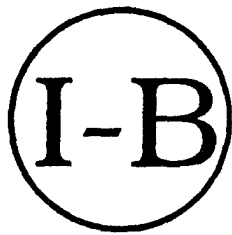


# HALVES AND FOURTHS



Objective: Recognizes  $\frac{1}{2}$  or  $\frac{1}{4}$  of a whole / set

Two thick, dark horizontal bars, one above the other, spanning the width of the page.

Bureau of Elementary Education  
Department of Education, Culture and Sports  
Manila, Philippines

This module is part of a series of a multi-level modules for English, Filipino and Mathematics developed by the Curriculum Development Division of the Bureau of Elementary Education under the Program for Decentralized Educational Development (PRODED). These materials have been purposely prepared to supplement and complement learnings made through the basic texts issued by the Instructional Materials Corporation (IMC). Each module constitutes the total learning process and may therefore be used not only to reinforce or enrich learning but also to develop a new lesson.

These multi-level materials are recommended for use in elementary schools in the country.

*The Mathematics Writing Committee*

Erinda M. Valientes - Chairman  
Felisa J. Ordoñez  
Rosine C. Rivera  
Carol A. Cruz  
Virginia T. Fernandez  
Ana F. Redublo  
Federico L. Reyno  
Zosima C. Ventura  
Cresenciana T. Bunagan

*Illustrators*

Leo A. Cultura  
Jessica C. Pascua  
Roehl A. Guittap  
Felipe D. Vale

*Consultants*

Dr. Carolina V. Perez  
Dr. Norma M. Abracia  
Dr. Josefina C. Fonacier

*Project Coordinators*

Alvenia P. Palu-ay  
Chona D. Castaño

*Support Staff*

Remedios G. Pardo  
Eufrosina R. Lontoc  
Carmen B. Ochang  
Nelia S. Javier  
Marilou P. Lucas  
Florante L. Manganti  
Roberto S. Silfavan  
Victorio Calilong  
Rolando Liwanag

Dr. Lidinila M. Luis-Santos  
*Asst. Project Director*

*Asst. Chief, Curriculum Development Division, BEE*

Dr. Marcelina M. Miguel  
*Project Director*

*Chief, Curriculum Development Division, BEE*

Edith B. Carpio  
*Assistant Director, BEE*

Dr. Juanita S. Guerrero  
*Director*



A. Which picture shows halves?

Copy the letter.

1.

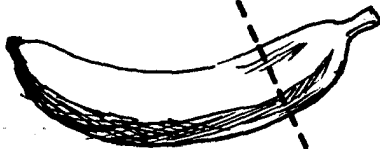


A

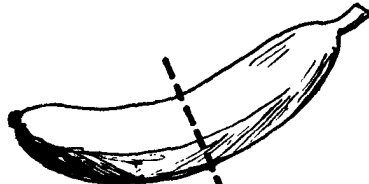


B

2.

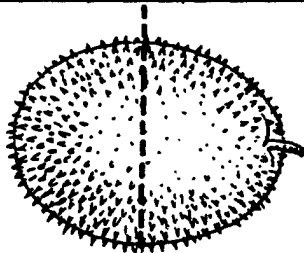


A

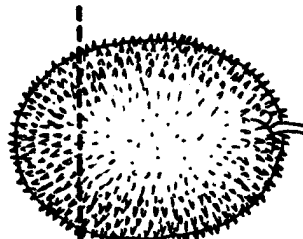


B

3.

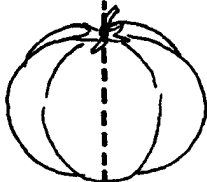


A

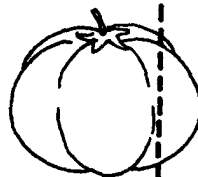


B

4.

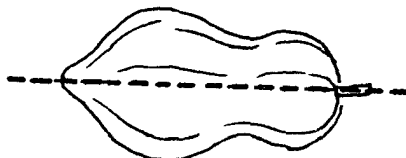


A

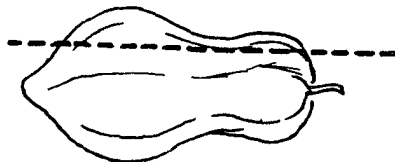


B

5.

