

**Versa**  
**Tiles**

Math

Geometry  
**Shapes and**  
**Attributes**



ETA  
**hand2**  
**mind**



# CONTENTS

---

- |    |                            |    |                             |
|----|----------------------------|----|-----------------------------|
| 1  | What Does It Look Like?    | 16 | Partition a Rectangle       |
| 2  | Telling Which Is Different | 18 | How Many Squares?           |
| 4  | Describe Me!               | 20 | Two or Three Equal Shares   |
| 6  | Shape Names                | 22 | More Pieces                 |
| 8  | What's Your Name?          | 24 | Sharing                     |
| 10 | Who Am I?                  | 26 | Halves, Thirds, and Fourths |
| 11 | Tell Me About It           | 28 | Your Move                   |
| 12 | Name Tags                  | 30 | Using a Picture             |
| 14 | Rows and Columns           | 32 | Share and Share Alike       |

---

**VersaTiles® Geometry: Shapes and Attributes, Grade 2**

84661

978-1-63406-029-5

**ETA hand2mind**

500 Greenview Court • Vernon Hills, Illinois 60061-1862 • 800.445.5985 • [hand2mind.com](http://hand2mind.com)

© 2016 hand2mind, Inc., Vernon Hills, IL, USA

All rights reserved.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of the publisher.

Printed in the United States of America.

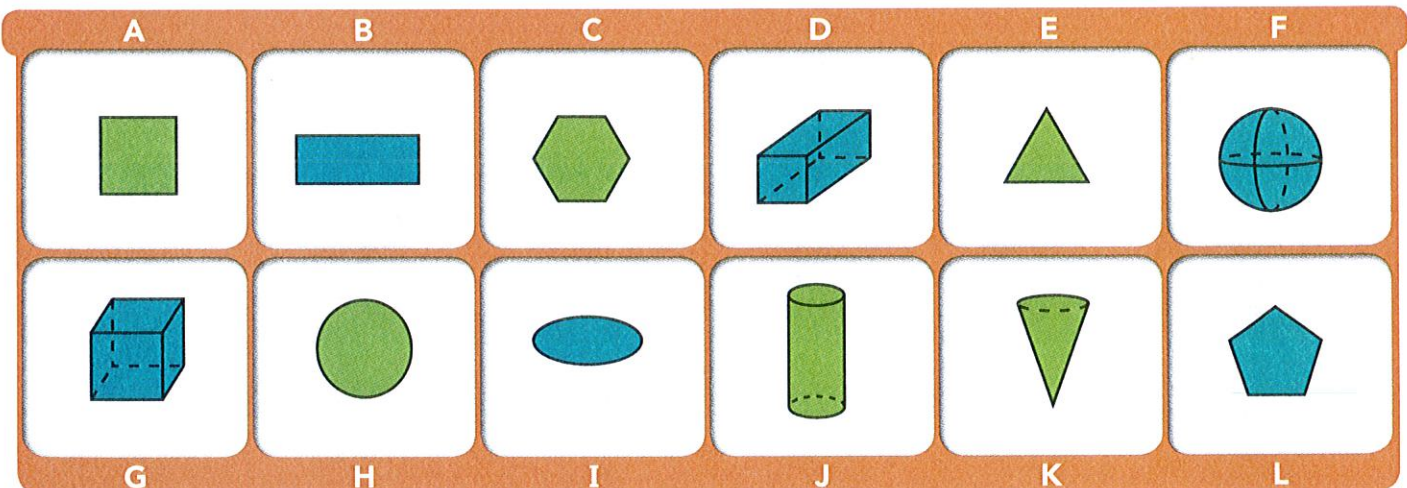
16 17 18 19 20 21 22 9 8 7 6 5 4 3 2 1



# What Does It Look Like?

Find the shape.

