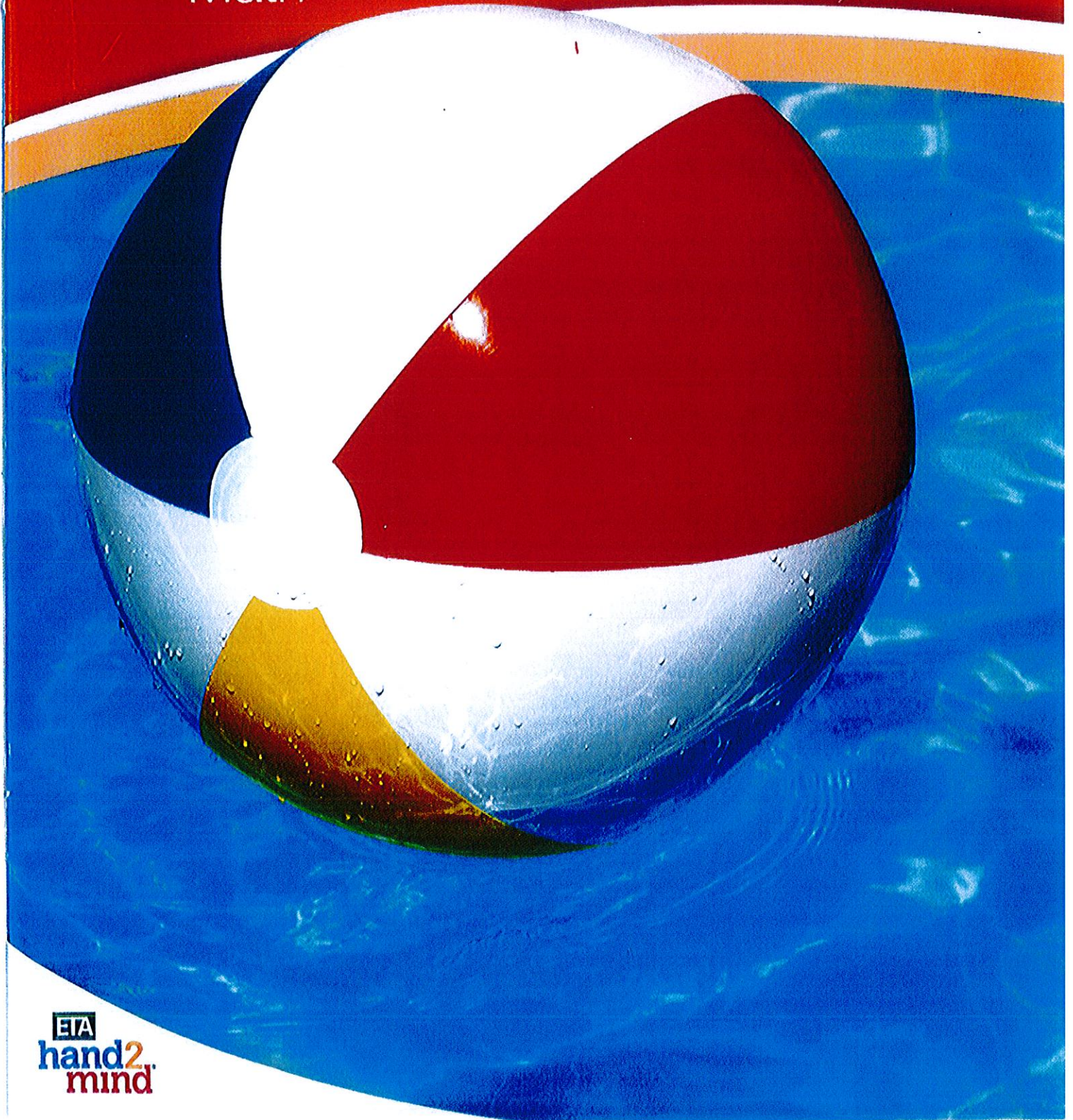


Versa
TILES

Math

Geometry

Shapes and Attributes



ETA
hand2
mind

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16 17 18 19 20 21 22 9 8 7 6 5 4 3 2 1

Down to Details

Find the number or word that makes the statement true.

1 A ■ has 6 corners.

2 A circle has ■ sides.

3 A hexagon has ■ sides.

4 A triangle has ■ corners.

5 A pentagon has ■ corners.

6 A square has 4 sides of the ■ length.

7 A pentagon has ■ more sides than a triangle.

8 A triangle has 3 sides of the same length or 3 sides of ■ lengths.

9 A ■ has 0 corners.

10 A ■ has 5 sides.

11 A rectangle has ■ corners.

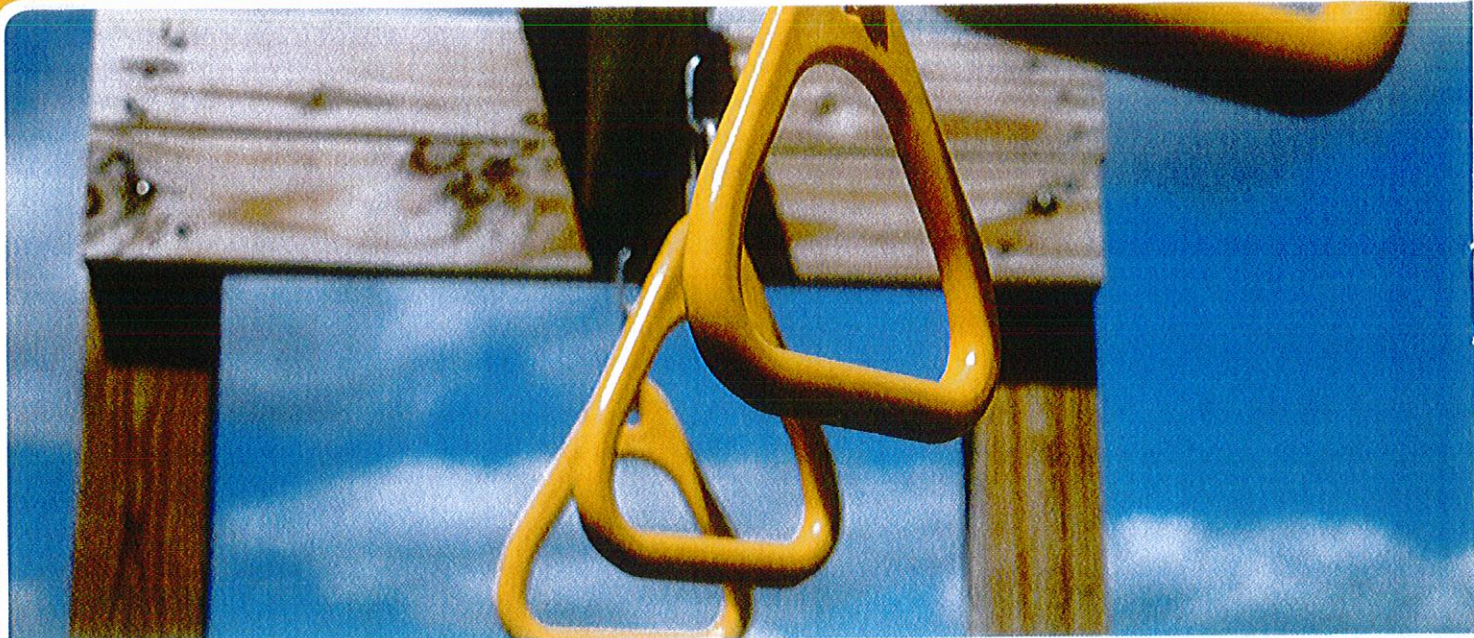
12 A rectangle and a ■ have the same number of sides.