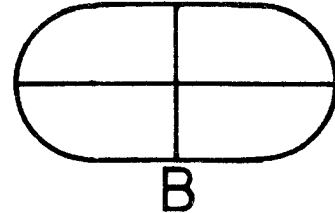
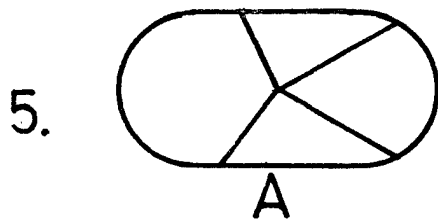
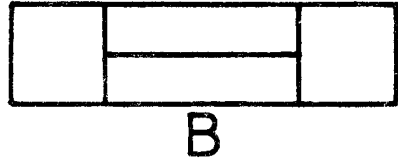
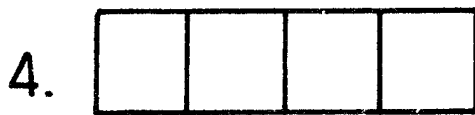
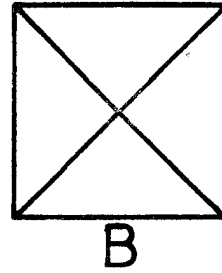
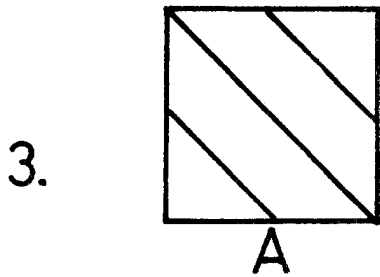
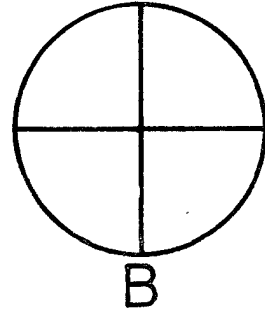
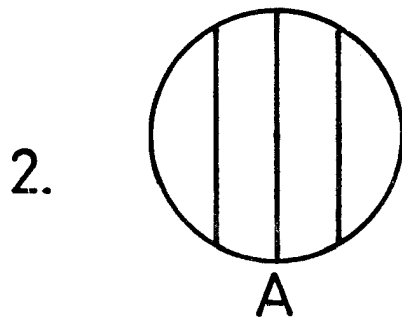
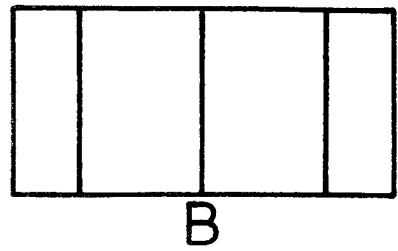
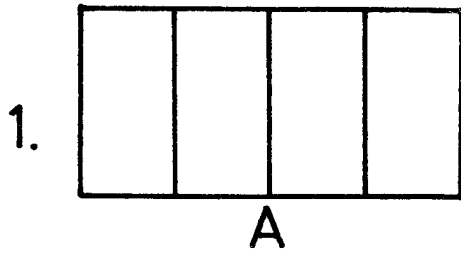


A



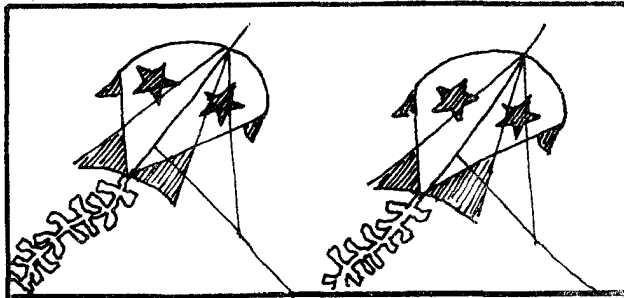
B

B. Which picture shows fourths?  
Copy the letter.

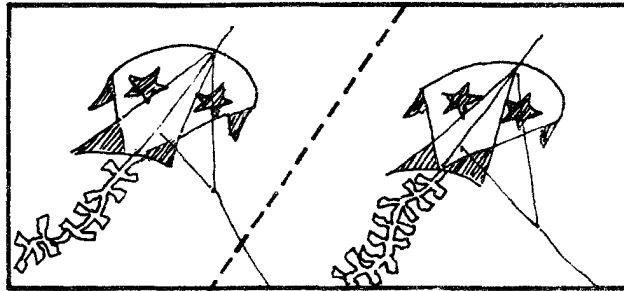




Look at this set.



