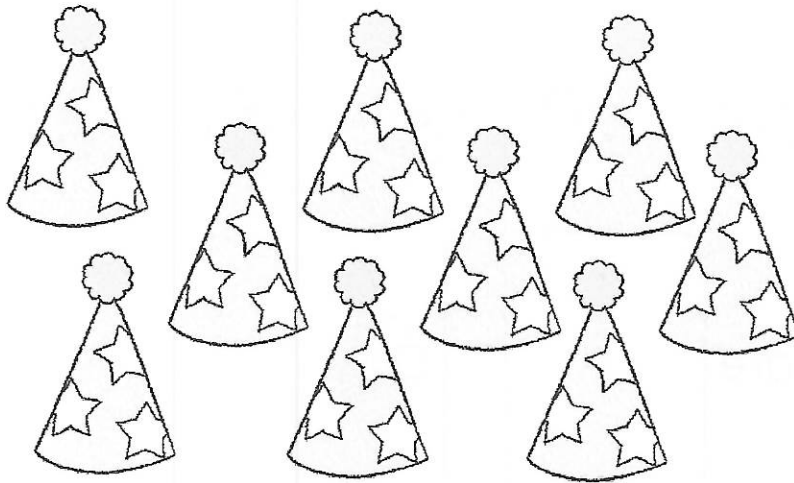
_____ is 1 more than 4.



_____ is 1 less than 5.

Write each number.
Circle the group that has 1 less.

13



Fill in each blank.

14

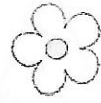
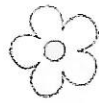
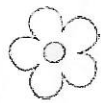
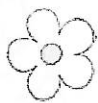
1 less than 9 is _____.

15

_____ is 1 less than 9.

Count.
Write.
Draw.

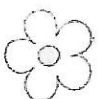
16



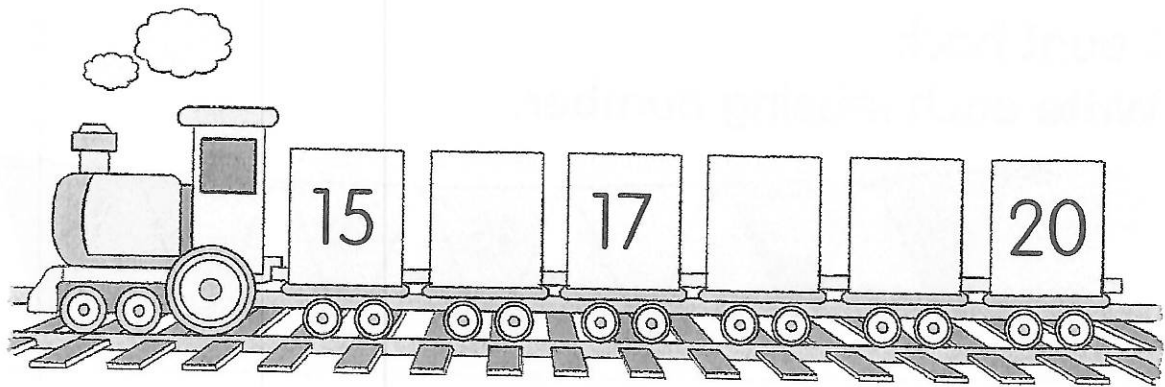
a There are



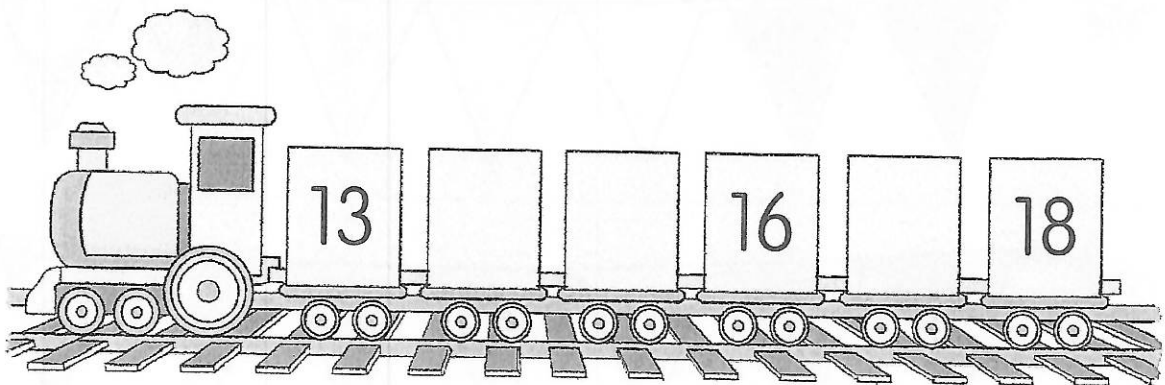
b Draw  to show 1 more.

c How many  did you draw?

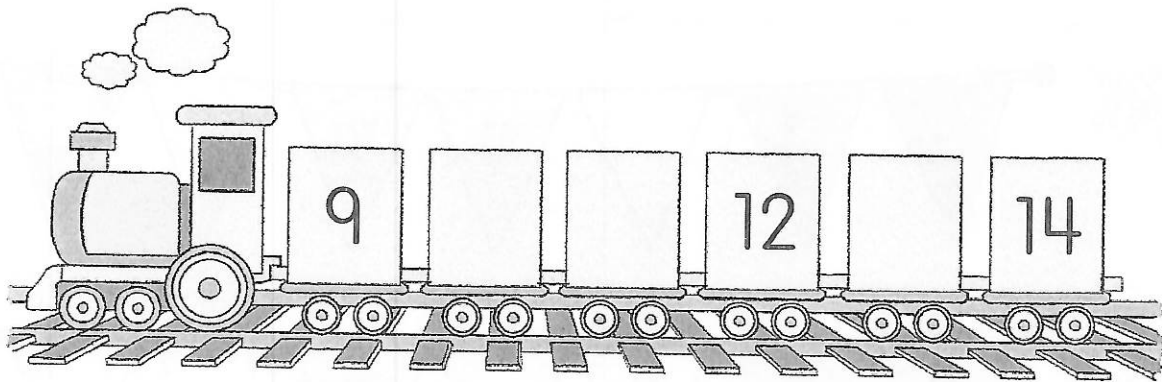
3



4



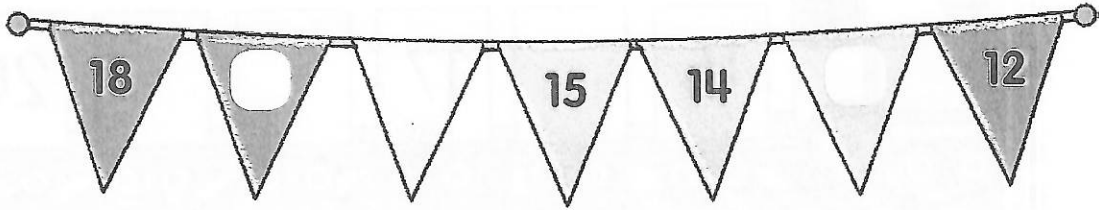
5



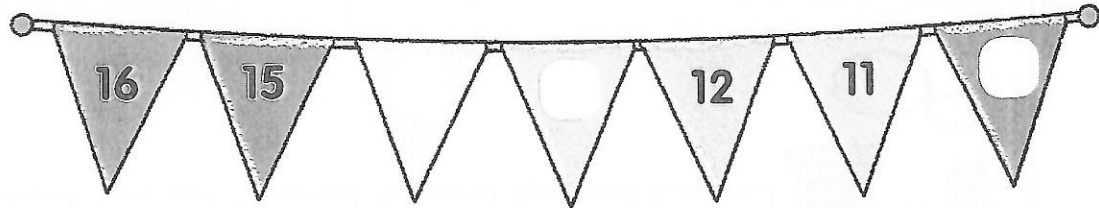
Count back.

Write each missing number.

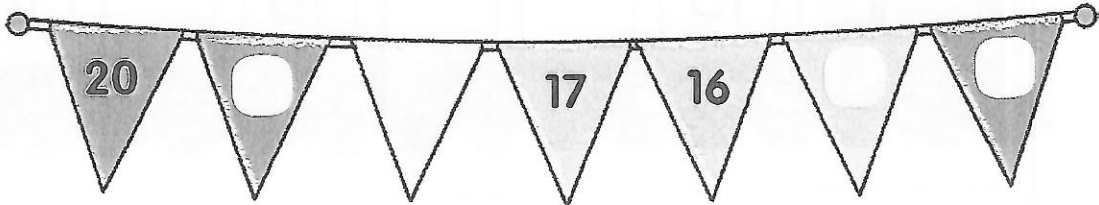
6



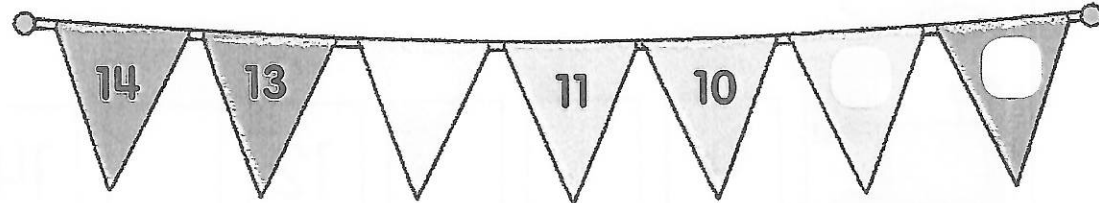
7



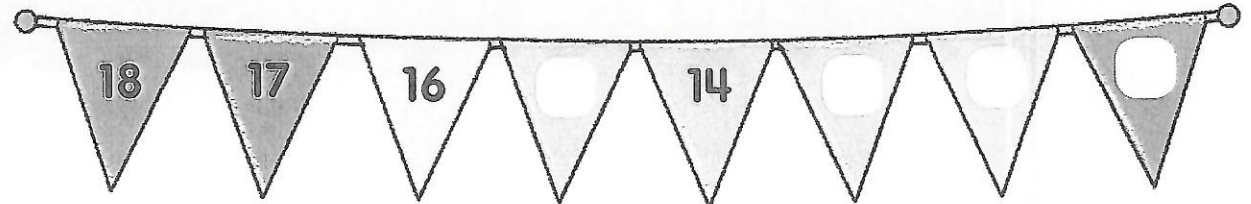
8



9



10





Chapter

6

Extra Practice and Homework Numbers to 20

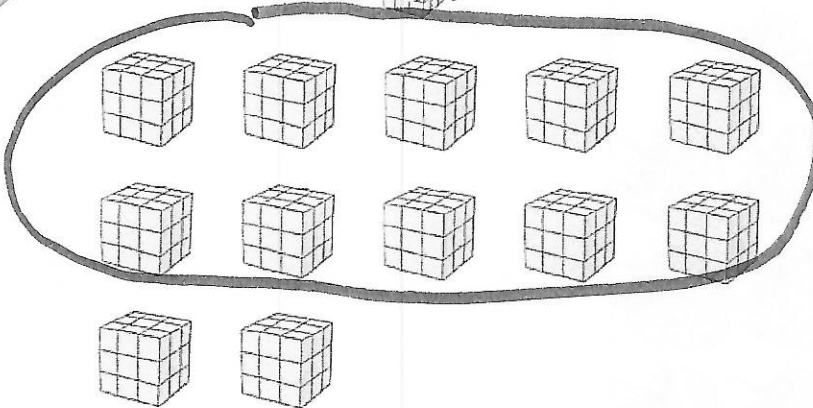
Activity 5 Take Apart Numbers to 20

Circle to make a 10.

Fill in each blank.

1

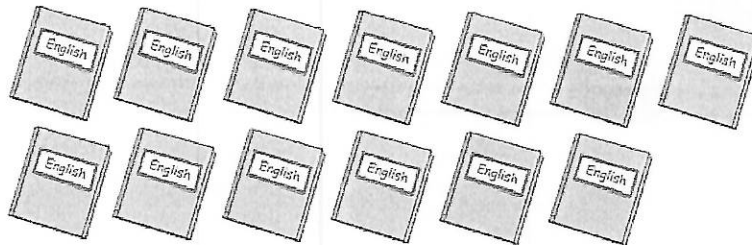
There are 12 .



12 is 10 and 2.


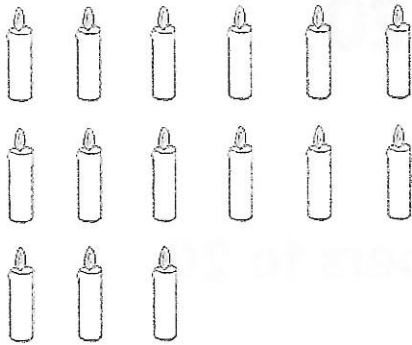
2

There are 13 .