A	B	C	D	E	F
6	circle	2	pentagon	same	0
5	4	hexagon	3	square	different
G	H	I	J	K	L

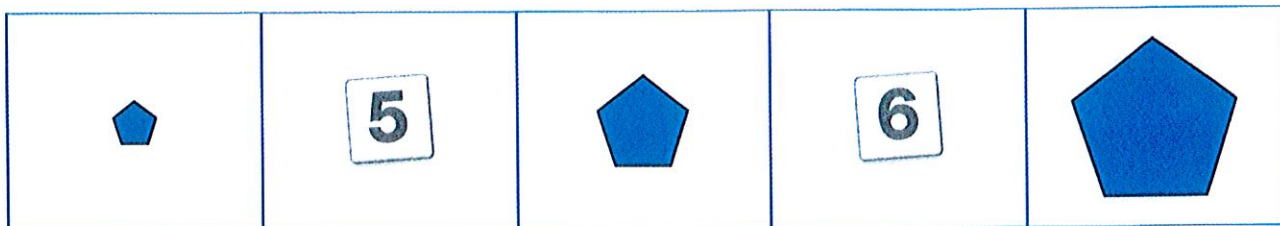
Objective: Describe a 2-dimensional figure by defining attributes.

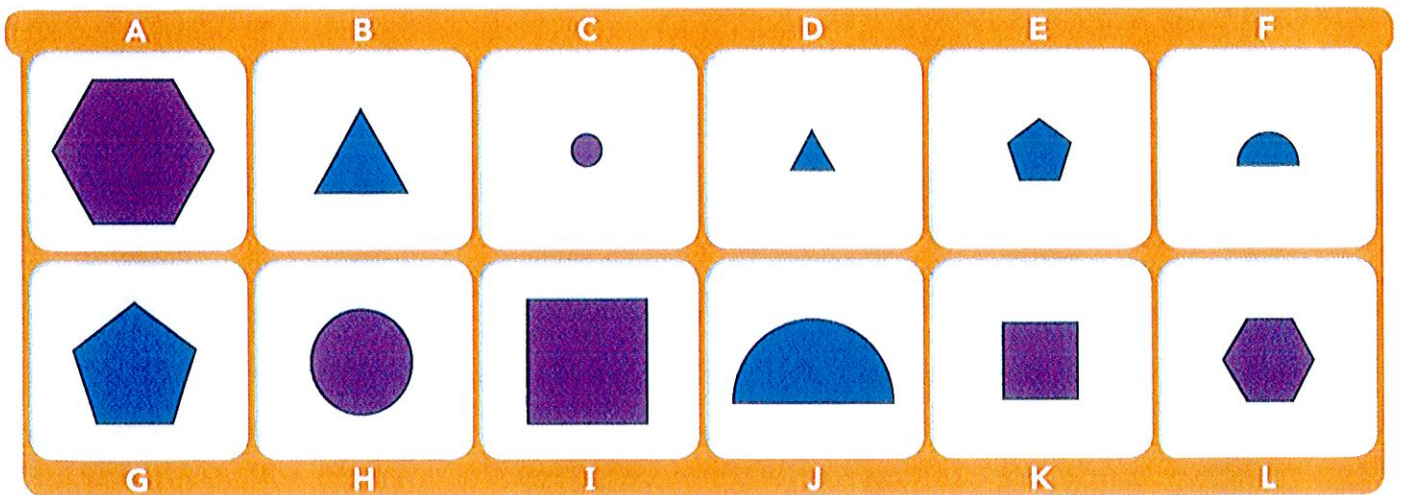
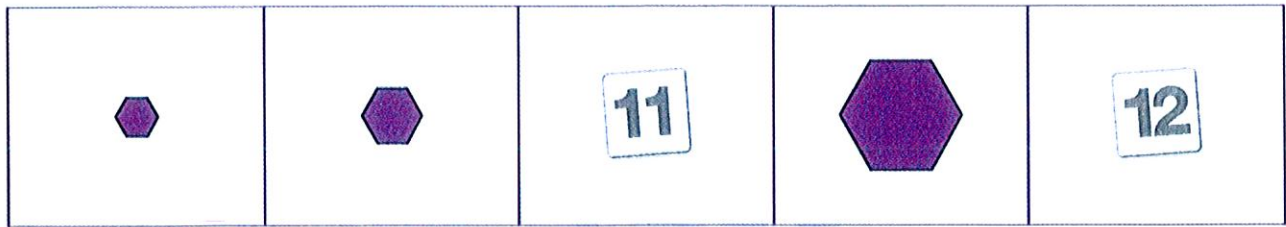
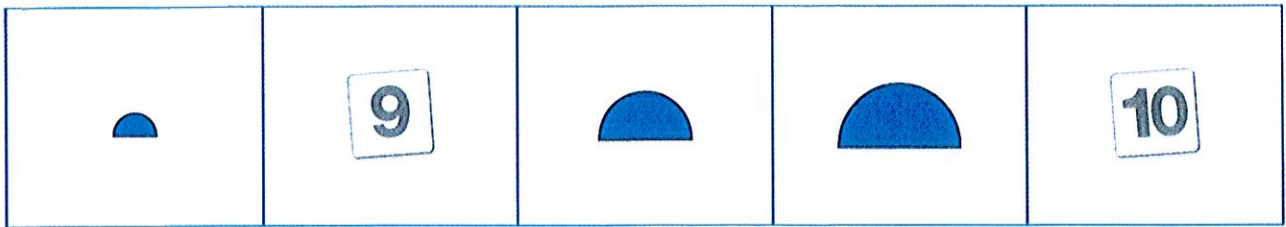
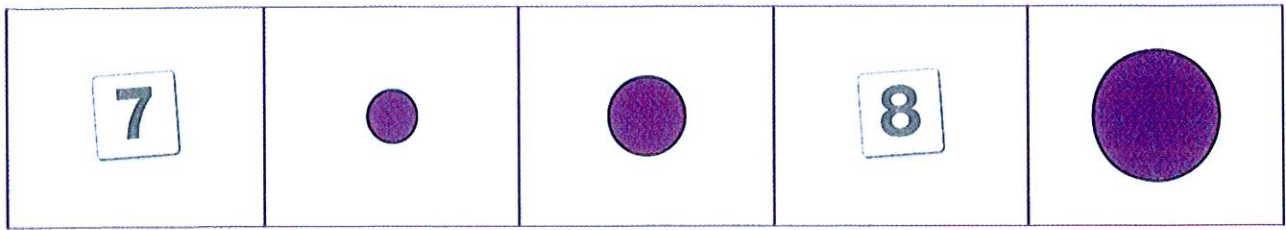