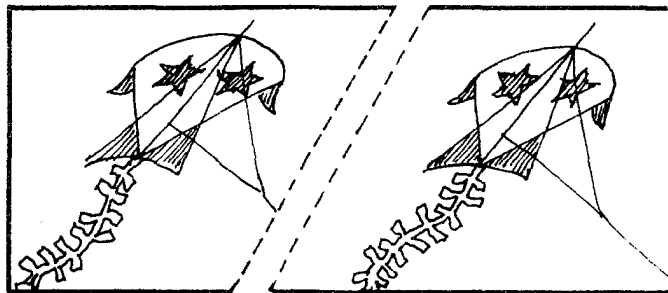
This is a set of two kites.  
Let us make two smaller sets.



Set A                      Set B

These are two smaller sets.  
Let us call them set A and set B.  
Set A and set B are equal.

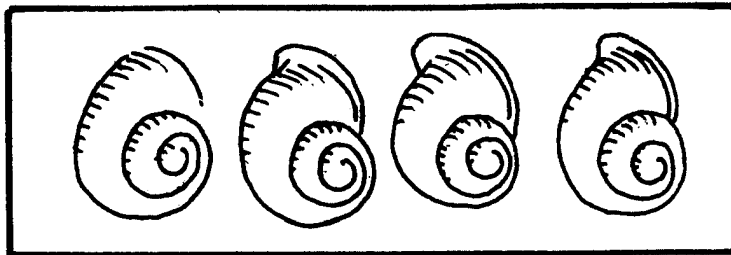
Look.



Set A                      Set B

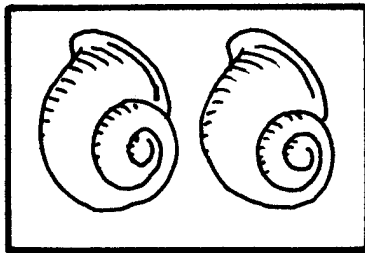
Set A is one of two equal sets.  
Set A is one-half of the set of two kites.  
 $\frac{1}{2}$  of the two kites is 1.

Let's look at another set.

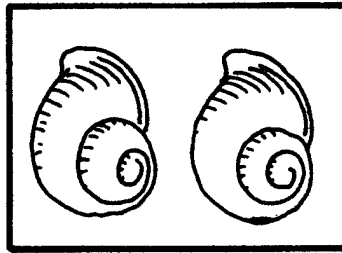


This is a set of four shells.

Let's make two smaller sets.



Set C

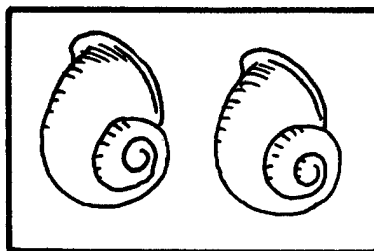


Set D

These are two smaller sets.

Let's call them sets C and D.

Sets C and D are equal.



Set C

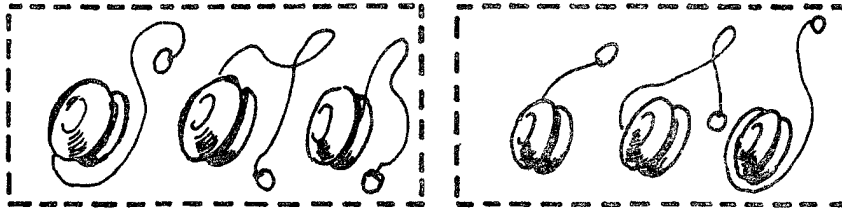
Set C is one of two equal sets.

Set C is one-half of the set of four shells.

$\frac{1}{2}$  of four shells is 2.

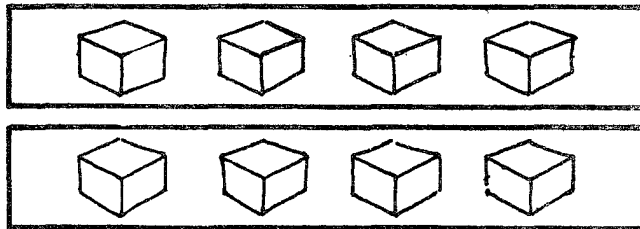
The following show halves of the sets.  
Study them.