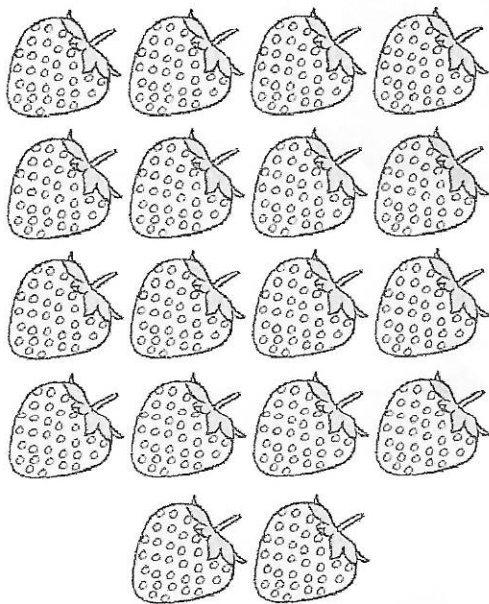
13 is _____ and _____.

3

There are 15 .

15 is _____ and _____.

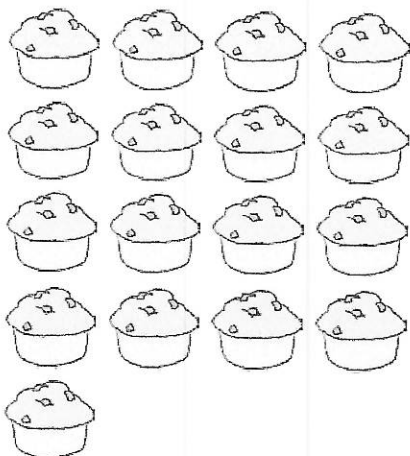
4

There are 18 .

18 is _____ and _____.

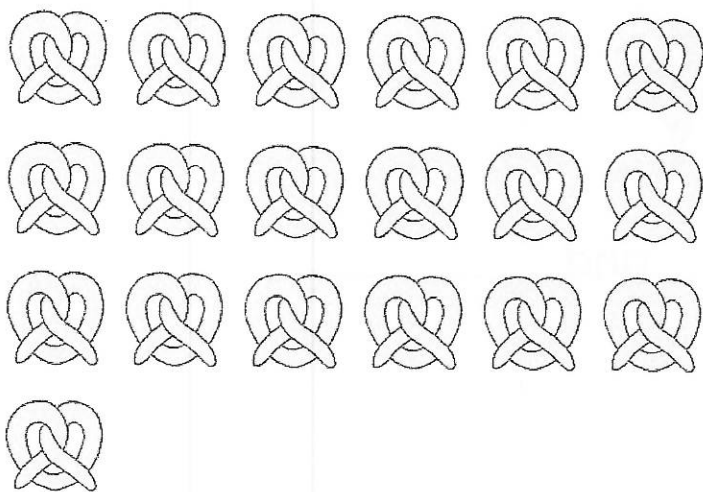
5

There are 17 .

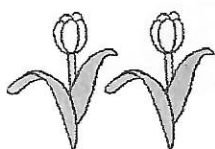
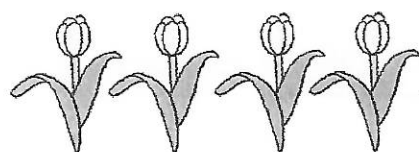
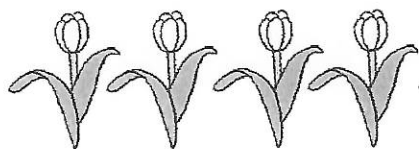


17 is _____ and _____.

6



19 is _____ and _____.



20 is _____ and _____.



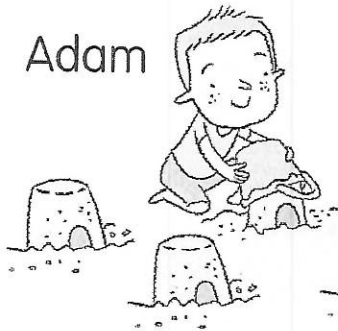
Extra Practice and Homework Addition

Activity 1 Addition Stories

Use each picture to make an addition story.
Fill in each blank.



Adam




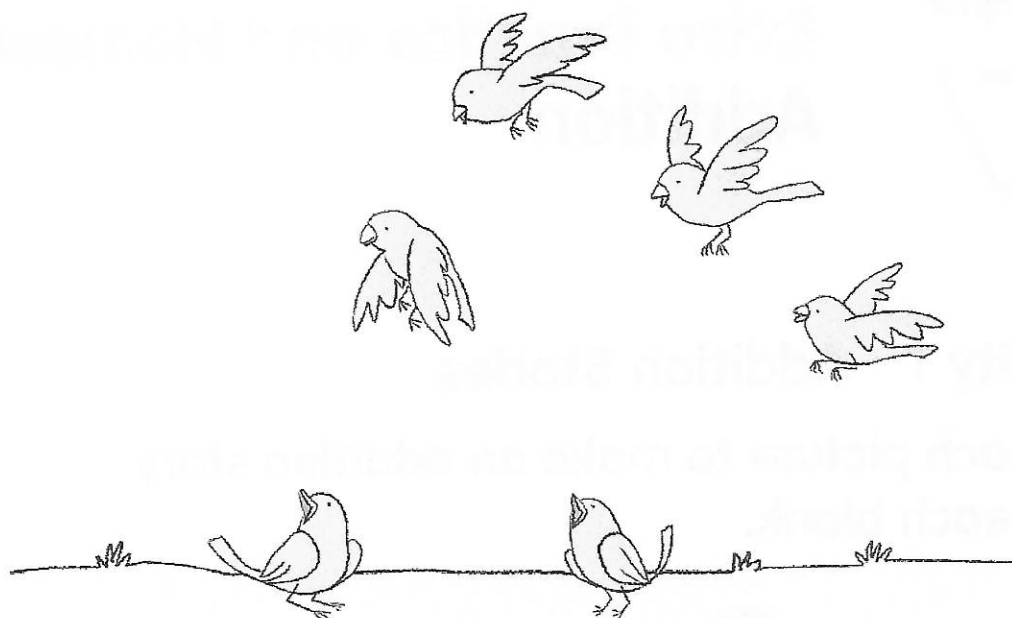
Sarah




Adam builds 3 

Sarah builds _____ 

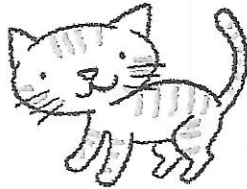
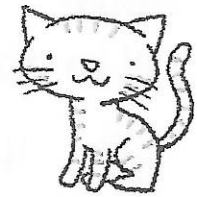
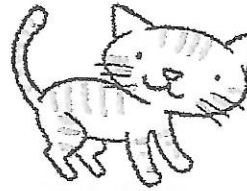
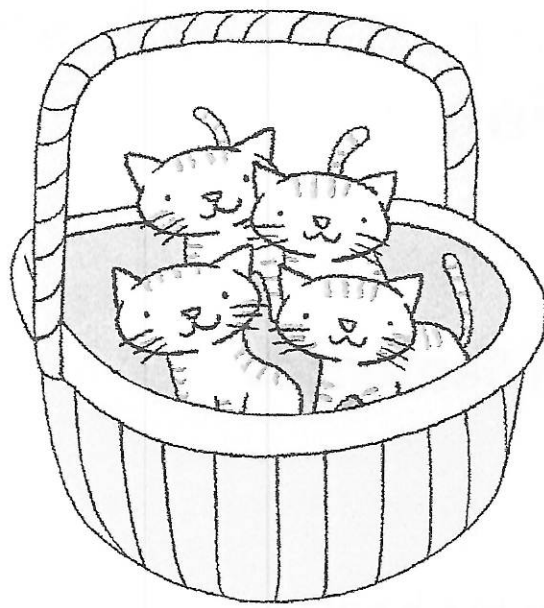
Adam and Sarah build _____  in all.



_____  are on the ground.


_____  join them.

There are _____  in all.



_____  are in the .

_____  are **not** in the .

There are _____  in all.



Extra Practice and Homework Addition

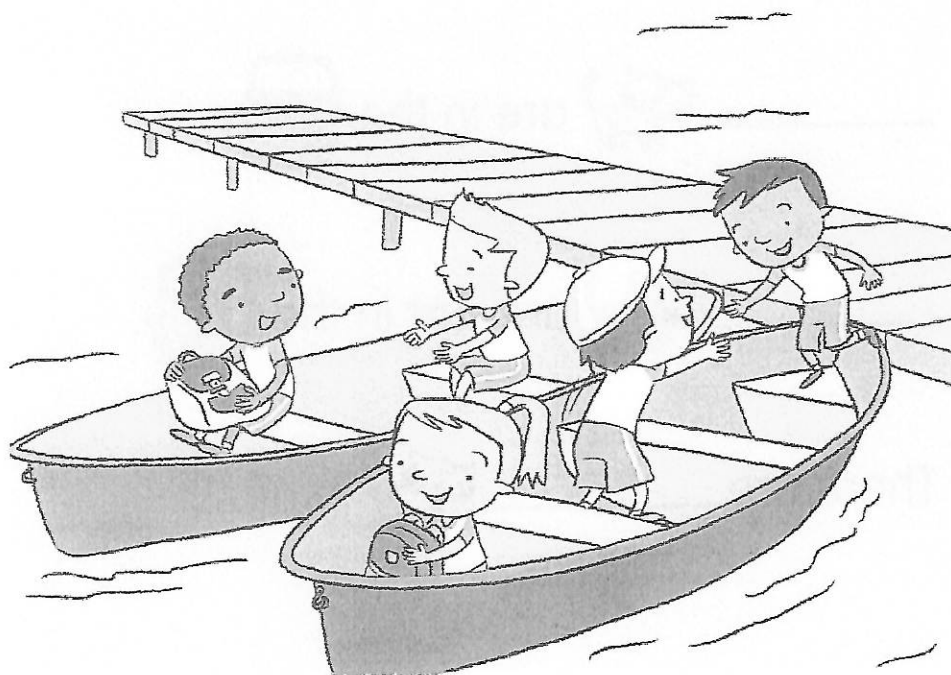
Activity 5 Addition Sentences

Solve.

Fill in each blank.



4 children are on the boats.
1 boy is getting onto the boat.
How many children are there in all?



$$4 + \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

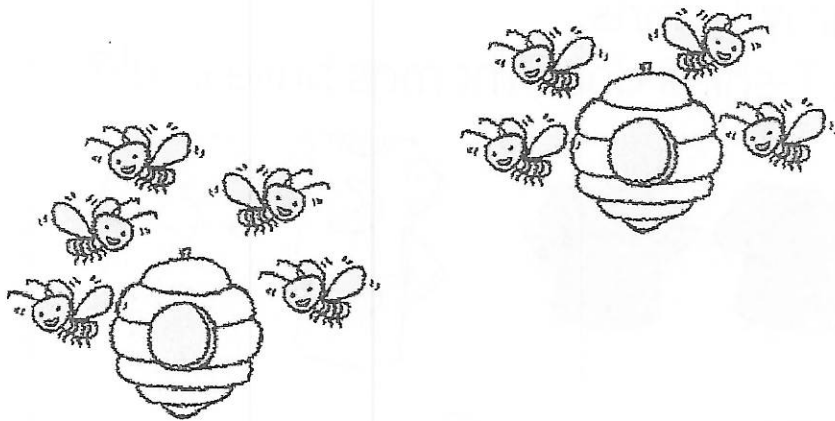
There are children in all.

2

5 bees are on a hive.

4 bees are on another hive.

How many bees are there in all?



$$5 + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

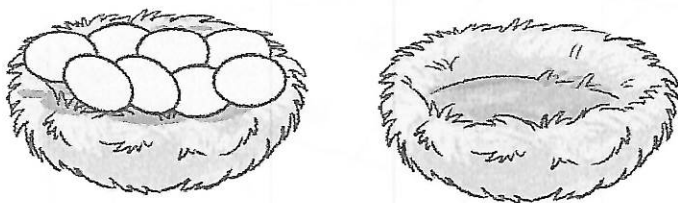
There are bees in all.

3

One nest has 8 eggs.

The other nest has none.

How many eggs are there in all?



$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

There are eggs in all.

Add.

Fill in each blank.



Thomas has 3 black T-shirts.

He has 4 gray T-shirts.

How many T-shirts does Thomas have in all?



_____ ○ _____ ○ _____

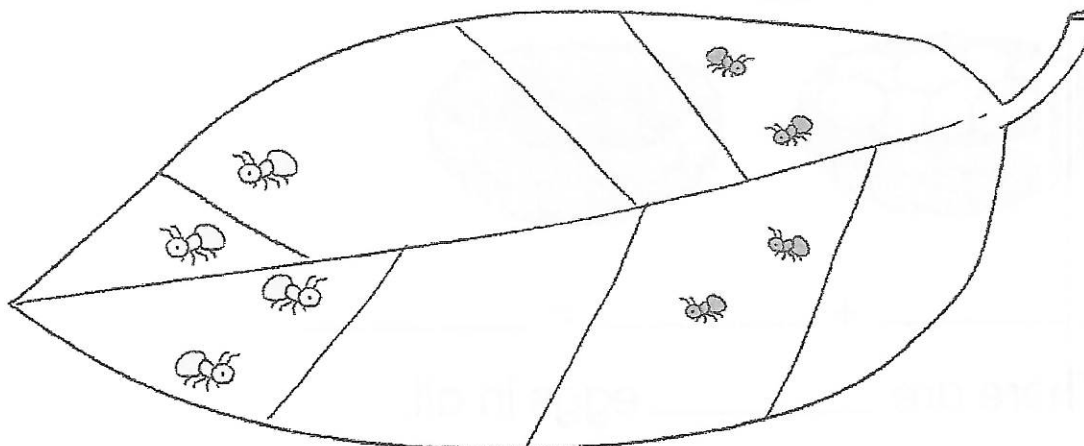
Thomas has _____ T-shirts in all.