- 1** It is not flat. It can roll. It has no flat faces.
- 2** It is flat. It has 2 long sides. It has 2 short sides.
- 3** It is flat. It has 6 sides.
- 4** It is flat. It has 3 corners.
- 5** It stacks. It can roll. It has the shape of a soup can.
- 6** It is flat. It has 4 sides. All sides are the same.
- 7** It is flat. It has 5 corners.
- 8** It stacks. It has 6 faces. All faces are the same.
- 9** It stacks. It has 6 faces. The faces are not all the same.
- 10** It can roll. It has 1 flat face. You might eat ice cream in it.
- 11** It has no corners. It is flat. It is not a circle.
- 12** It is flat. It has no corners or sides.

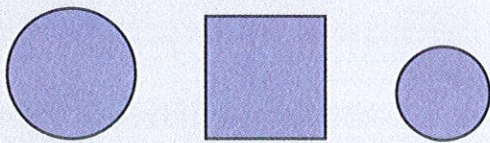


**Objective:** Identify a 2- or 3-dimensional shape by its attributes.



# Telling Which Is Different

Find the shape that is different.

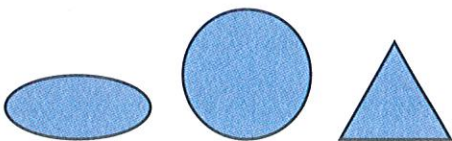


This shape is different.  
It has straight sides and corners.

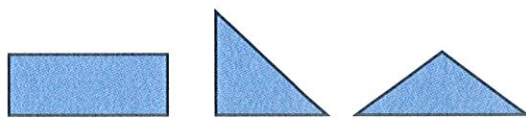
Example

Find the shape that is different.

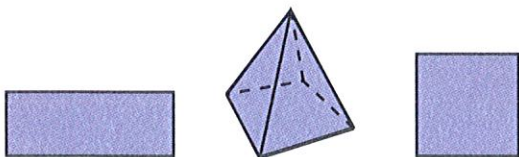
1



2



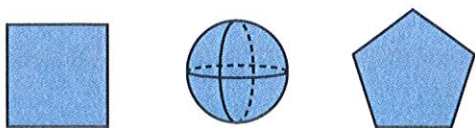
3



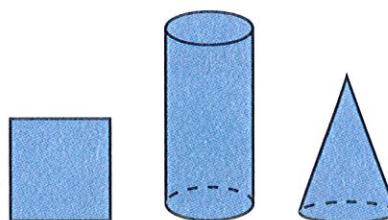
4



5



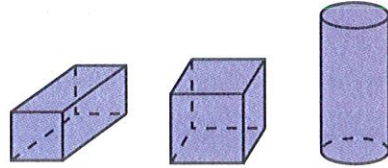
6



7



8



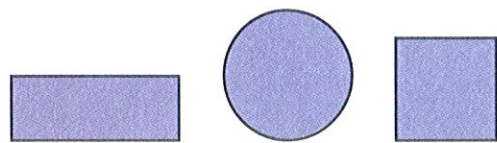
9



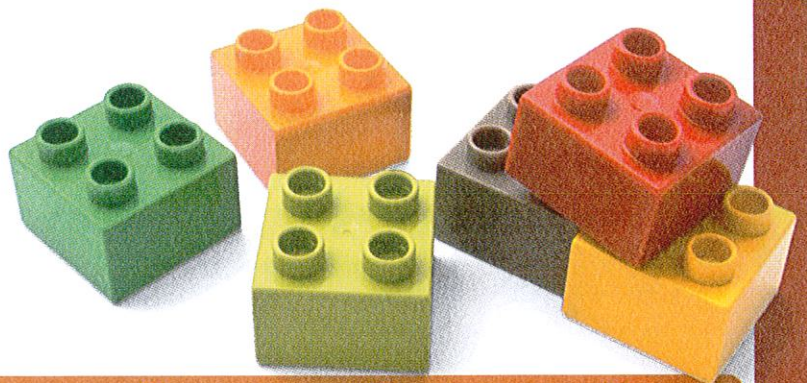
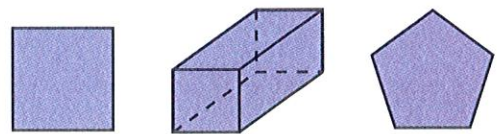
10



11



12



A



B



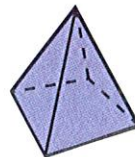
C



D



E



F



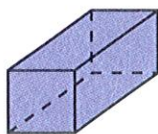
G



H



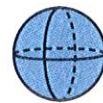
I



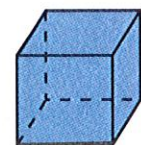
J



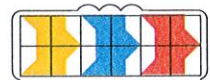
K



L



Objective: Identify the shape that is different.