A. Set of 6 yoyos.



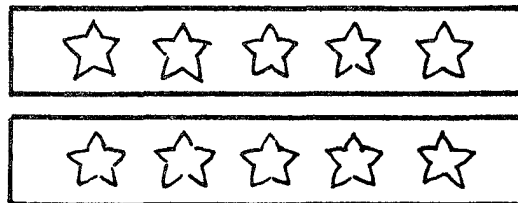
$\frac{1}{2}$  of six yoyos is 3.

B. Set of 8 boxes.



$\frac{1}{2}$  of eight boxes is 4.

C. Set 10 stars.



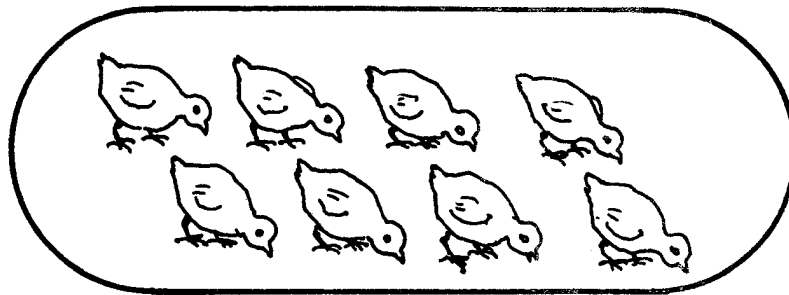
$\frac{1}{2}$  of ten stars is 5.

Remember:

One-half of the set is one of two smaller sets.  
The smaller sets are equal.

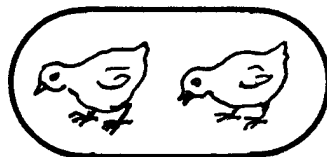
Here's another set.

Let us make more smaller sets.

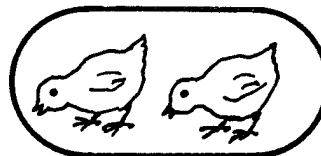


This is a set of eight chicks.

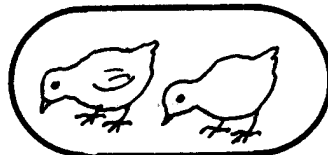
Let's make four smaller sets.



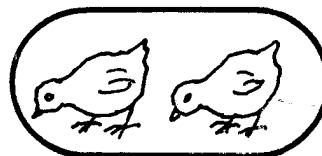
Set A



Set B



Set C



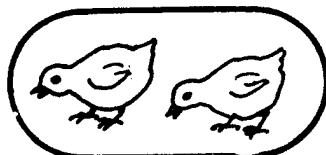
Set D

These are four small sets.

Let us call them A, B, C and D.

Sets A, B, C and D are equal.

Look.



Set A is one of four equal sides.

Set A is one-fourth of the set of eight chicks.

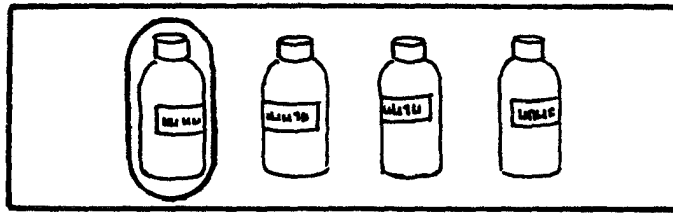
$\frac{1}{4}$  of eight chicks is 2.



These pictures show fourths of the sets.

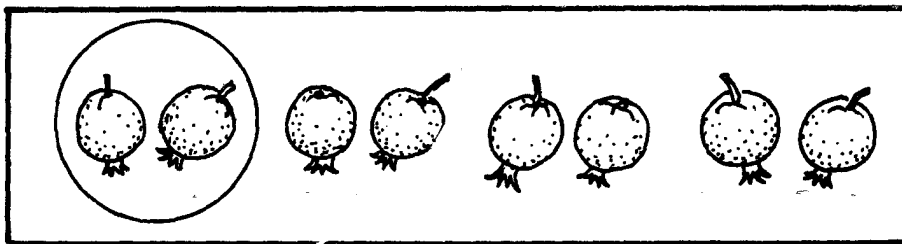
Study each one.

A. Set of 4 bottles.



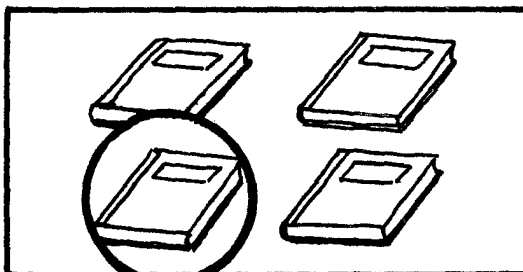
$\frac{1}{4}$  of four bottles is 1.