There are 4 big ants on a leaf.

There are 4 small ants on the leaf.

How many ants are there on the leaf in all?



_____ ○ _____ ○ _____

There are _____ ants on the leaf in all.



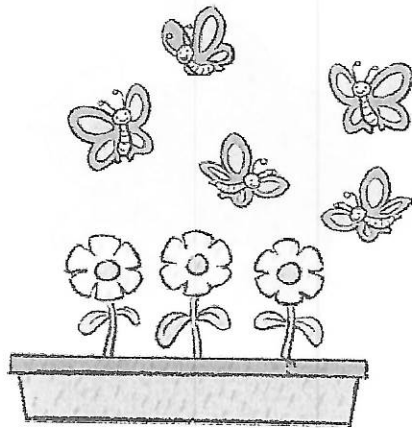
Chapter



8

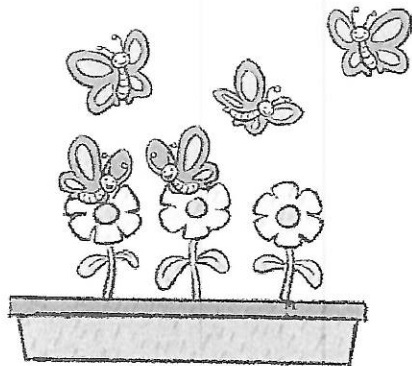
Extra Practice and Homework Subtraction

Activity 1 Subtraction Stories

Use the pictures to make a subtraction story.
Fill in each blank.

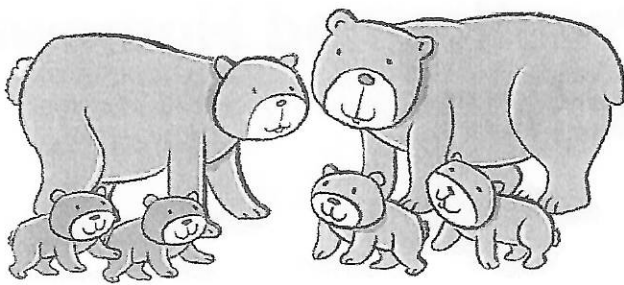


There are _____  flying over the .

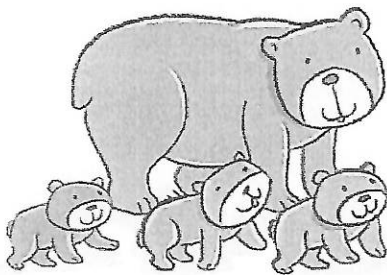


_____  rest on the .


There are _____  left flying over the .

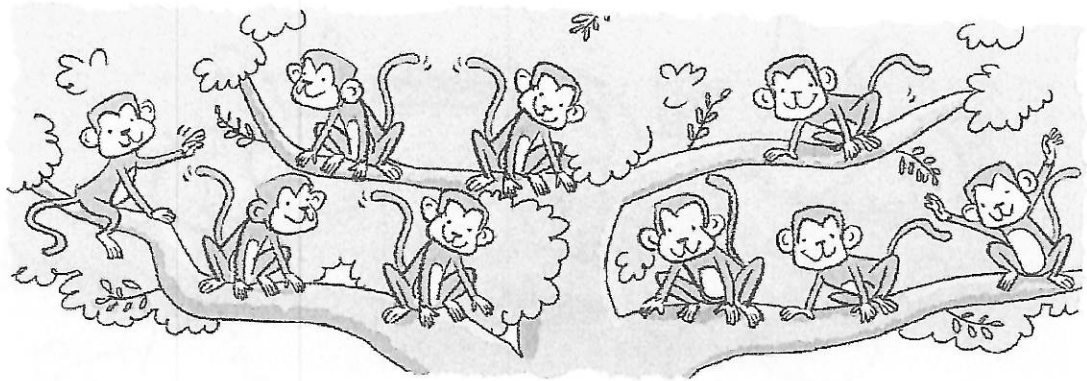


There are _____  .

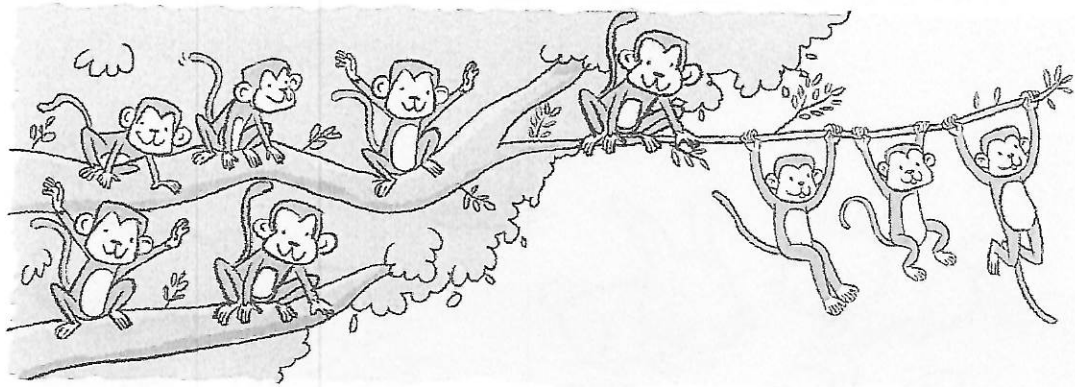


_____  walk away.

There are _____  left.

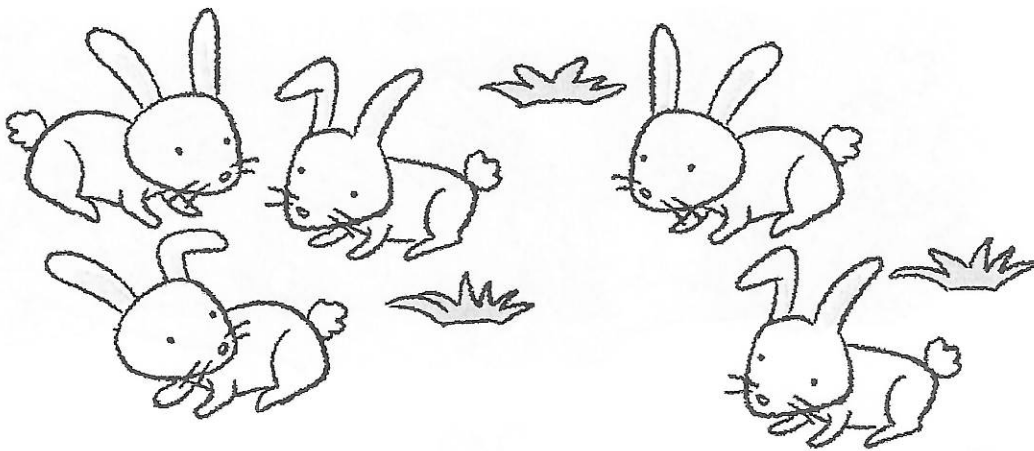



There are _____  in the tree.

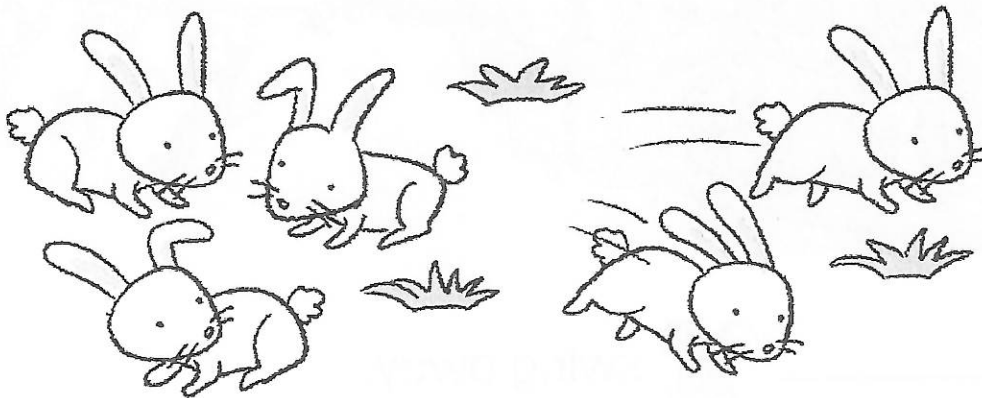


_____  swing away.

There are _____  left in the tree.



There are _____ .



_____  hop away.

There are _____  left.



Extra Practice and Homework Subtraction

Activity 5 Subtraction Sentences

Solve.

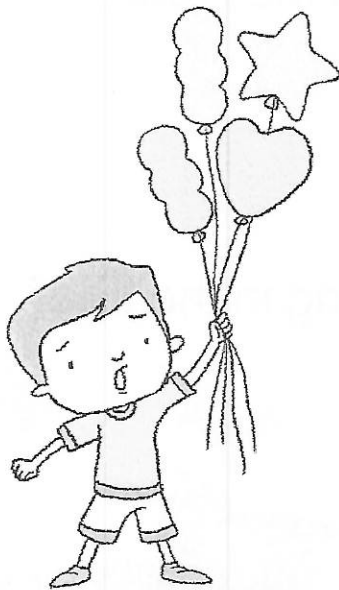
Fill in each blank.



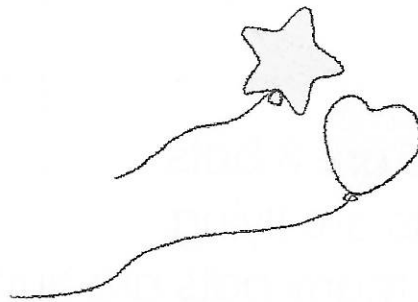
Alan has 6 balloons.

2 balloons fly away.

How many balloons are left?



Alan



$$6 - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

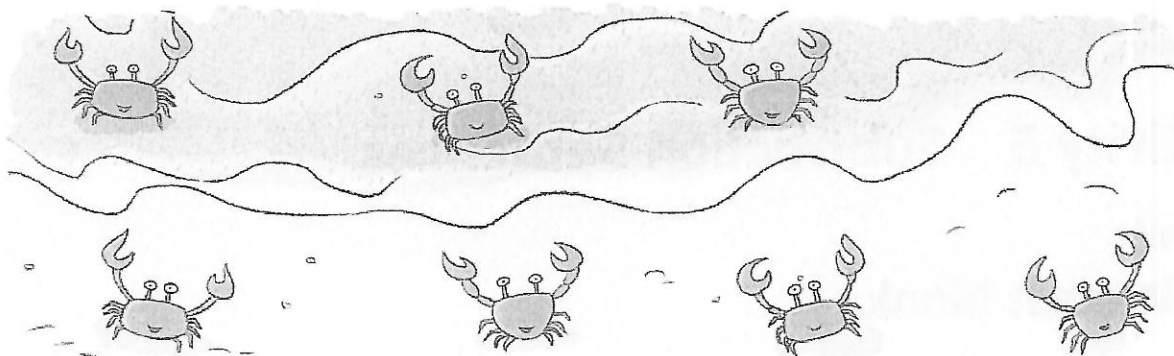
 balloons are left.

2

There are 7 crabs.

3 crabs are in the water.

How many crabs are **not** in the water?



$$7 - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

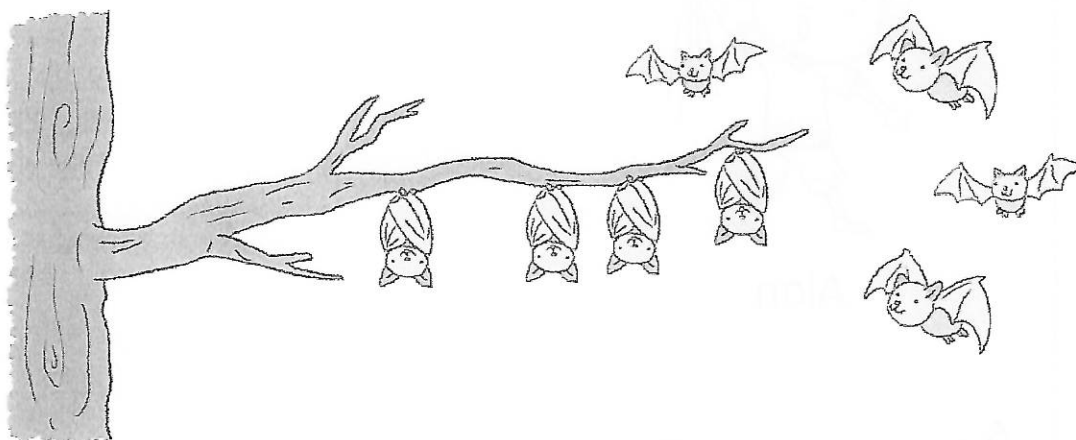
 crabs are **not** in the water.