# Describe Me!



Use the picture. Find the answer.



- 1 How many sides?
- 2 What shape is the stop sign?

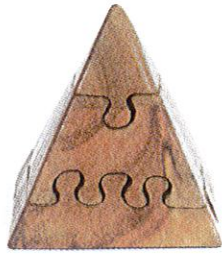


- 3 This is the shape of a ■.
- 4 How many faces does it have?



- 5 The can has ■ flat faces.
- 6 The can is the shape of a ■.





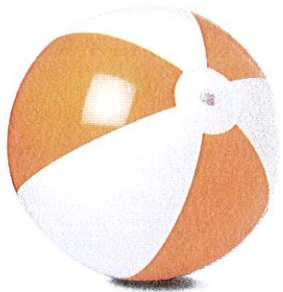
**7** This is the shape of a ■.

**8** It has ■ corners.



**9** The juice box is the shape of a ■.

**10** How many faces does it have?

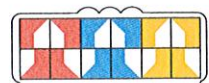


**11** The ball is the shape of a ■.

**12** How many corners does it have?

A	B	C	D	E	F
cone	rectangular prism	cylinder	octagon	1	8
sphere	2	5	0	6	pyramid
G	H	I	J	K	L

**Objective:** Complete a sentence that describes a given picture.



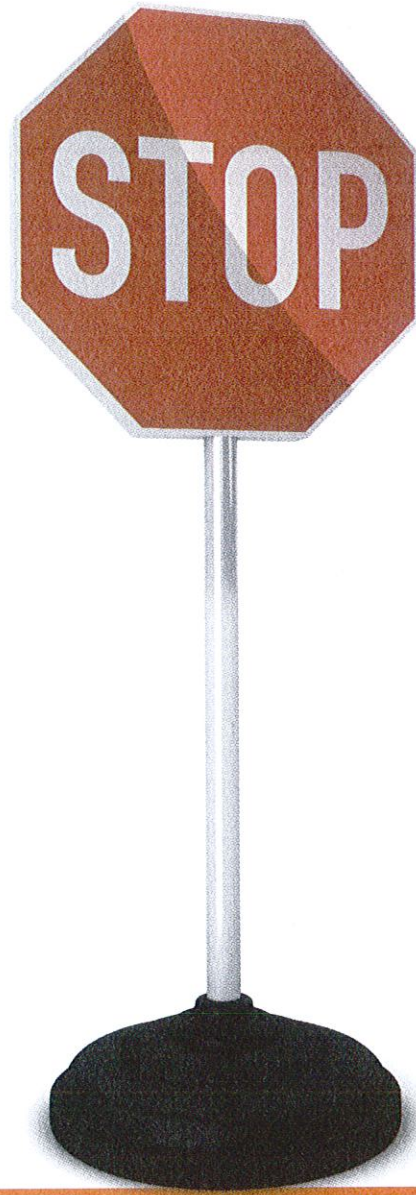
# Shape Names

Choose the best answer.

- 1** A ■ has 1 flat face in the shape of a circle.  
cone or cube
- 2** A ■ is the shape of a rectangular prism.  
box or ball
- 3** A cube has ■ corners.  
4 or 8
- 4** A cylinder has ■ flat faces.  
2 or 6
- 5** A cylinder's faces have the shape of a ■.  
circle or square
- 6** A rectangular prism ■.  
stacks or rolls
- 7** A ■ has 6 faces.  
cube or cone



- 8** A square has ■ corners.  
4 or 8
- 9** A ■ has the shape of a sphere.  
box or ball
- 10** A rectangular prism has ■ faces.  
2 or 6
- 11** A cube's faces have the  
shape of a ■.  
square or circle
- 12** A sphere ■.  
stacks or rolls



A	B	C	D	E	F
cone	2	square	circle	box	stacks
cube	6	ball	8	rolls	4
G	H	I	J	K	L

**Objective:** Select the correct word to complete a sentence that describes a 3-dimensional shape.



# What's Your Name?

Choose the best answer.