B. Set of 8 guavas.



$\frac{1}{4}$  of 8 guavas is 2.

C. Set of 4 books.



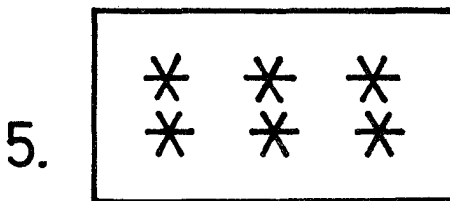
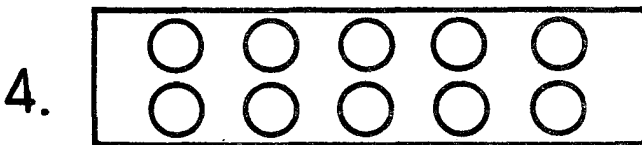
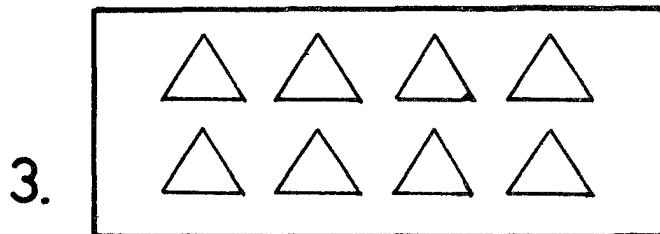
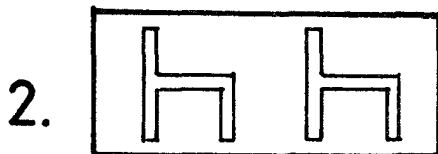
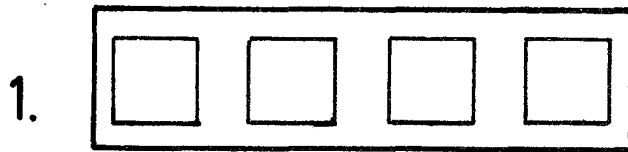
$\frac{1}{4}$  of 4 books is 1.

Remember:

One-fourth of the set is one of four smaller sets.  
The smaller sets are equal.

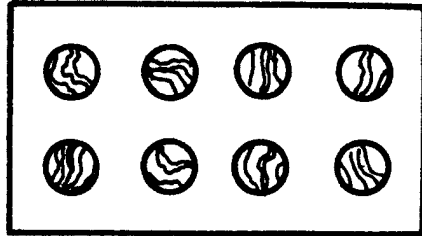


A. Copy and encircle one-half of each set.

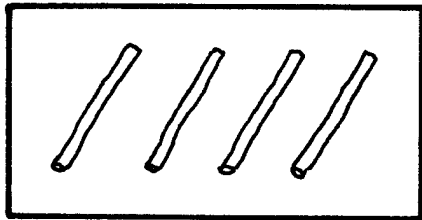


B. Copy and encircle one-fourth of each set.

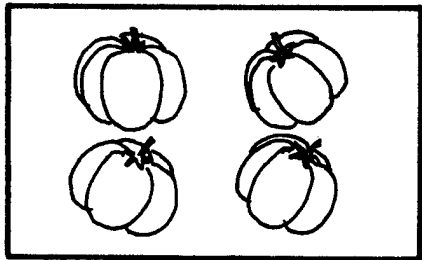
1.



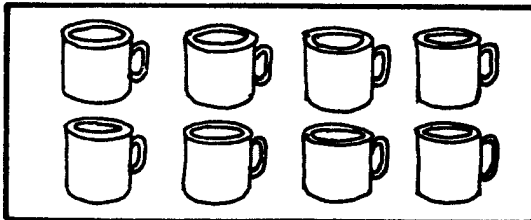
2.



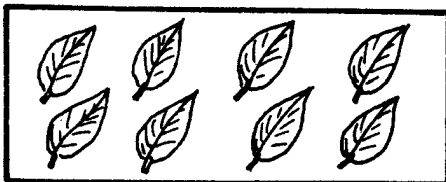
3.