One After Another



Find the missing shape.





Objective: Identify shapes based on defining attributes.



What's the Shape?

Example

Which is always true?

A triangle:



is red or has 3 sides

A triangle has 3 sides. This is always true.

Which is always true?

1

A rectangle:



has 4 sides or is yellow

2

A pentagon:



is purple or has 5 sides

3

A hexagon:



is red or has 6 sides

4

A circle:



has 0 corners or has dots

5

A triangle:



has 3 corners or is point-side down

6

A square:



has stripes or has 4 corners

Which is not always true?

7 A hexagon: 
has dots or **has 6 corners**

8 A triangle: 
is point-side down or **has 3 corners**

9 A square: 
has 4 corners or **is yellow**

10 A pentagon: 
has stripes or **has 5 sides**

11 A rectangle: 
has 4 sides or **is red**

12 A circle: 
is blue or **has no corners**

A	B	C	D	E	F
has dots	has stripes	has 3 corners	is yellow	is blue	is point-side down
has 4 sides	has 0 corners	has 6 sides	is red	has 5 sides	has 4 corners
G	H	I	J	K	L

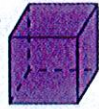
Objective: Describe a shape by a defining attribute.



A Cube

Which is always true?

A cube:



is purple or has square faces

A cube has square faces.

This is always true.

Example

Which is always true?

1

A sphere:



has 0 corners or is green

2

A cone:



has dots or has one round face

3

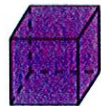
A cylinder:



is red or has two round faces

4

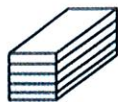
A cube:



has square faces or is purple

5

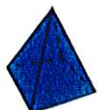
A rectangular prism:



has six faces or has stripes

6

A pyramid:



is blue or has some triangular faces

Which is not always true?

7

A cube: 

has square faces or is blue

8

A rectangular prism: 

has six faces or has stripes

9

A pyramid: 

has dots or has some triangular faces

10

A sphere: 

has 0 corners or is purple

11

A cone: 

is red or has one round face

12

A cylinder: 

is green or has two round faces

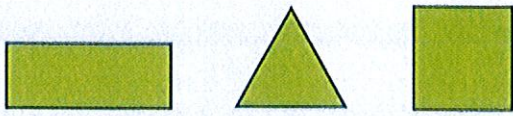
A	B	C	D	E	F
has six faces	is red	is green	has one round face	is blue	is purple
has two round faces	has dots	has some triangular faces	has stripes	has square faces	has 0 corners
G	H	I	J	K	L

Objective: Identify defining attributes of 3-dimensional shapes.



Telling Which Is Different

Find the shape that is different.

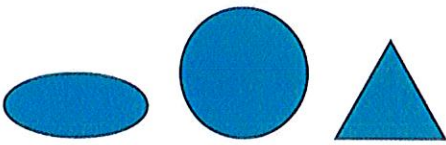


This shape has only 3 sides and 3 corners.
It is different.

Example

Find the shape that is different.

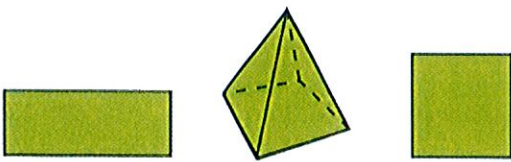
1



2



3



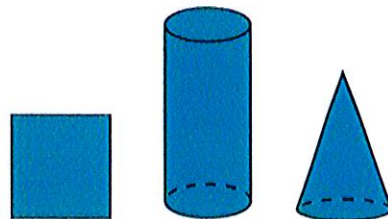
4



5



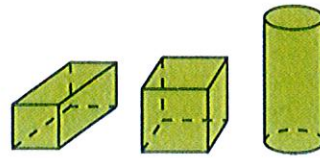
6



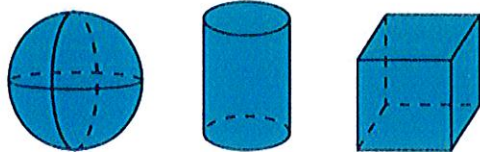
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8



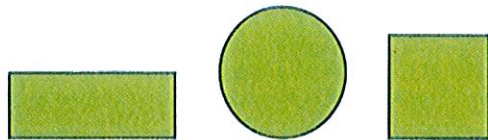
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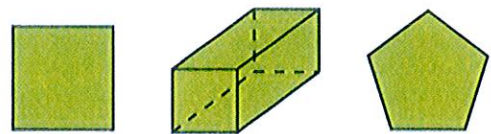
10



11



12






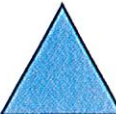
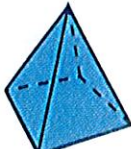











A	B	C	D	E	F
G	H	I	J	K	L

Objective: Identify the shape that is different based on attributes.