3

There are 8 bats.

4 bats are flying.

How many bats are hanging in the tree?

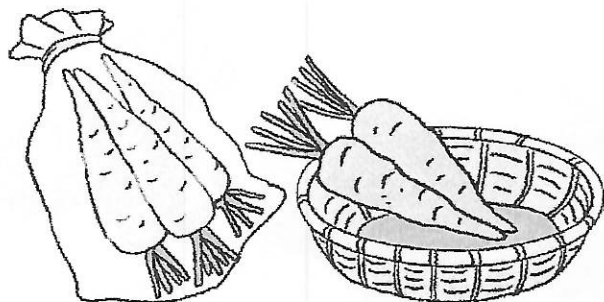


$$8 - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

 bats are hanging in the tree.

4

There are 5 carrots in a basket.
Ms. Megan packs 3 carrots in a bag.
How many carrots are left in the basket?



$$\underline{\quad\quad\quad} - 3 = \underline{\quad\quad\quad}$$

 carrots are left in the basket.

5

Jose has 10 candles on his birthday cake.
He blows out 3 candles.
How many lighted candles are left on the cake?



$$10 - \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

 lighted candles are left on the cake.



There are 8 butterflies.
2 butterflies fly away.
How many butterflies are left?

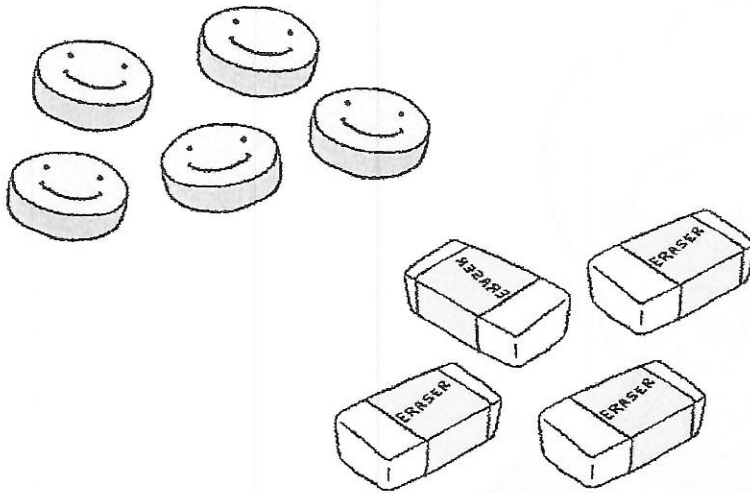


_____ - _____ = _____

_____ butterflies are left.



There are 9 erasers in all.
5 erasers are round.
How many erasers are **not** round?



_____ - _____ = _____

_____ erasers are **not** round.

9

Ms. Hall buys 7 mangoes.
4 mangoes are small.
How many mangoes are big?

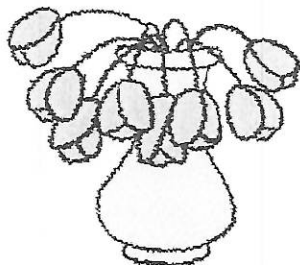


_____ - _____ = _____

_____ mangoes are big.

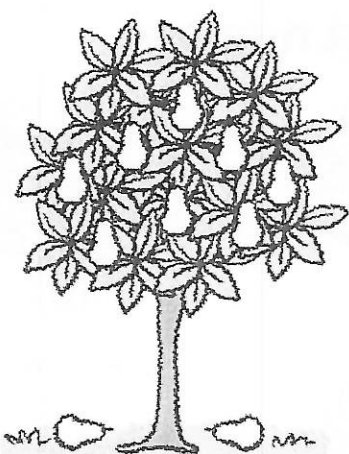
Match each picture to the correct subtraction sentence.

10



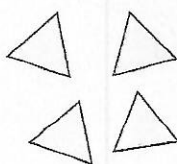
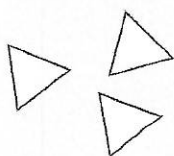
•

• $7 - 4 = 3$



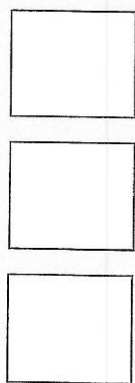
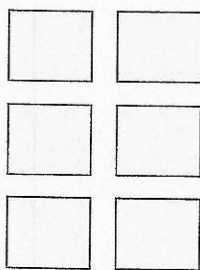
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• $8 - 0 = 8$



•

• $9 - 3 = 6$



•

• $10 - 2 = 8$



Chapter

9

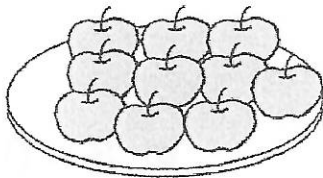
Extra Practice and Homework Numbers to 100

Activity 3 Numbers 51 to 100

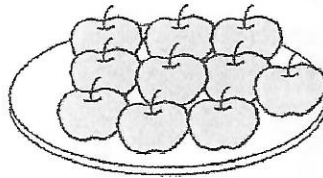
Count on by groups of 10.

Next, count on.

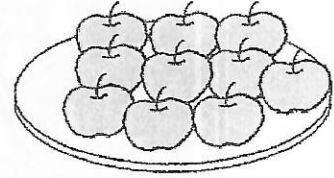
Then, color the box with the correct number.



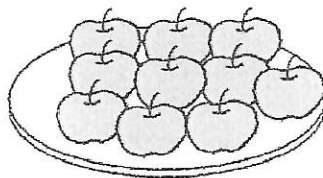
10



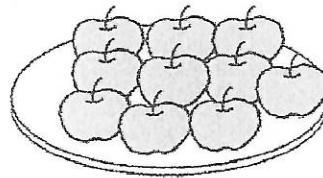
10



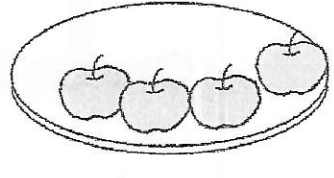
10



10



10

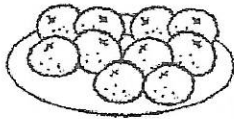


50

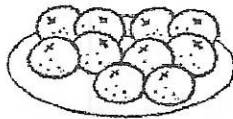
54

60

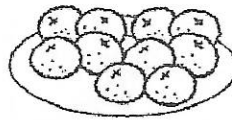
2



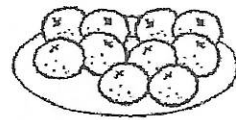
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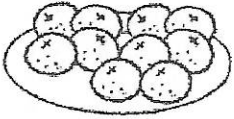
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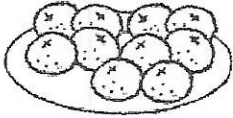
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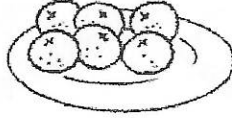
10



10



10



66

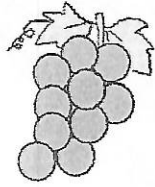
63

60

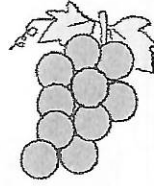
3



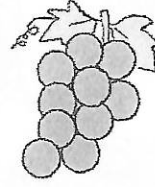
10



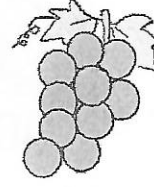
10



10



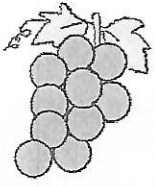
10



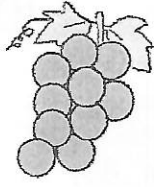
10



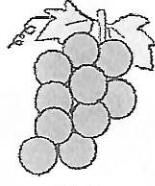
10



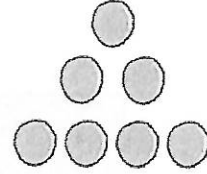
10



10



10

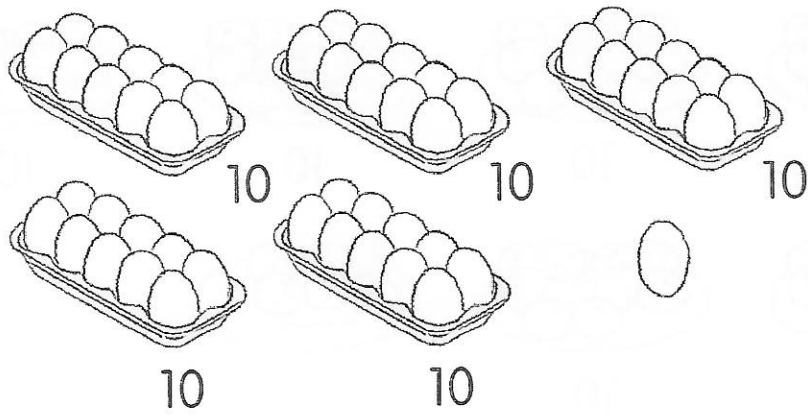


100

98

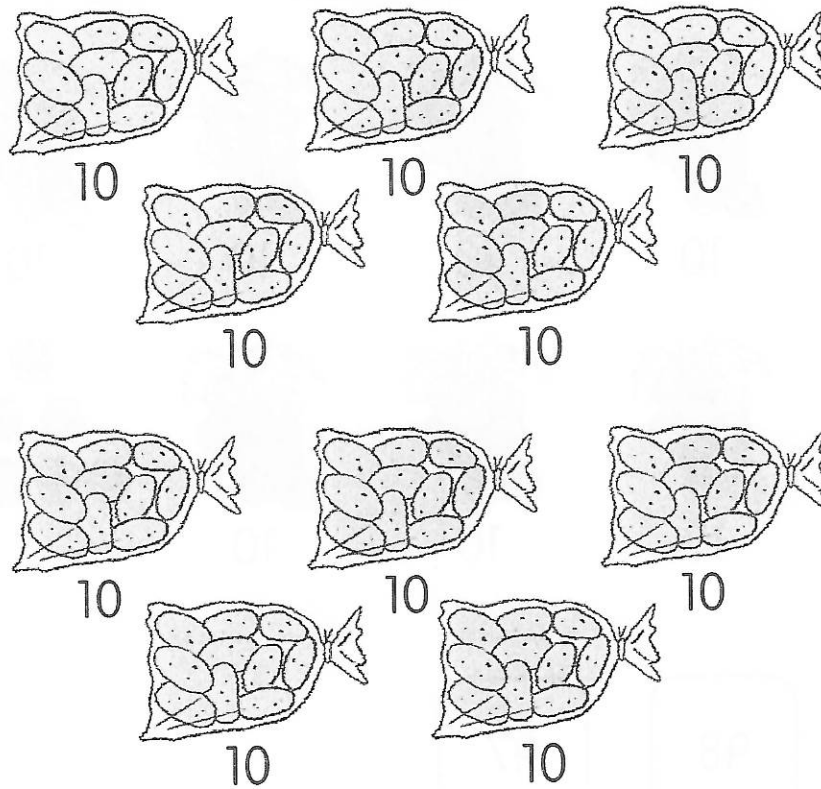
97

4



51 50 41

5



80 90 100

Use the hundred chart to count.



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

- a Count on from 51 to 75. Color **75** blue.
- b Count back from 100 to 83. Circle **83**.
- c Count on from 79 to 87. Make an X on **87**.

Count on or count back.
Circle the correct number.