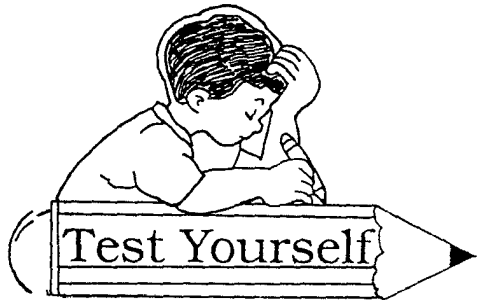


4.



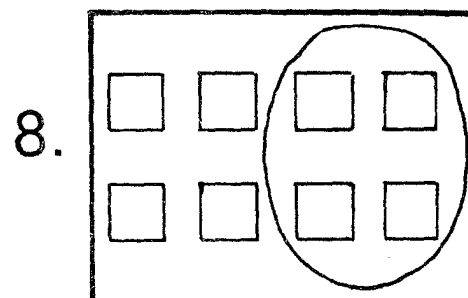
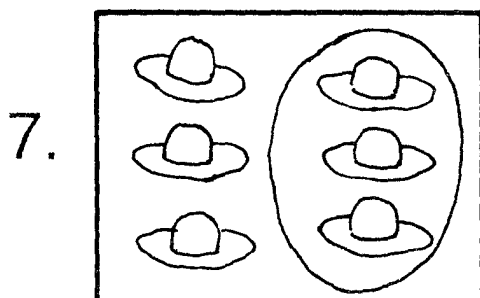
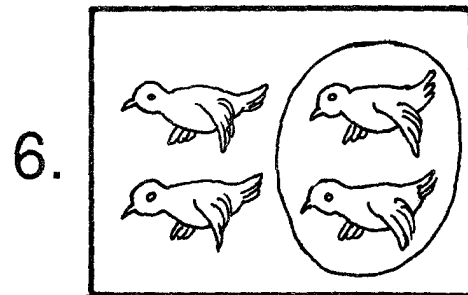
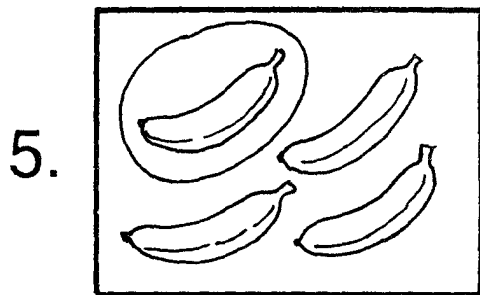
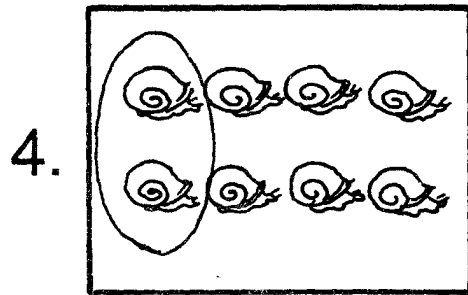
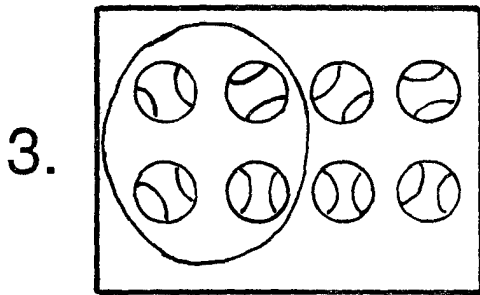
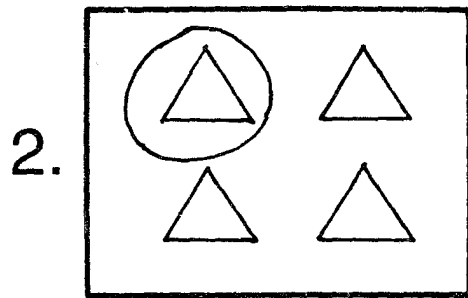
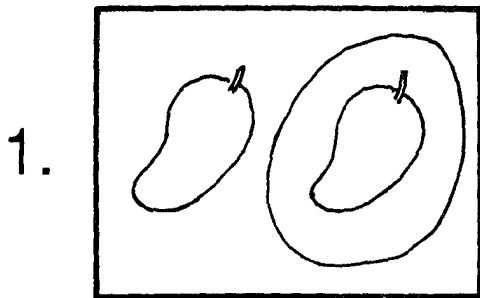
5.