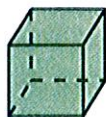


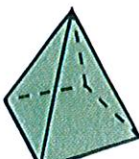

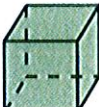

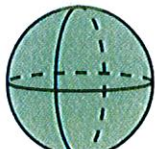



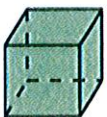
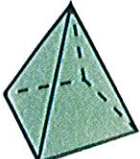



What Shape Is the Face?

Which is the shape of a face?

1				
2				
3				
4				

Find the 3-D shape with this face.

5				
6				
7				
8				

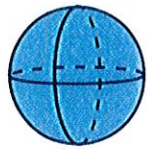
Find the best answer.

9



How many faces?

10



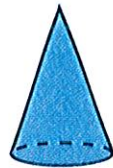
How many corners?

11






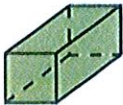

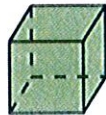


How many flat faces?

12



How many flat faces?

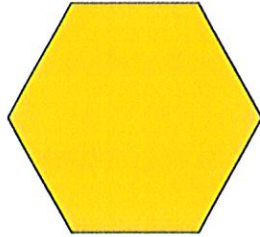
A	B	C	D	E	F
				6	
	0	1			2
G	H	I	J	K	L

Objective: Identify defining attributes of 3-dimensional shapes.



Make-a-Shape

Tell how many of each shape make the larger shape.



1



2



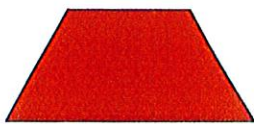
3



4

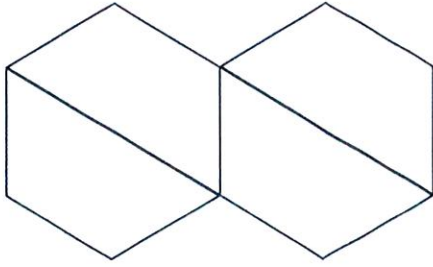


5



What shapes make this shape?

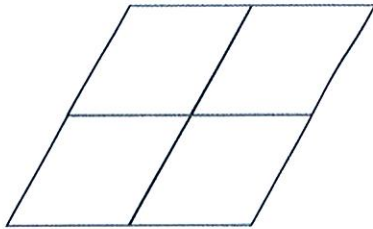
6



7



8



9



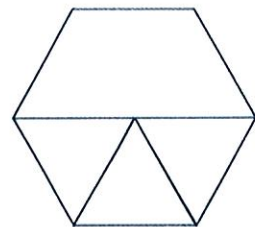
10



11



12



A	B	C	D	E	F
3	2	1 3	4	2	4
2 2	3	6	4	2 3	3
G	H	I	J	K	L

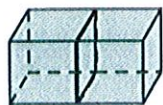
Objective: Combine 2-dimensional shapes to create a new shape.



Make a 3-D Shape

What two 3-D shapes make up these shapes?

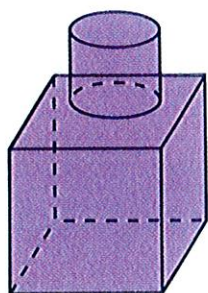
1



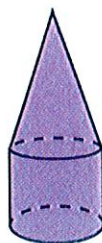
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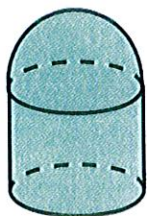
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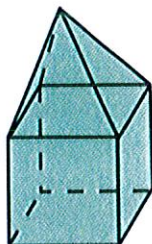
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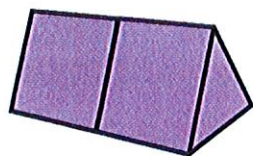
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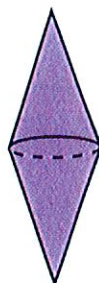
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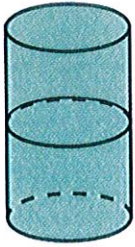
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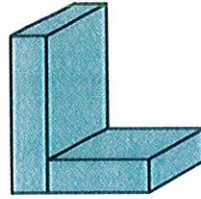
8



9



10



What two 3-D shapes make up these objects?

11



12



A 	B 	C 	D 	E 	F
G 	H 	I 	J 	K 	L

Objective: Combine shapes to make larger shapes.









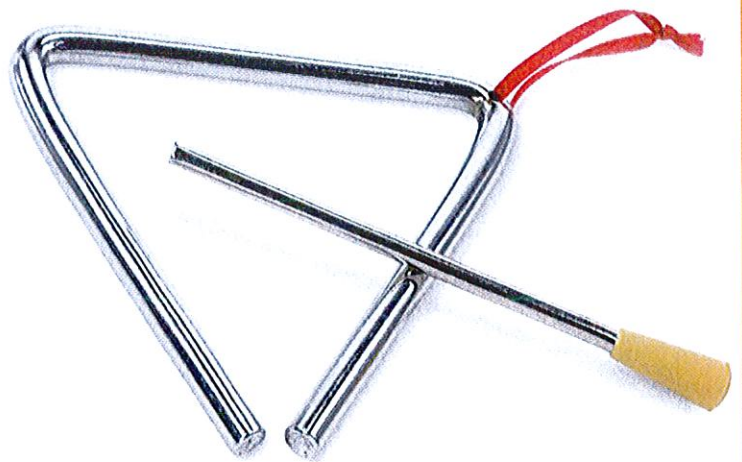
Taking Shape



Find the number or word to make the statement true.