85, 86, 87, 88,

84
89
90



78,

79
76
75

, 80, 81, 82, 83



94

90

100

, 99, 98, 97, 96



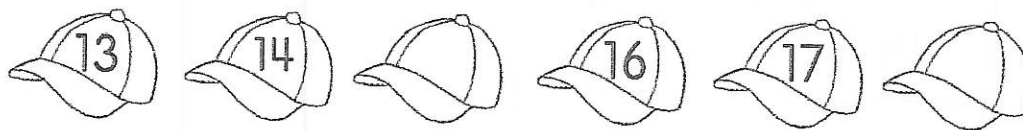
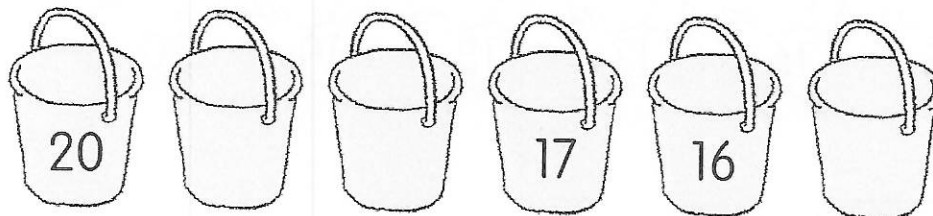
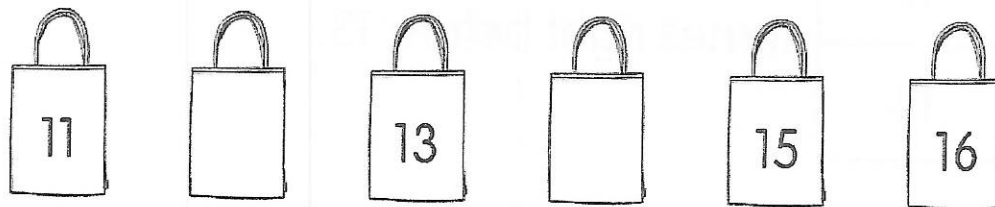
Extra Practice and Homework

Numbers to 100

Activity 4 Number Patterns

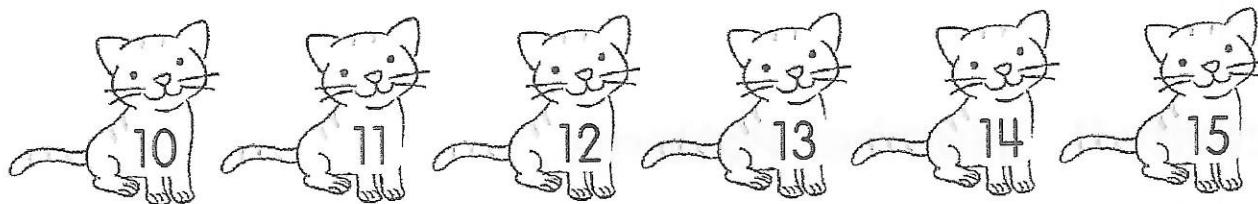
Count.

Complete each number pattern.



Look at each number pattern.
Color the box to complete each sentence.

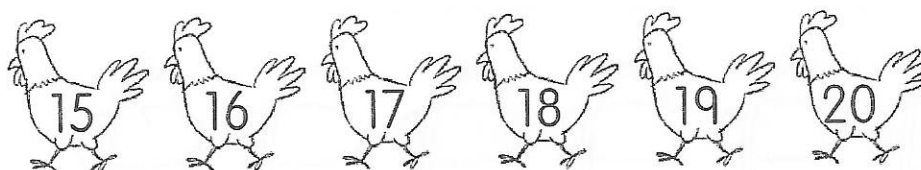
5



12
14

comes right before 13.

6

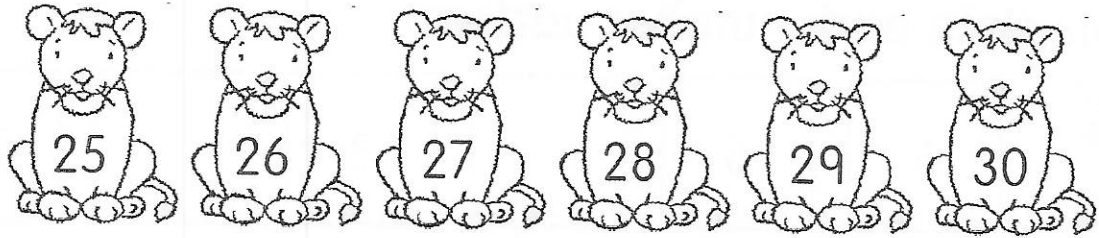


17
19

comes right before 18.

17
19

comes right after 18.

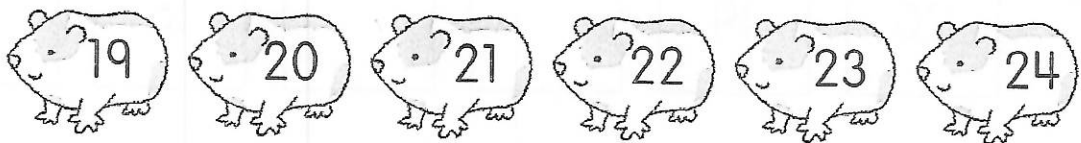


1 less than 27 is

28
26

1 more than 27 is

28
26



22

24

is 1 less than 23.

22

24

is 1 more than 23.

Complete each number pattern.



5	6		8		10
---	---	--	---	--	----



10			13	14	
----	--	--	----	----	--



17	16	15		13	
----	----	----	--	----	--



20	19			16	
----	----	--	--	----	--



Chapter

5

Extra Practice and Homework Flat and Solid Shapes



Activity 3 Positions

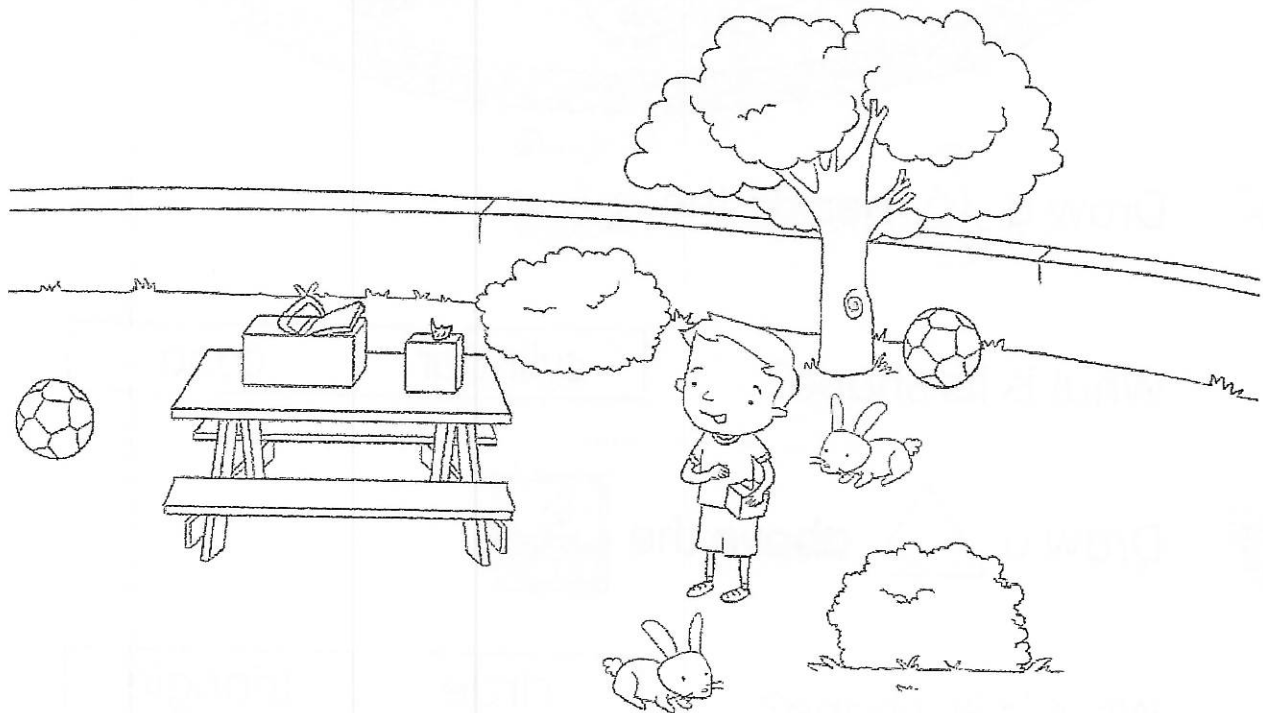
Color.



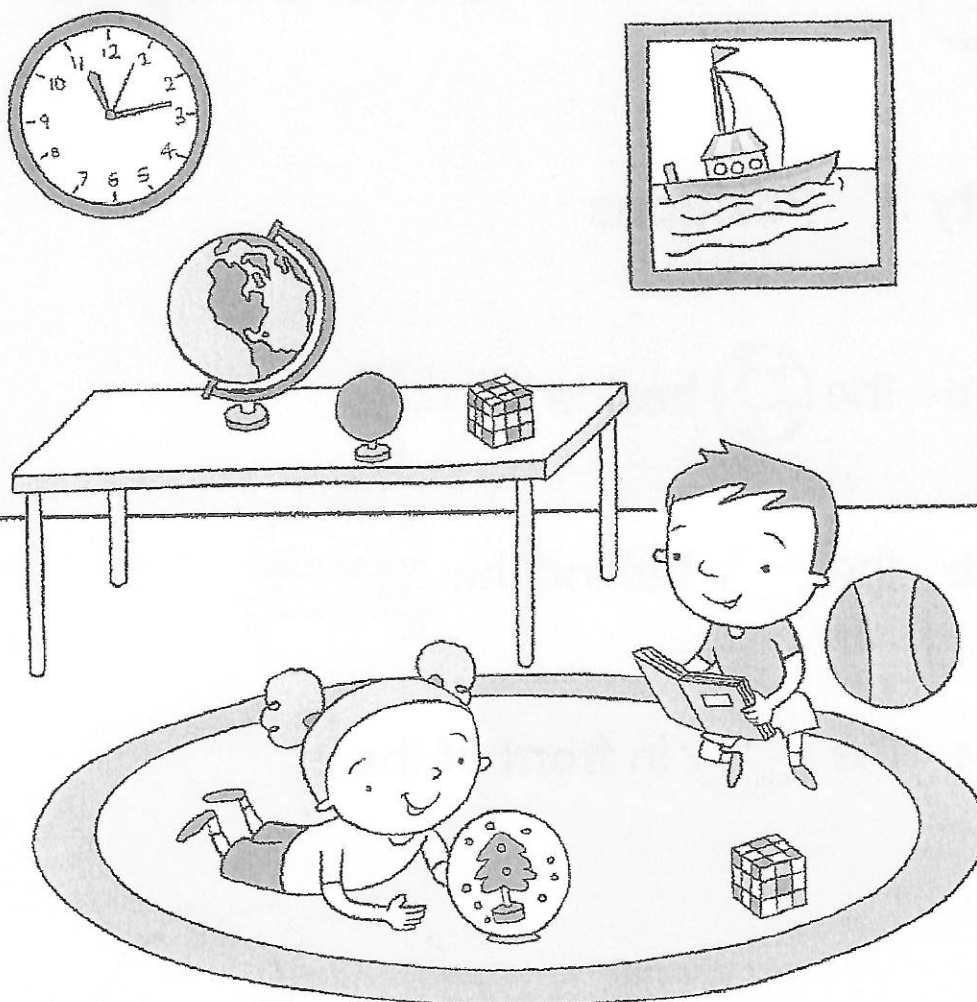
a the  **beside** the 

b the  **behind** the 

c the  **in front of** the 



Draw the object.
Color the correct box.





Draw a  **beside** the .

What is its shape?

cylinder

cone



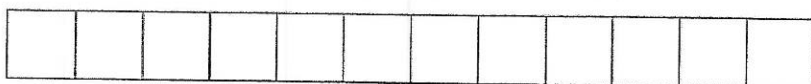
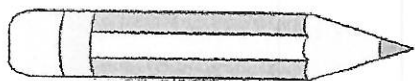
Draw a  **above** the .

What is its shape?

circle

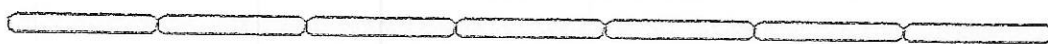
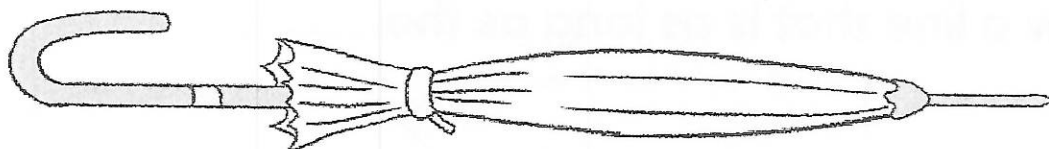
triangle

Color the  to show the lengths.

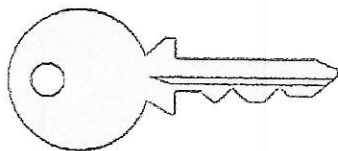


Count the  or .

Fill in each blank.



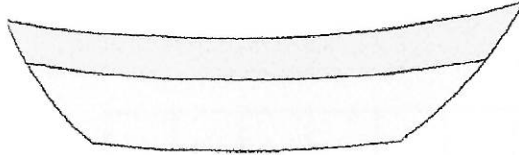
The umbrella is about _____  long.



The key is about _____  long.

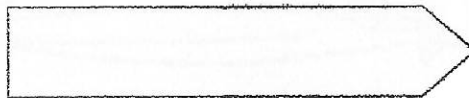
Draw a line that is shorter than the .

5



Draw a line that is as long as the .