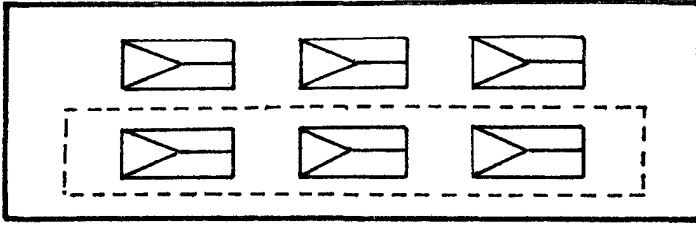


Study these sets.

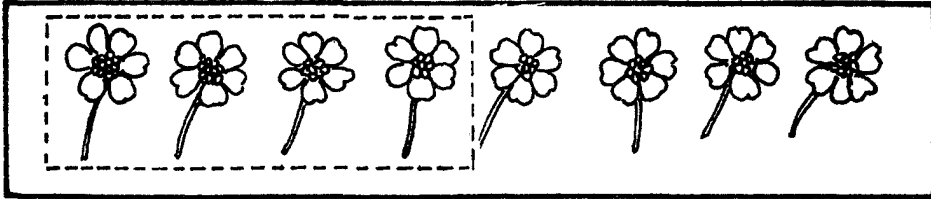
What part is encircled? Write  $\frac{1}{2}$  or  $\frac{1}{4}$



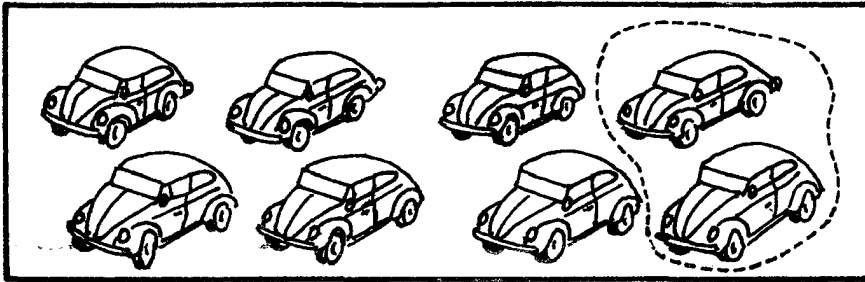
9.



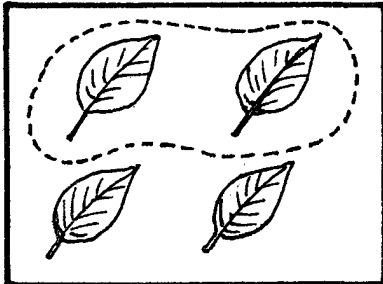
10.



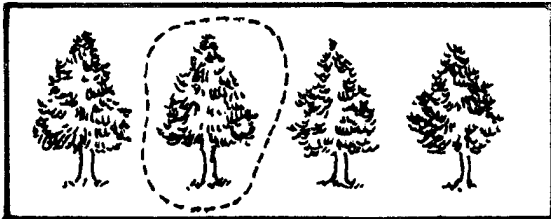
11.



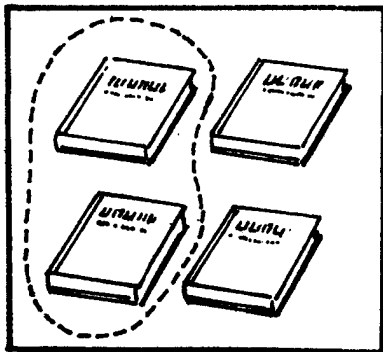
12.



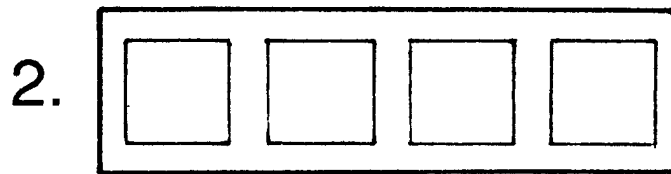
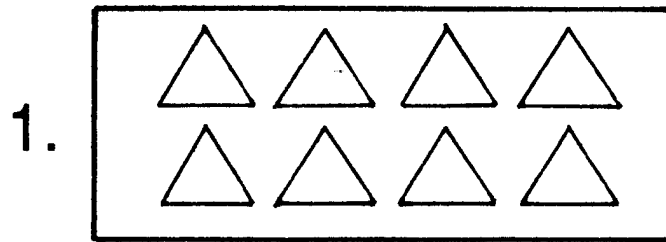
13.



14.



B. Copy and encircle halves.



C. Copy and encircle fourths.