- 1 A rectangle has 4 ■ sides.
curved or **straight**
- 2 Every ■ has 3 corners.
oval or **triangle**
- 3 A rectangle has 2 long and
■ short sides.
0 or **2**
- 4 A triangle has 3 ■.
curves or **corners**
- 5 A square has ■ corners.
2 or **4**
- 6 A quadrilateral has 4 ■.
sides or **curves**

- 7** Every  has 0 corners.
square or **oval**
- 8** A triangle has  sides.
3 or **4**
- 9** The sides of a  must all be the same length.
square or **rectangle**
- 10** A  is round.
circle or **triangle**
- 11** A circle has 1  side.
straight or **curved**
- 12** A circle has  corners.
0 or **3**



A	B	C	D	E	F
corners	straight	sides	triangle	2	square
oval	circle	3	0	4	curved
G	H	I	J	K	L

Objective: Identify defining attributes of 2-dimensional shapes.



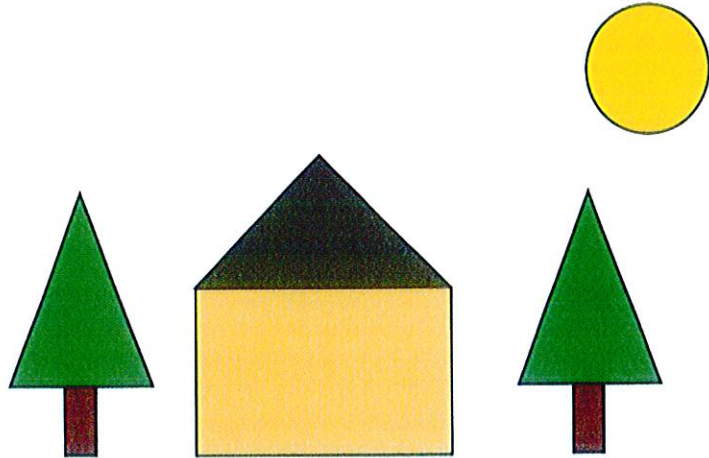
Shapes in Shapes

Find the shapes in the picture.
Count the number.

1 ■ circle

2 ■ rectangles

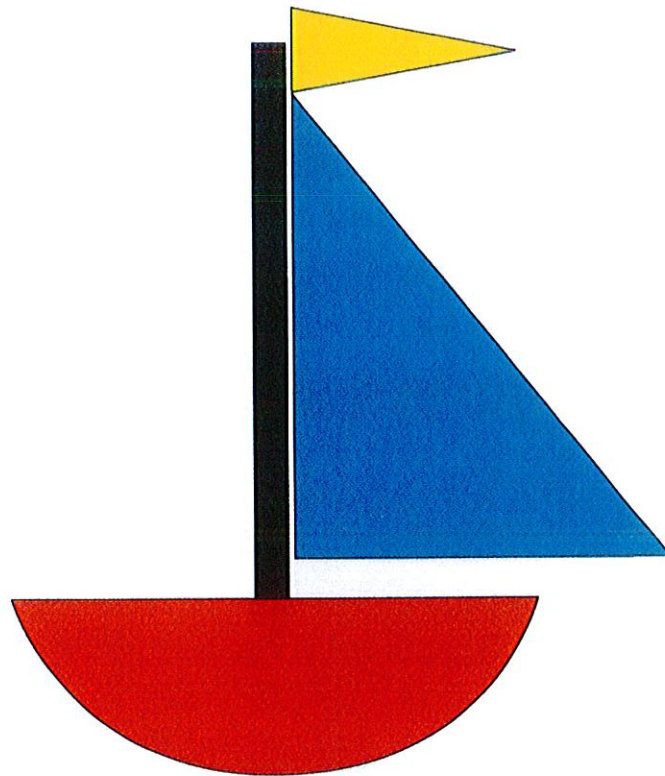
3 ■ triangles



4 ■ semi-circle

5 ■ triangles

6 ■ rectangle

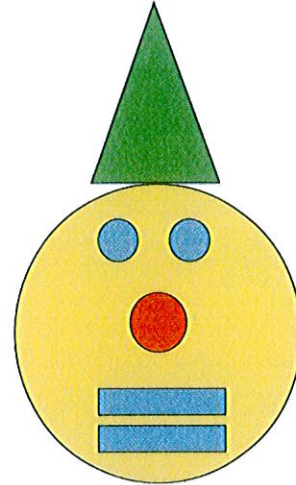


Find the shapes in the picture.
Count the number.

7 ■ circles

8 ■ rectangles

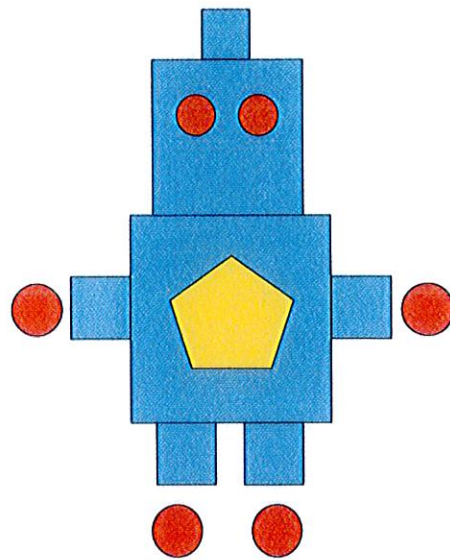
9 ■ triangle



10 ■ circles

11 ■ pentagon

12 ■ squares



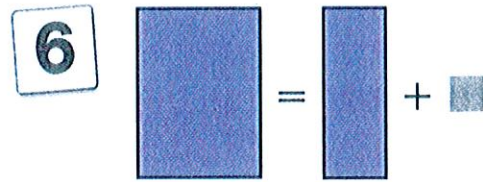
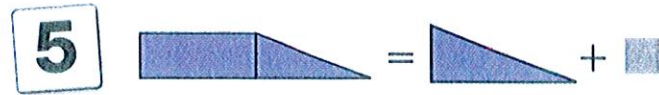
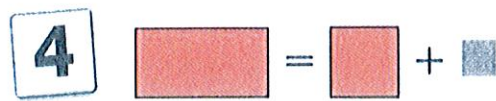
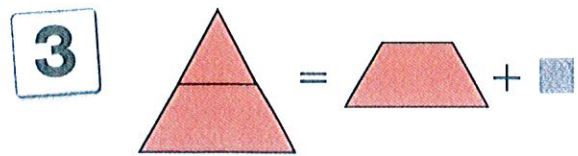
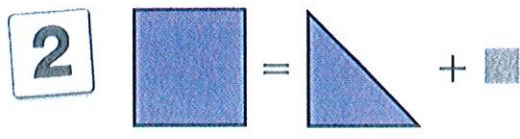
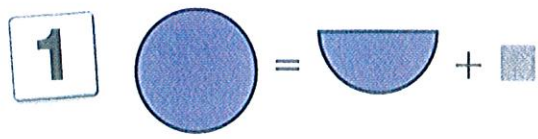
A	B	C	D	E	F
3 triangles	1 triangle	1 rectangle	2 rectangles	1 semi-circle	1 circle
1 pentagon	2 triangles	7 squares	3 rectangles	6 circles	4 circles
G	H	I	J	K	L




Objective: Identify shapes within larger shapes.