6



CHALLENGE-
OPTIONAL



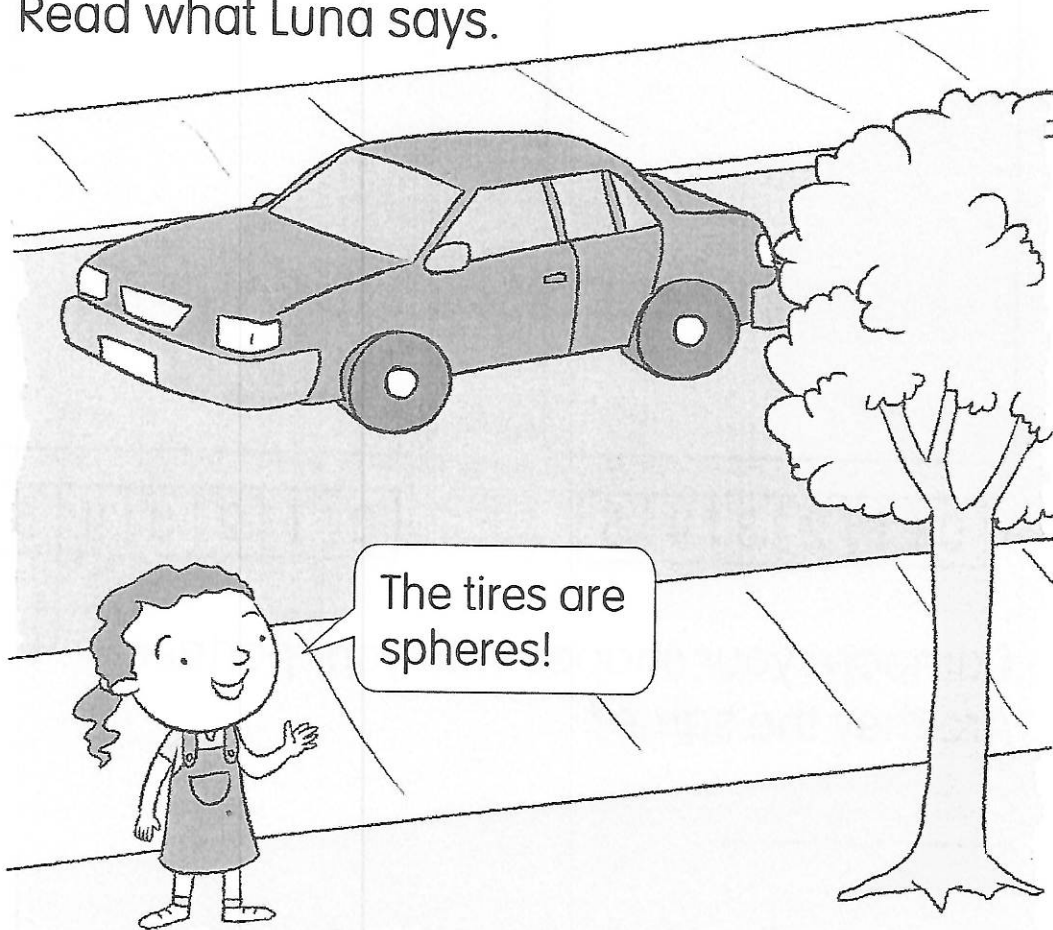
Enrichment

Flat and Solid Shapes

Activity 5 Compare Flat and Solid Shapes

Answer the question.

- 1 Look at the picture.
Read what Luna says.



Luna

Do you agree?
Why? Why not?

Draw.

Compare.

Answer each question.

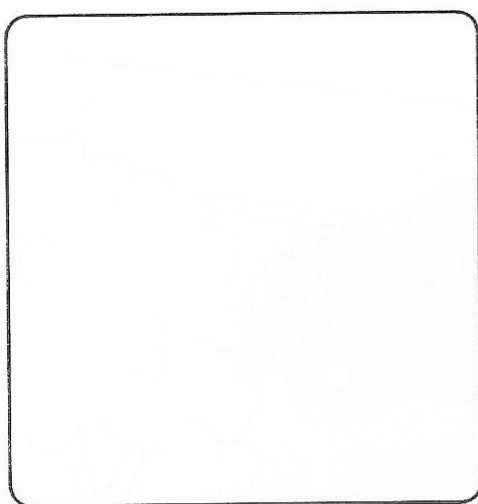


- a Draw 2 shapes with corners.

Count the sides for each shape.

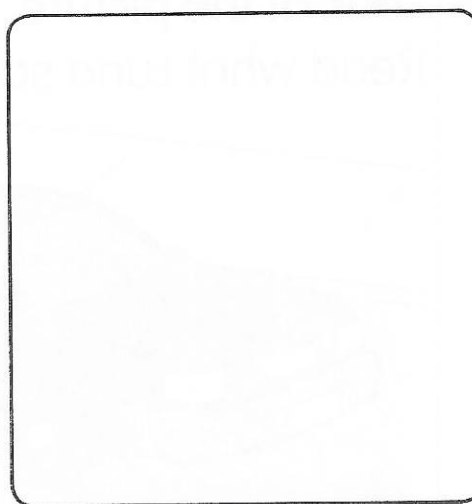
Color the box to show how many.

Shape 1



0	1	2	3	4	5
---	---	---	---	---	---

Shape 2

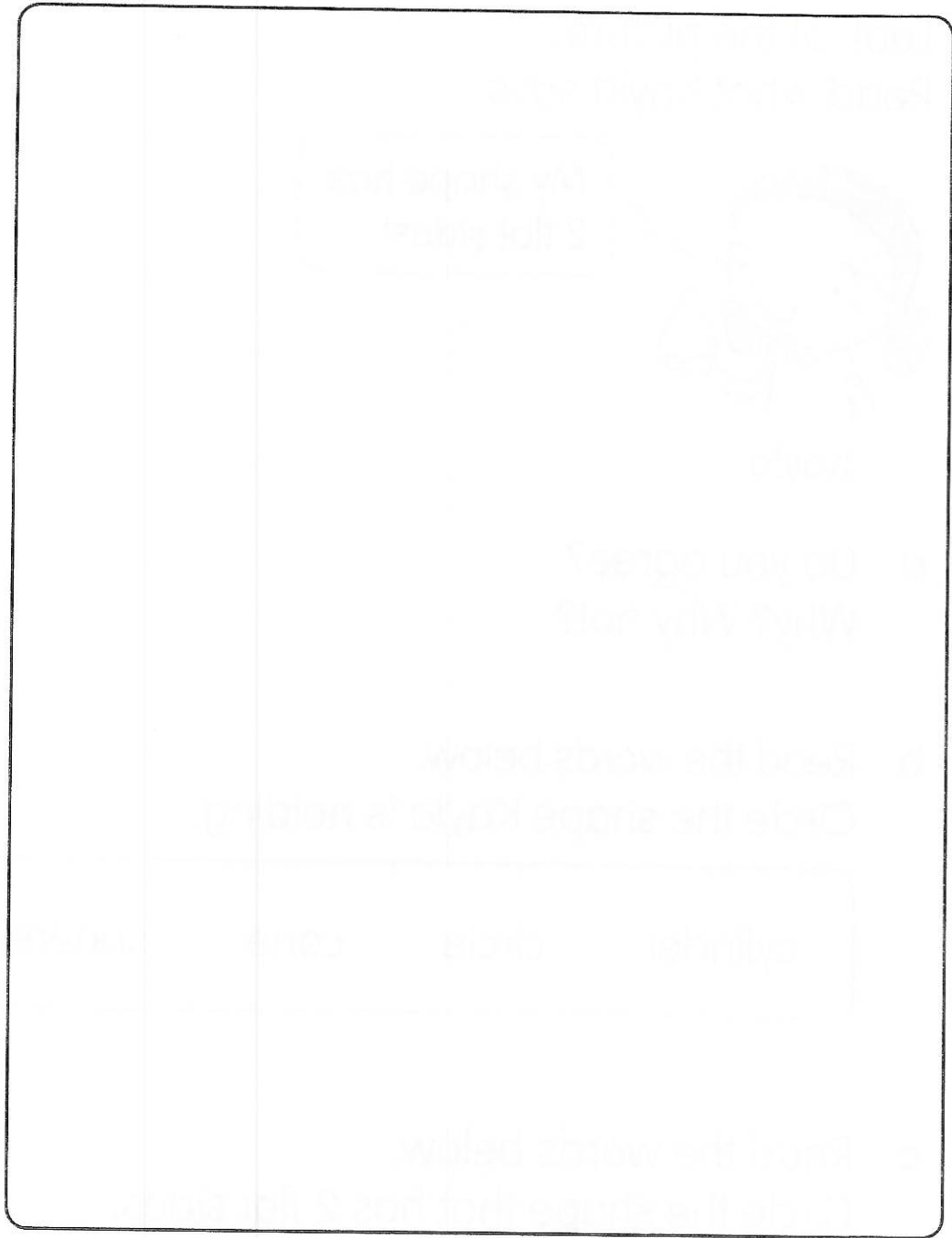


0	1	2	3	4	5
---	---	---	---	---	---

- b Compare your shapes with your partner.
Are they the same?

- c Guess the number of sides a shape with
6 corners has.

- d Draw a shape with 6 corners.



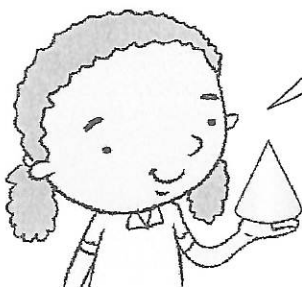
The shape has _____ sides.

Is your guess in c correct? _____

Answer each question.

3

Look at the picture.
Read what Kayla says.



My shape has
2 flat sides!

Kayla

- a Do you agree?
Why? Why not?
- b Read the words below.
Circle the shape Kayla is holding.

cylinder circle cone sphere

- c Read the words below.
Circle the shape that has 2 flat sides.

cylinder circle cone sphere



Enrichment Addition

Activity 5 Addition Sentences

Solve.

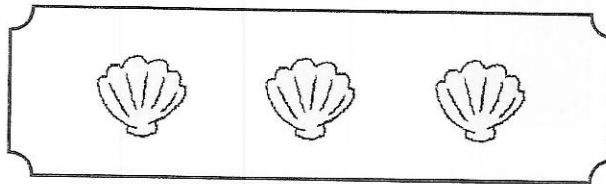
Write an addition sentence.



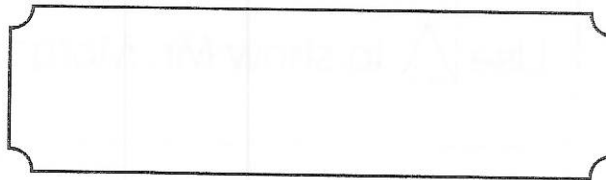
Aria has 3 .

Lola has the same number of  as Aria.


a Use  to show Lola's .



Aria



Lola

b How many  do the girls have in all?


_____  _____  _____

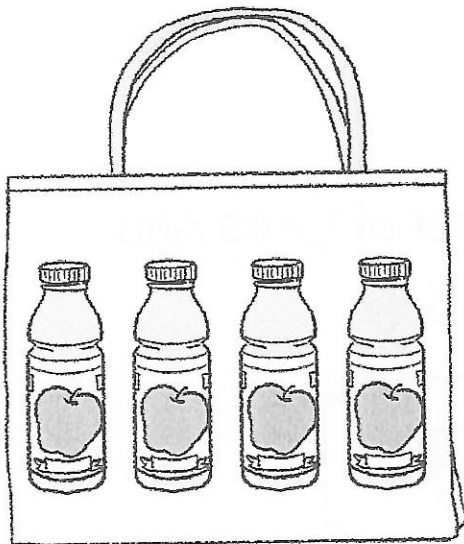
The girls have _____  in all.

2

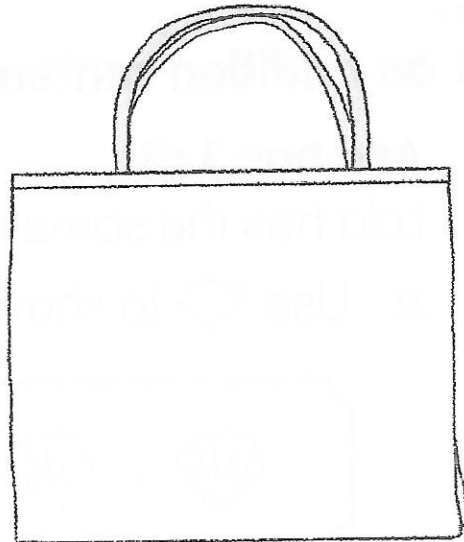
Ms. Gomez buys 4 .

Mr. Morgan buys 1 more  than Ms. Gomez.

How many  do both of them buy in all?



Ms. Gomez



Mr. Morgan

Use \triangle to show Mr. Morgan's .