- 1 A ■ has 6 flat faces.  
cube or sphere
- 2 A cylinder has ■ flat faces.  
1 or 2
- 3 A cube ■.  
stacks or rolls
- 4 A rectangular prism has ■ faces.  
6 or 0
- 5 A ■ rolls. It does not stack.  
cube or sphere
- 6 A ■ has one flat side and it can roll.  
cone or square
- 7 A sphere ■.  
rolls or stacks
- 8 A cube has 6 ■ faces.  
round or square

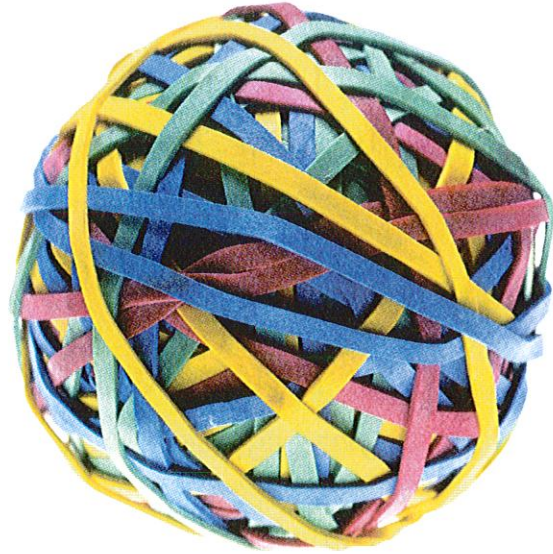


**9** A cube has ■ corners.  
6 or 8

**10** A book has the shape of a ■.  
box or cone

**11** A cone has 1 ■ face.  
round or square

**12** A sphere has ■ flat faces.  
8 or 0



A	B	C	D	E	F
2	cone	cube	6	8	stacks
0	square	rolls	box	sphere	round
G	H	I	J	K	L

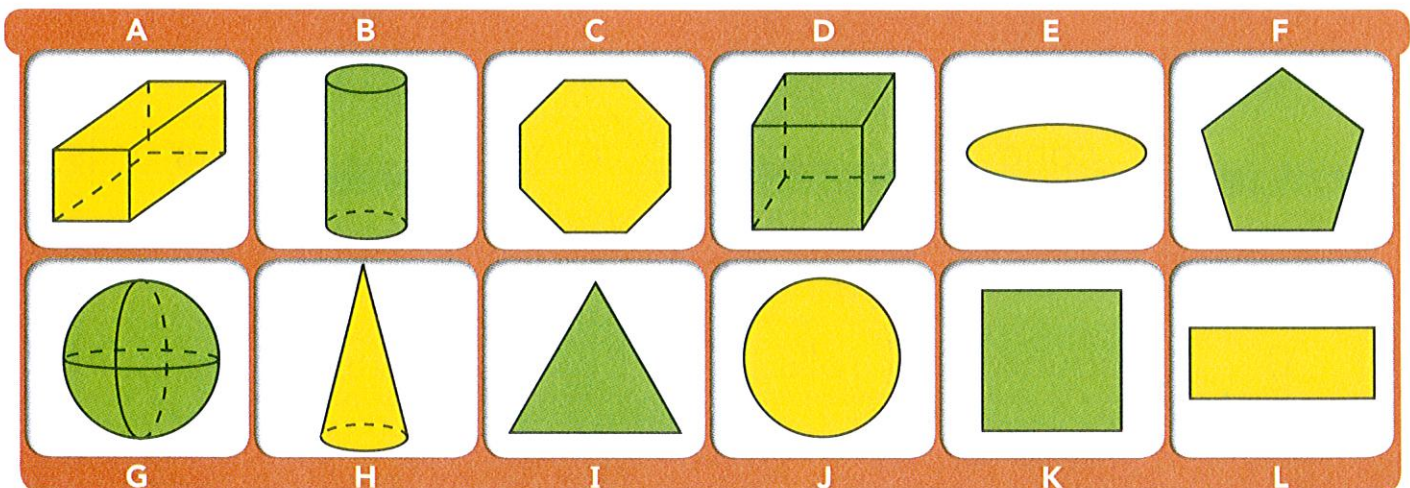
**Objective:** Recognize attributes of a 3-dimensional shape.