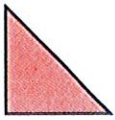

All Together


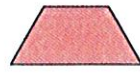

Look at the picture. Find the missing part.

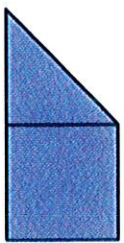
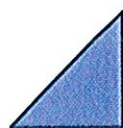






7  =  + 




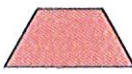








8  =  + 

9  =  + 

10  =  + 

11  =  + 

12  =  + 

A	B	C	D	E	F
					
					
G	H	I	J	K	L

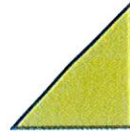
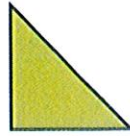
Objective: Decompose shapes into composite shapes.



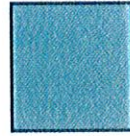
Put It All Together

Find 2 shapes that combine to make this shape.

1



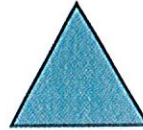
2



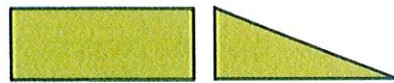
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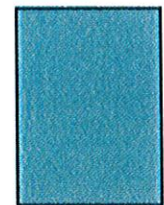
4



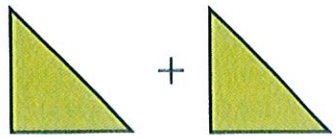

5

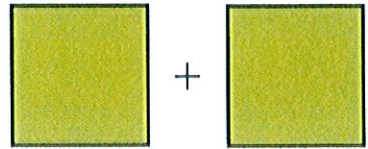



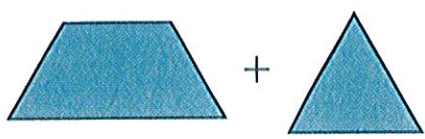

6

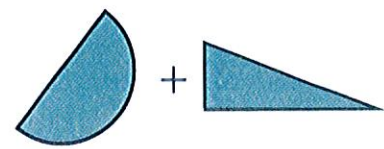



Combine the shapes. Find the new shape.

7  = 


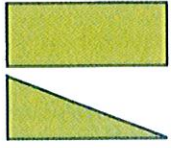
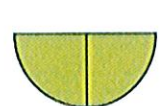
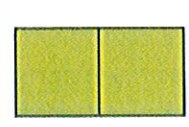
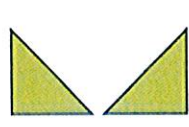
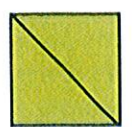
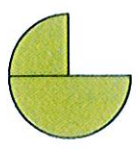
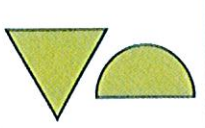

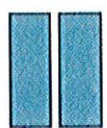
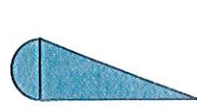

8  = 

9  = 

10  = 

11  = 

12  = 

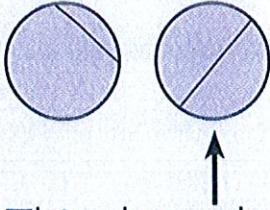
A	B	C	D	E	F
					
G	H	I	J	K	L
					

Objective: Identify shapes combined to make a new shape.



Halves

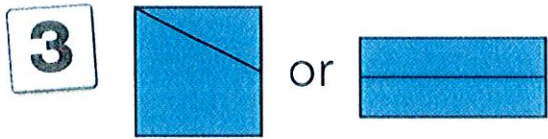
Which shows halves?



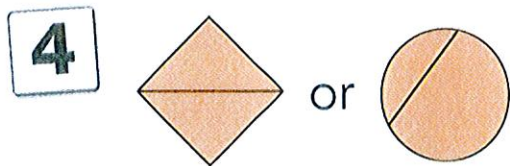
This shows halves. It has 2 equal parts.

Example

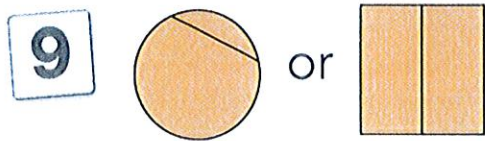
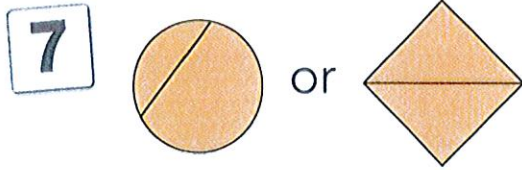
Which shows halves?



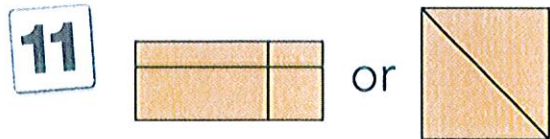
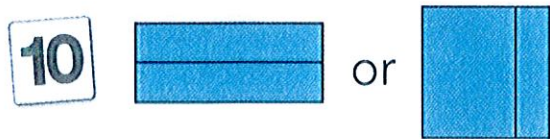
Which shows 2 equal shares?

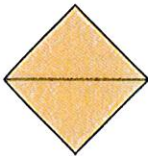
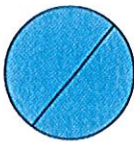
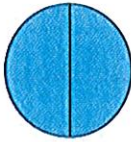
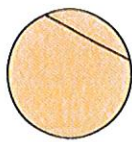



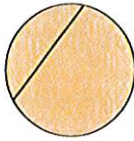

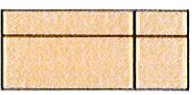
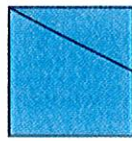



Which does not show halves?