_____  _____  _____

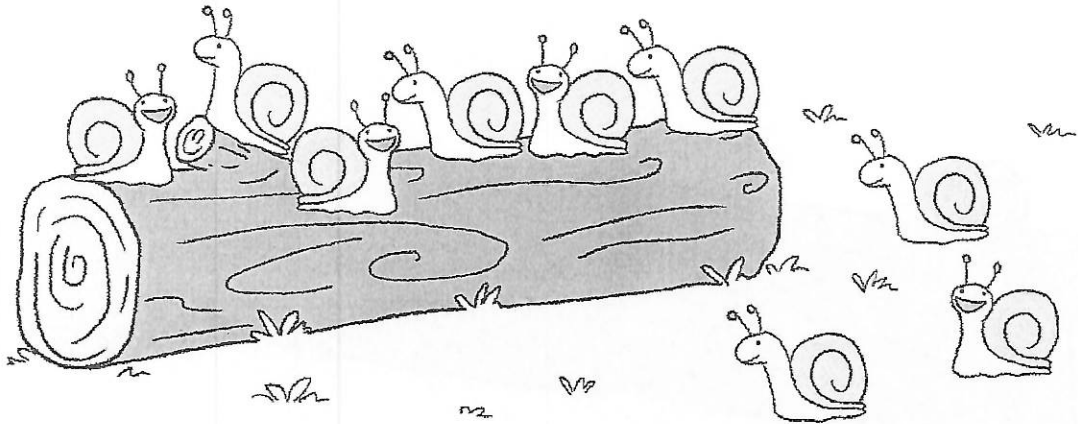
Both of them buy _____  in all.



a There are 6  on the .

There are 3  on the grass.


How many  are there in all?

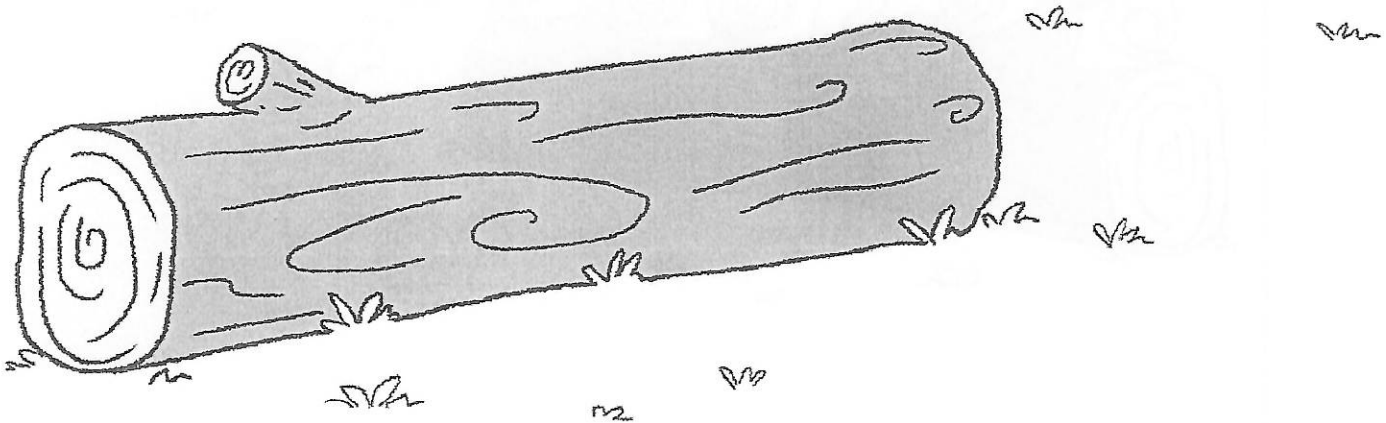


_____ ○ _____ ○ _____

There are _____  in all.

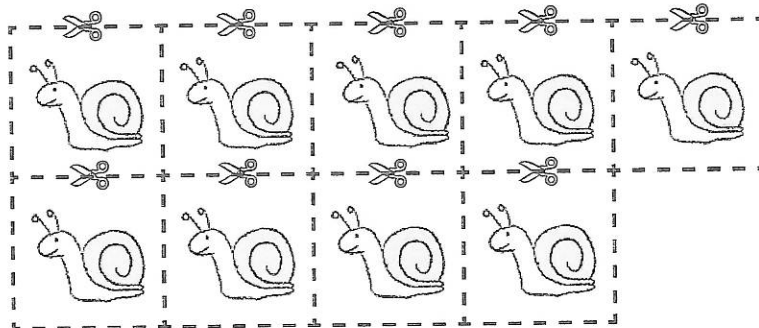
- b William moves 1  from the  to the grass.

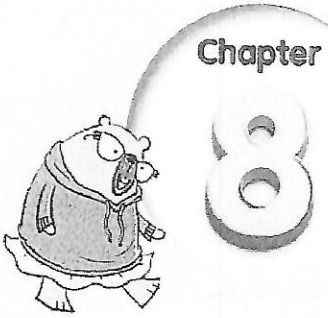
Cut out the  and glue them in the picture below.



- c Write an addition sentence to show b.

_____ ○ _____ ○ _____





Enrichment Subtraction

Activity 5 Subtraction Sentences

Solve.

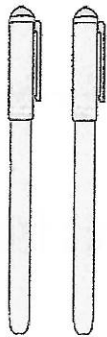


Ian has 9 pens.

He gives some pens to his friends.

He has 2 pens left.

How many pens does Ian give away?



Draw the pens Ian gives away.



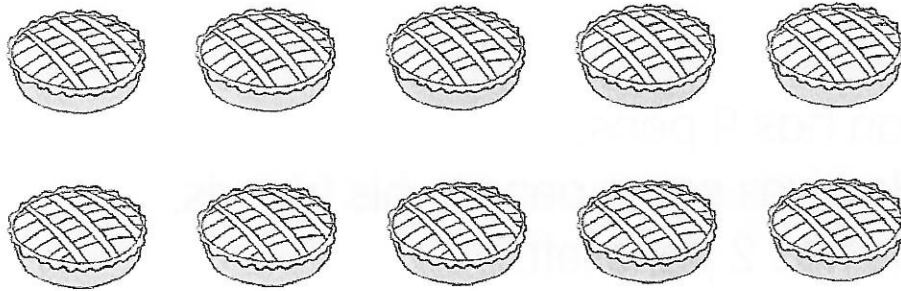
_____ ○ _____ ○ _____

Ian gives _____ pens away.



Mr. Sanders bakes 10 pies.
He gives 2 pies to his friend.
He gives 4 pies to his sister.

- a How many pies does Mr. Sanders give to his friend and sister?



_____ ○ _____ ○ _____

Mr. Sanders gives _____ pies to his friend and sister.

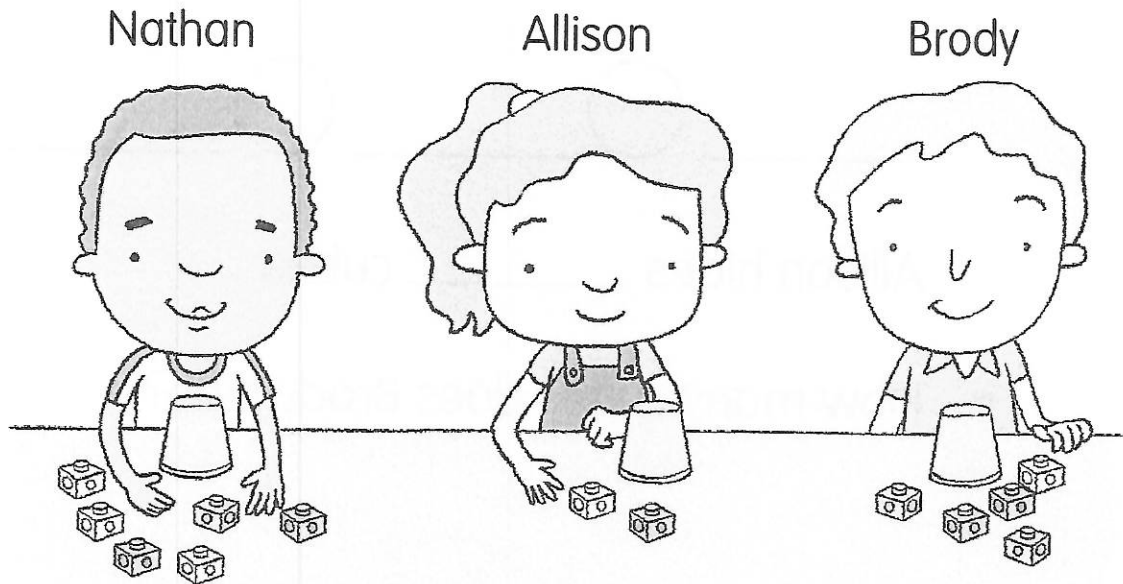
- b How many pies does Mr. Sanders have left?

_____ ○ _____ ○ _____

Mr. Sanders has _____ pies left.



Three children are playing a game.
They are given a cup and 10 cubes each.
Each child hides some of their cubes.



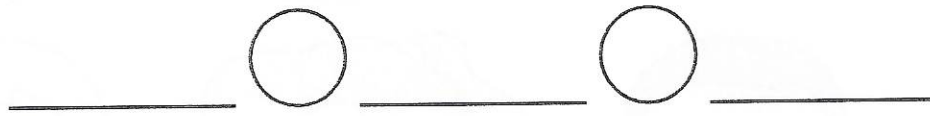
Complete each subtraction sentence.
Fill in each blank.

- a How many cubes does Nathan hide?

_____ ○ _____ ○ _____

Nathan hides _____ cubes.

b How many cubes does Allison hide?



Allison hides _____ cubes.

c How many cubes does Brody hide?



Brody hides _____ cubes.



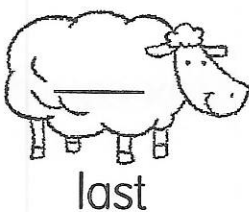
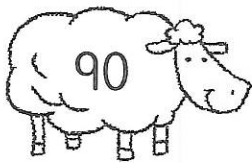
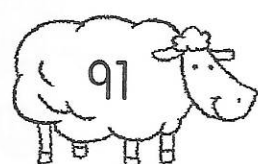
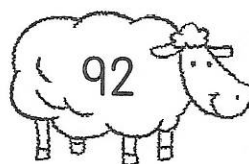
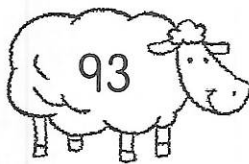
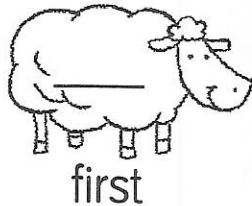
Enrichment Numbers to 100

Activity 4 Number Patterns

Answer each question.



Look at the number pattern.
Color each correct box.



a What is the first number?

96

94

b What is the last number?

89

91

c 1 less than 91 is

93

90

d 1 more than 90 is

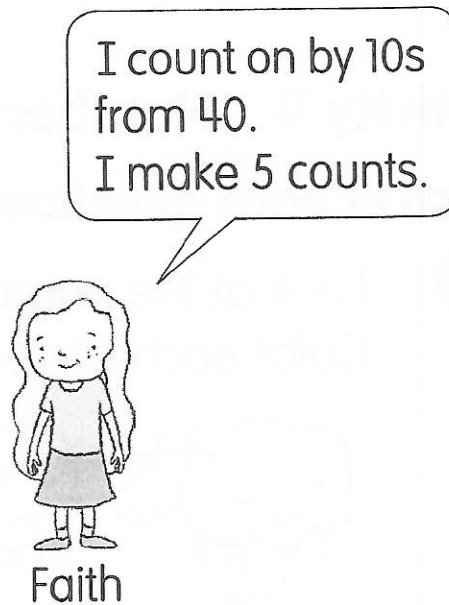
91

89

Look at the picture.
Answer each question.



Read what Alex and Faith say.



a Circle the number Alex counts to.

89

90

91

b Circle the number Faith counts to.

80

90

100

c Count back from 100.
How do you reach Faith's number?
Tell your partner.

Look at the number patterns. Find the mistakes.

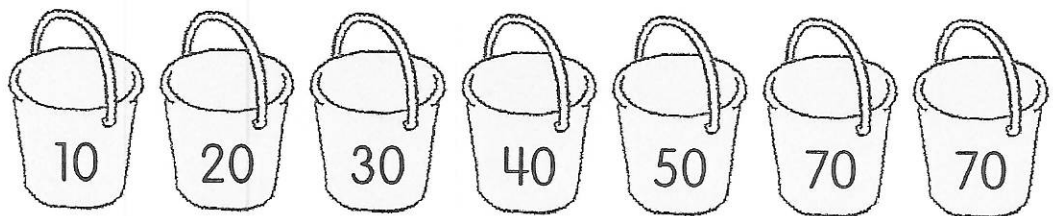


There is a mistake in each pattern.
Make an **X** on them.

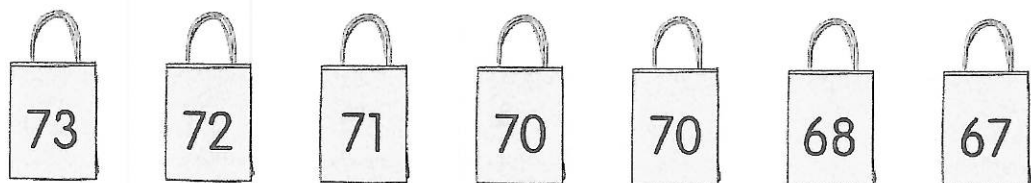
a Count on by 1s.



b Count on by 10s.



c Count back by 1s.