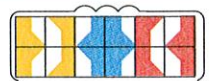
# Who Am I?

## Find the shape.

- 1** It has no sides or corners. It is round. It rolls.
- 2** It is flat. It has no corners. It curves the same all around.
- 3** It is flat. It has 2 long sides and 2 short sides.
- 4** It stacks and rolls. It is the shape of a can.
- 5** It is flat. It has 5 corners.
- 6** It is flat. It has 3 sides and 3 corners.
- 7** It has 1 flat face. It rolls. The flat face is a circle.
- 8** It stacks. It has 6 flat faces. All the faces are the same.
- 9** It is flat. It is not a circle. It has no sides or corners.
- 10** It stacks. It has 6 faces. Some of the faces are not square.
- 11** It is flat. All 4 sides are the same length.
- 12** It is flat. It has 8 sides and 8 corners.



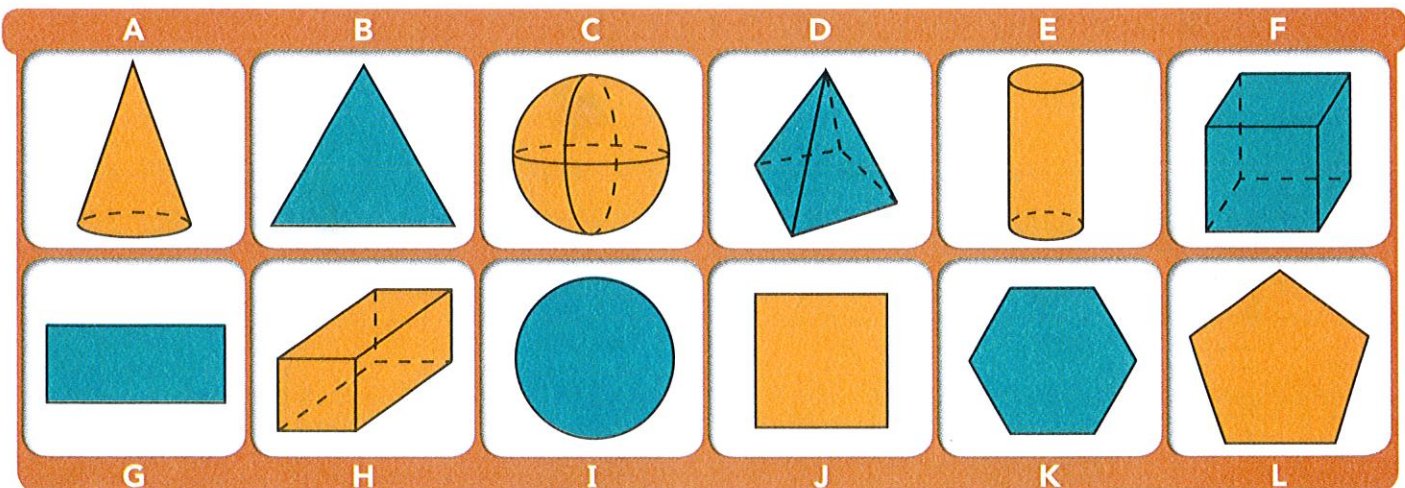
**Objective:** Identify a 2- or 3-dimensional shape, from a given description.



# Tell Me About It

Find the shape.