Which does not show 2 equal shares?



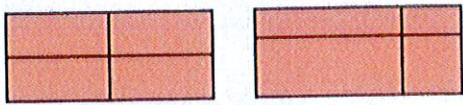
A	B	C	D	E	F
					
G	H	I	J	K	L
					

Objective: Identify rectangles and circles partitioned into halves.



Four Parts

Which shows fourths?

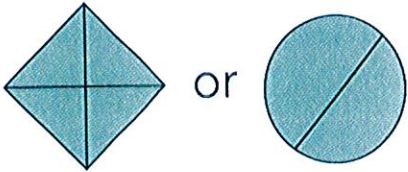


4 equal parts shows fourths.

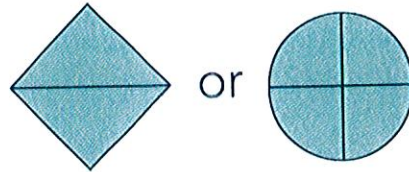
Example

Which shows fourths?

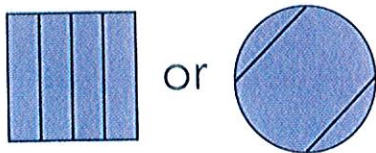
1



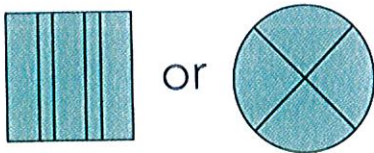
2



3



4



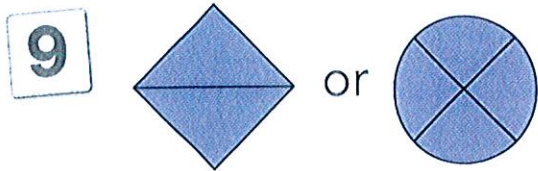
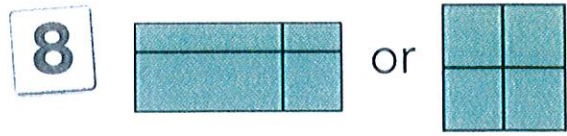
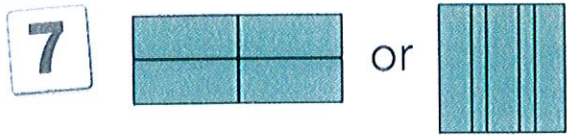
5



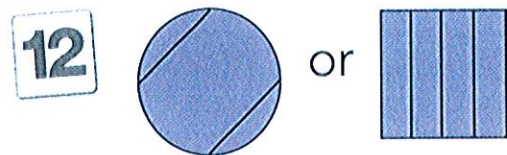
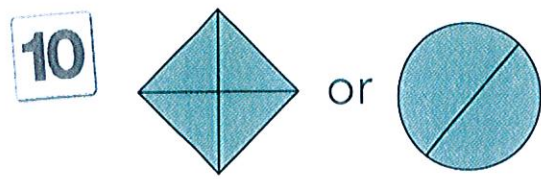
6



Which does not show fourths?



Which does not show quarters?



A	B	C	D	E	F
G	H	I	J	K	L

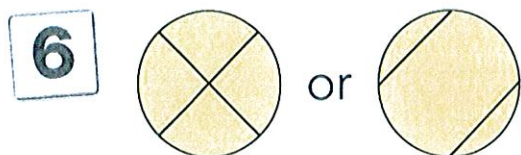
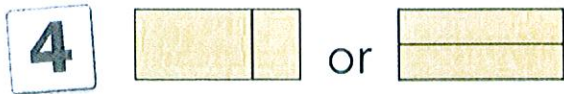
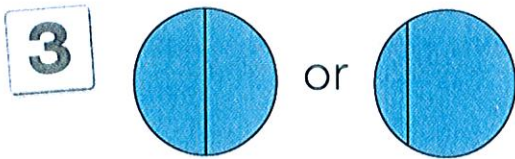
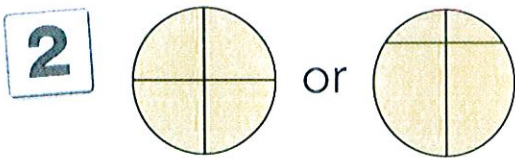
Objective: Identify rectangles and circles partitioned into fourths.



Equal or Unequal Parts?



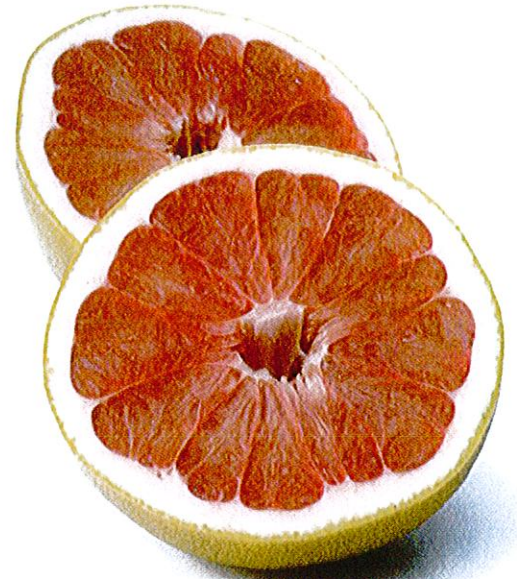
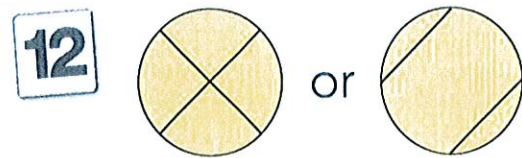
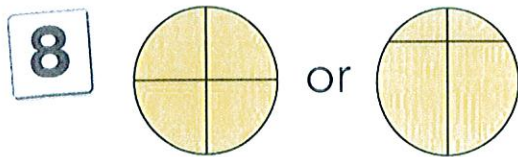
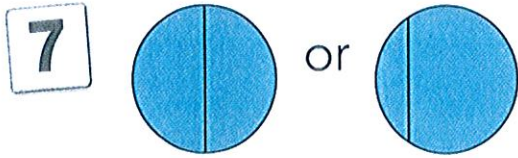
Which shows equal parts?