GAMES

Tens Friends Memory

Take out face cards

Place 4 rows of 5 cards face down.

Taking turns, turn over 2 cards. If they add up to 10, take them and replace them with 2 cards from the deck. If they don't add up to 10, put them back where they were.

Keep playing until there are no more cards.

Tens Friends Go Fish

Take out face cards

Each player gets 4 cards. The rest of the cards go in the middle "the pond".

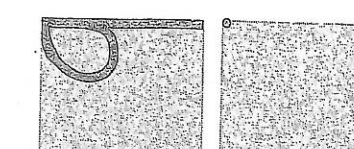
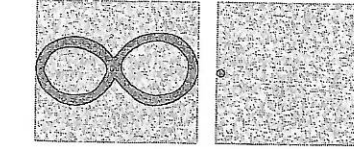
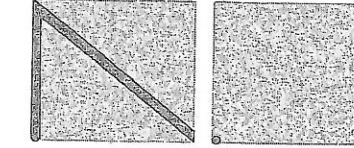
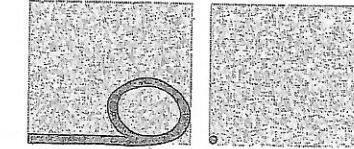
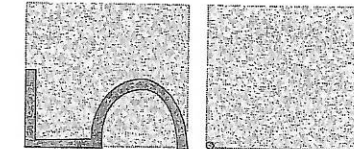
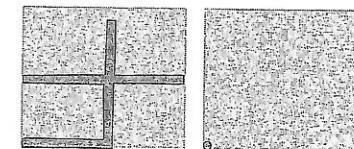
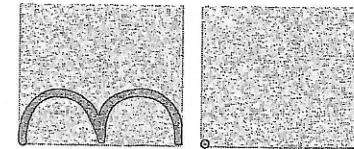
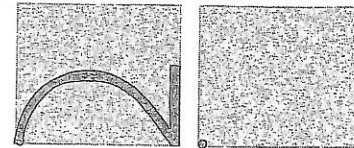
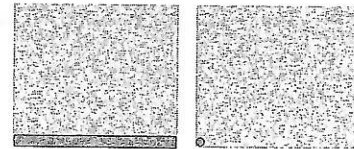
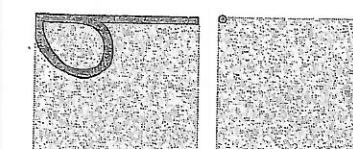
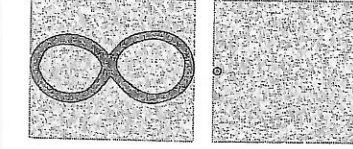
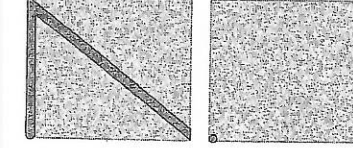
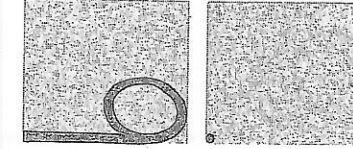
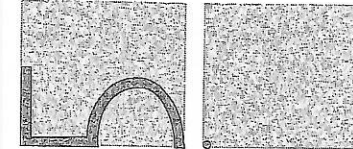
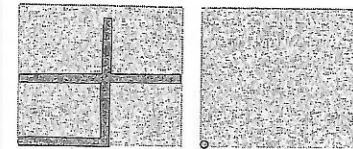
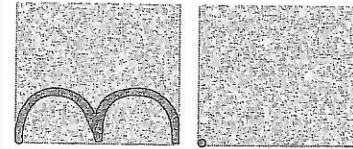
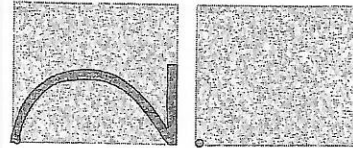
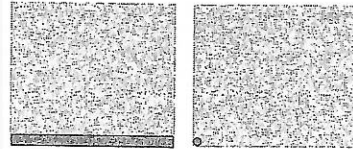
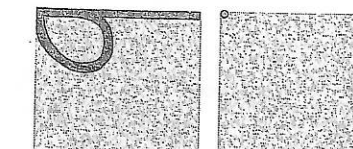
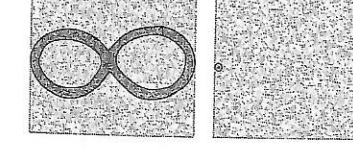
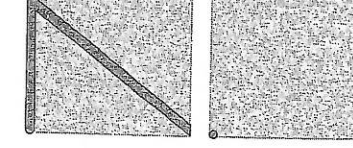
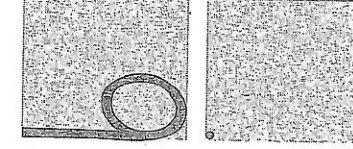
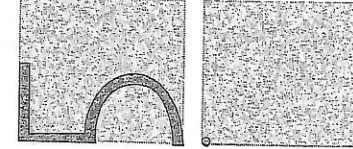
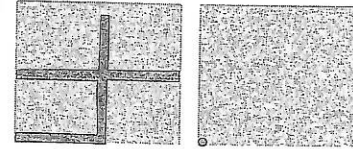
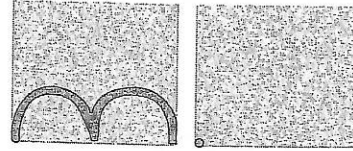
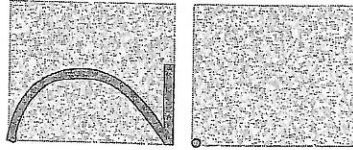
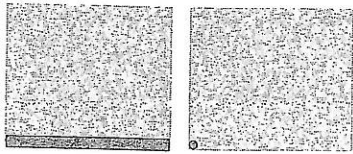
First player asks a friend, "Do you have a _____?" They are asking for a number that would add up to ten. For example, If I have a 3, I would ask "Do you have a 7?" Because $3+7=10$.

If their friend has the number they ask for, it is given to the player who asked for it and the pair is placed face up in front of them.

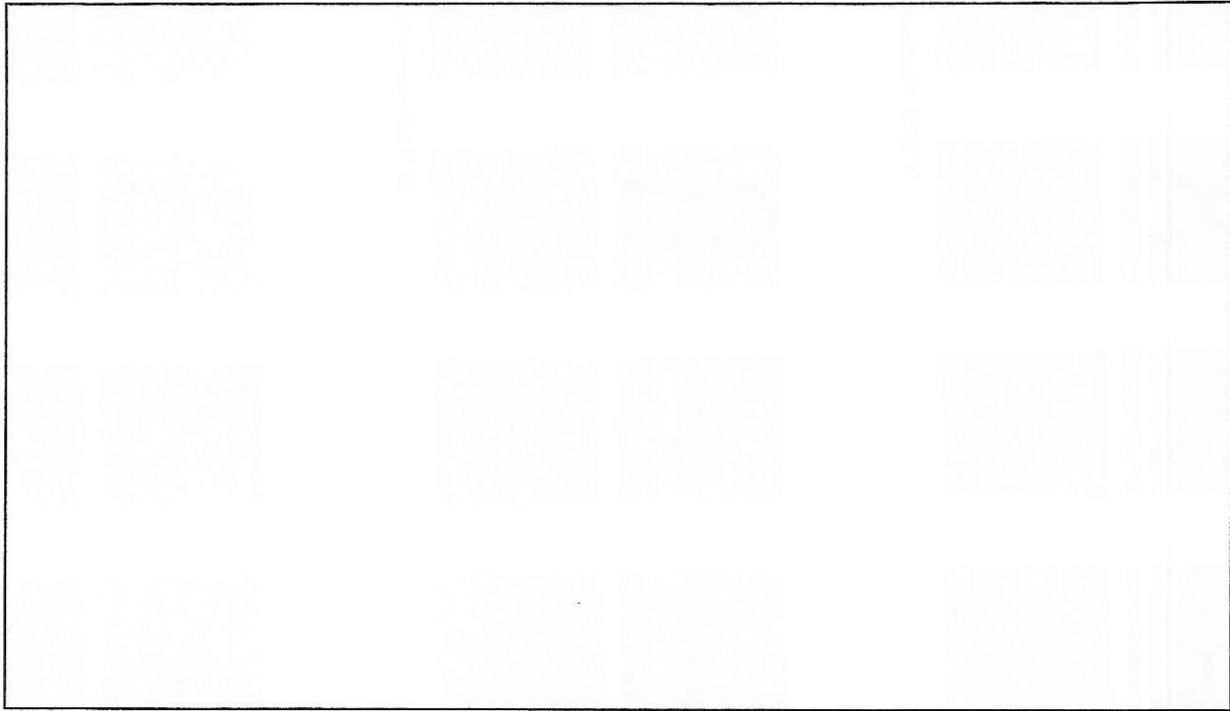
If their friend doesn't have the card, they say, "I don't have a _____. Go fish" They then take a card from the pile in the middle.

The game ends when all the cards are gone.

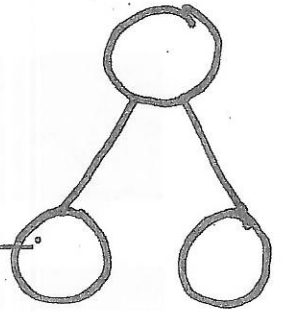
TEMPLATES AND GRAPH PAPER



Addition Stories



There are _____

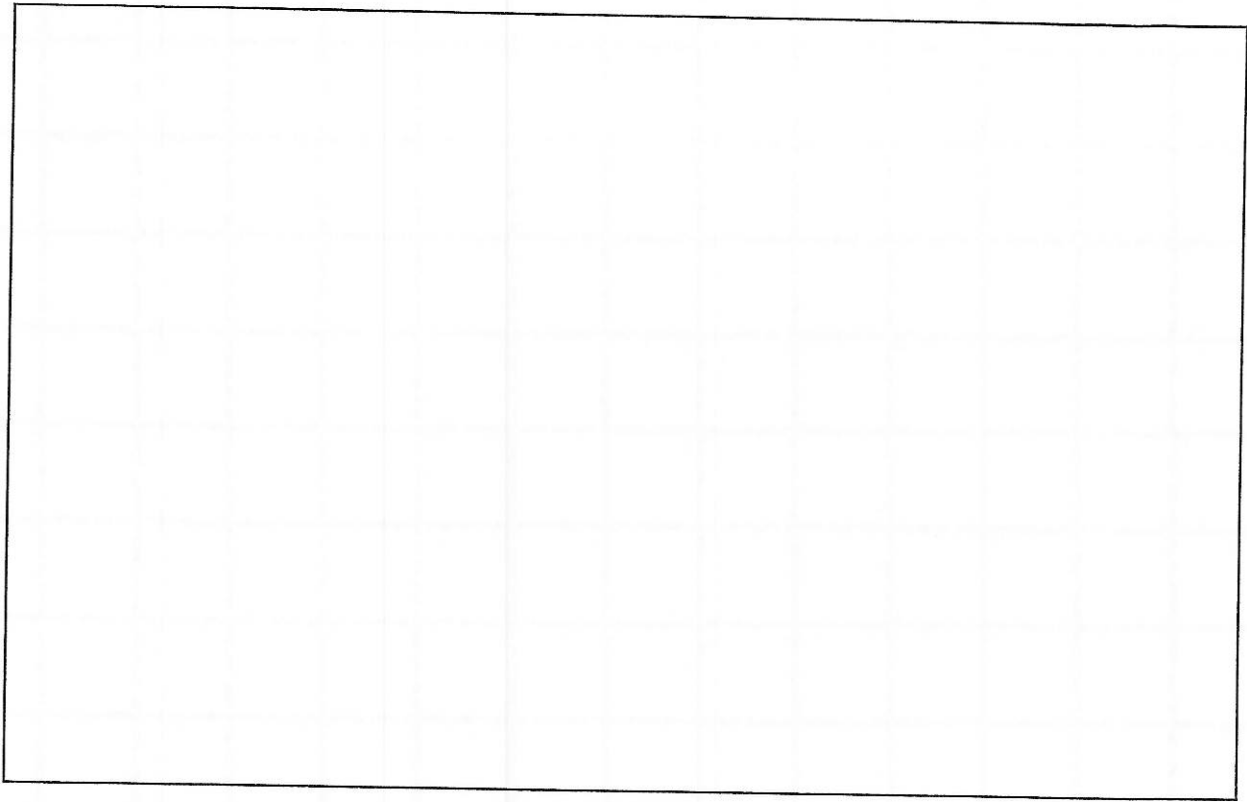


There are _____.

There are _____ in all.

$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

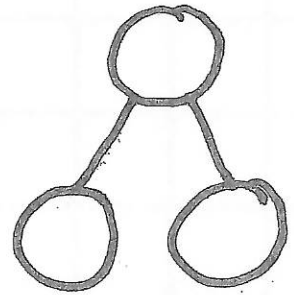
Subtraction Stories



There are _____.

_____ ran away.

_____ are left.



_____ - _____ = _____