- 1 It is flat. It is round like a wheel.
- 2 It has 6 sides and 6 corners. It is flat.
- 3 It has 4 sides and 4 corners. 2 sides are short.
- 4 It is flat. It has 4 sides. All of the sides are the same.
- 5 It is flat. It has 3 sides.
- 6 It is flat. It has 5 sides.
- 7 4 of its flat faces are triangles. One face is a square.
- 8 Its faces are all the same size and are squares. It stacks.
- 9 It has 6 flat faces. Some faces are squares, and some are not.
- 10 It is round. It rolls. It has the shape of a ball.
- 11 It has a point at the top. One flat face is a circle.
- 12 It rolls and stacks. Its 2 flat faces are circles.



**Objective:** Identify a 2- or 3-dimensional shape, from a given description.



# Name Tags

Choose the best answer.

- 1 A ■ has the shape of a rectangle.  
ruler or wheel
- 2 Every ■ has 3 corners.  
oval or triangle
- 3 A rectangle has 2 long and  
■ short sides.  
0 or 2
- 4 A ■ has the shape of a circle.  
button or book
- 5 A square has ■ corners.  
2 or 4
- 6 A ■ has the shape of a quadrilateral.  
button or book
- 7 No ■ has 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 ■ has the shape of a circle.  
ruler or wheel

**12** A circle has ■ corners.  
0 or 3



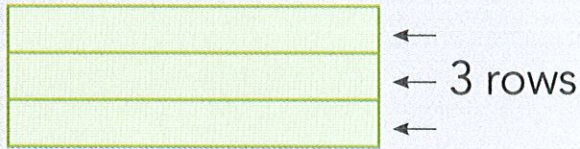
A	B	C	D	E	F
0	3	button	circle	4	wheel
book	triangle	oval	ruler	2	square
G	H	I	J	K	L

**Objective:** Select the correct word to complete a sentence that describes a 2-dimensional shape.

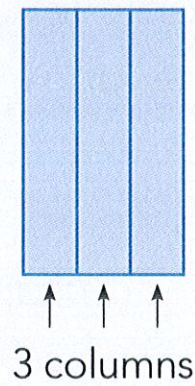


# Rows and Columns

You can make rows in a rectangle.



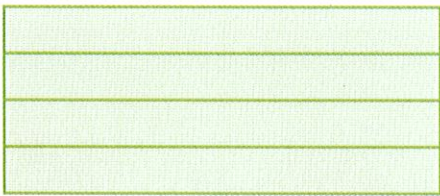
You can make columns.



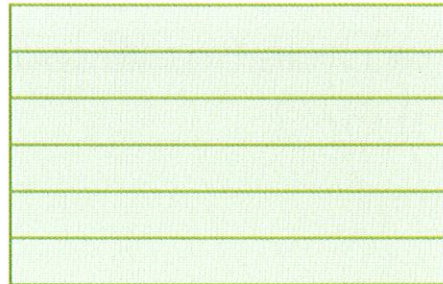
Example

How many rows?