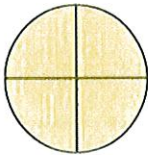
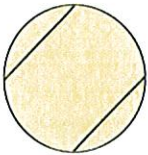

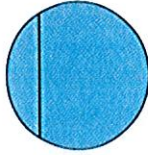
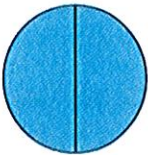

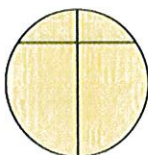
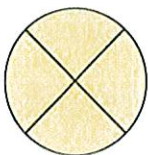

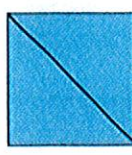


Tip

Are the parts
the same size?

Which shows unequal parts?



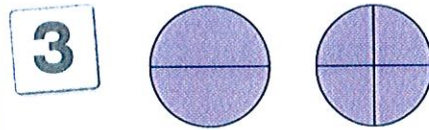
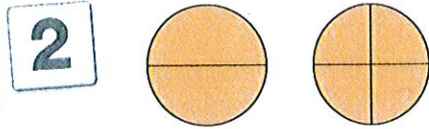
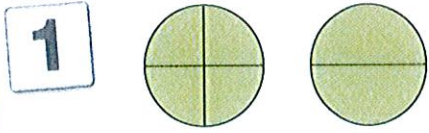
A 	B 	C 	D 	E 	F 
G 	H 	I 	J 	K 	L 

Objective: Identify if parts are equal or unequal.

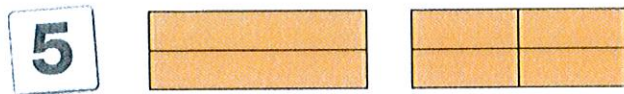


Equal Parts

Which shows 4 equal shares?



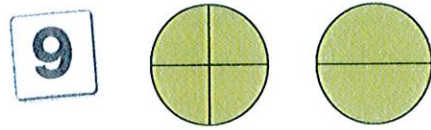
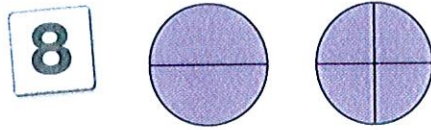
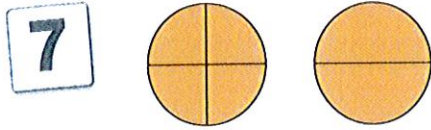
Which shows 2 equal shares?



Tip

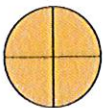


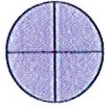



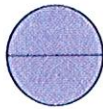
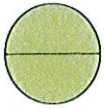

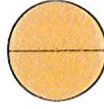

More equal shares makes smaller shares.

Which shows 2 equal shares?



Which shows 4 equal shares?



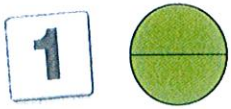
A	B	C	D	E	F
					
					
G	H	I	J	K	L

Objective: Identify rectangles and circles that are partitioned into 2 or 4 equal parts.



More Equal Parts

How many shares is the whole?



Which shows:



11 Do thirds have 3 equal shares? Yes or No?

12 Do halves have 3 equal shares? Yes or No?

A	B	C	D	E	F
	Yes	4	No		
					2
G	H	I	J	K	L

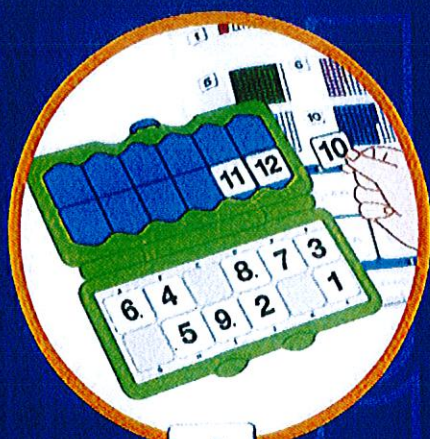
Objective: Identify halves or fourths.



Four simple steps to success with VersaTiles®.

Grade

1



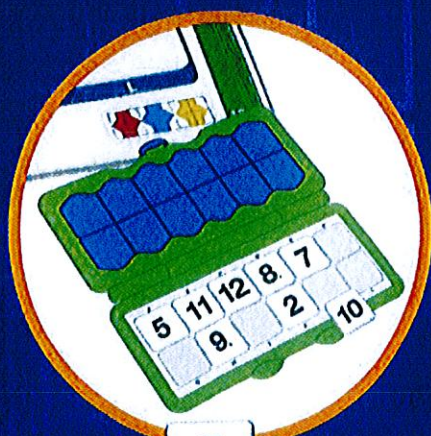
1

Answer questions



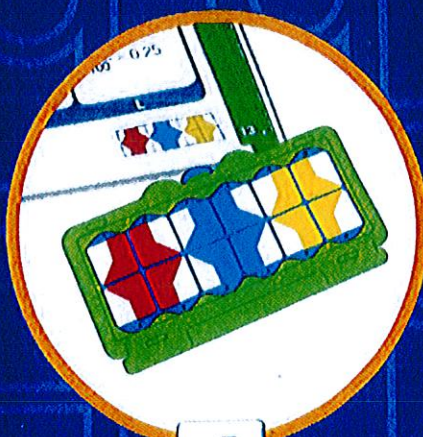
2

Flip and check



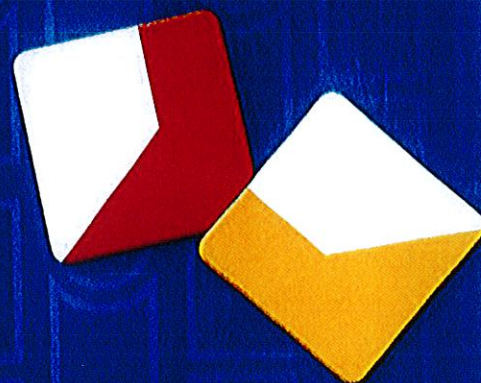
3

Open and self-correct



4

Match




Did you know...

- There are over 2,300 different answer patterns.
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- You can practice at home.

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