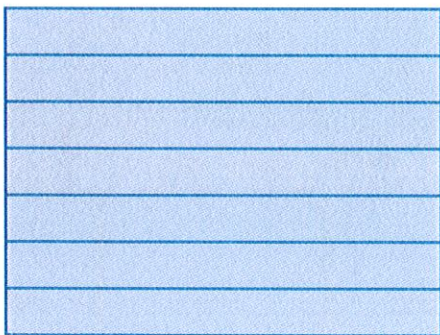
1



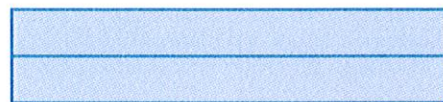
2



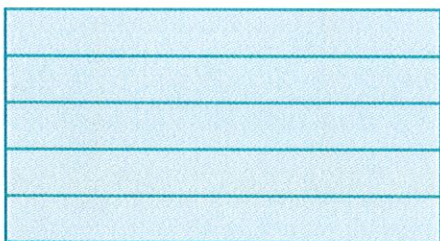
3



4



5

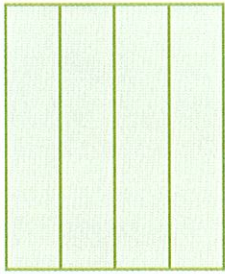


6

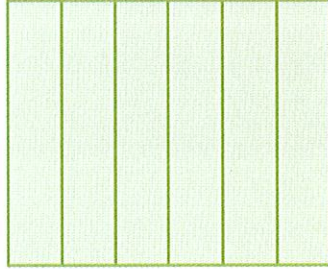


# How many columns?

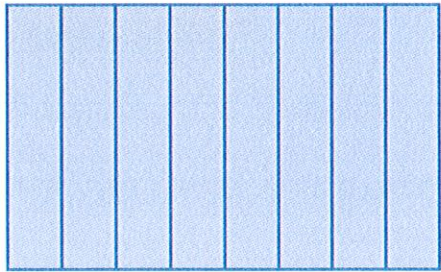
7



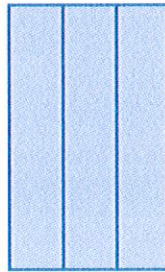
8



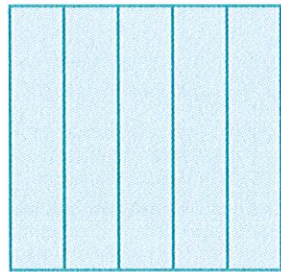
9



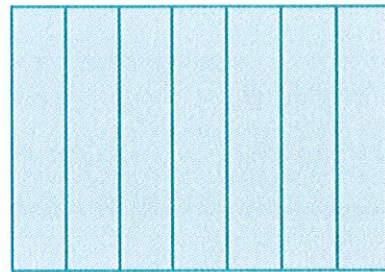
10



11

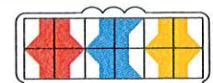


12



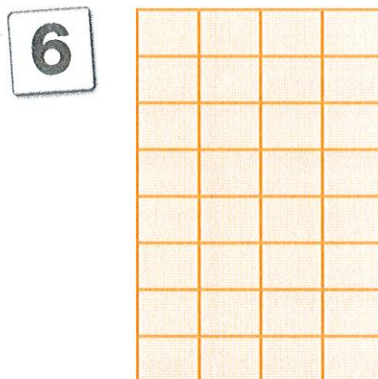
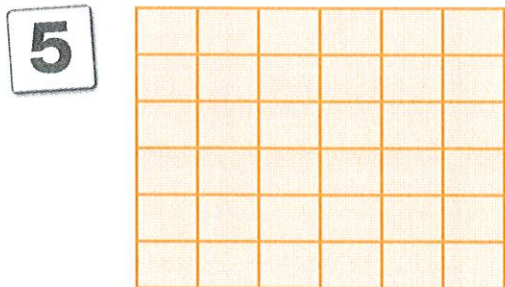
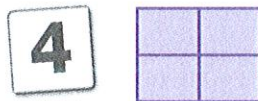
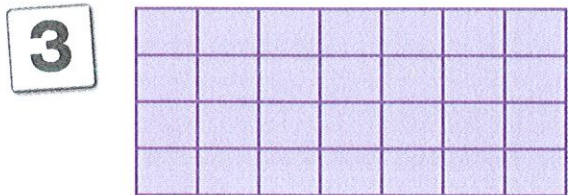
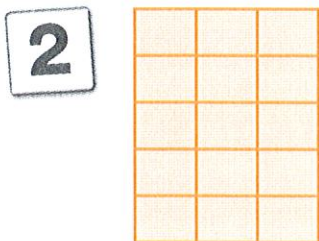
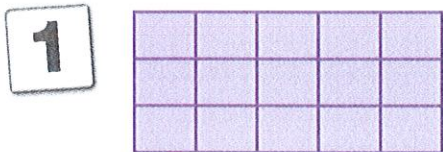
A	B	C	D	E	F
5 rows	5 columns	7 columns	6 rows	4 columns	3 columns
7 rows	8 columns	1 row	6 columns	2 rows	4 rows
G	H	I	J	K	L

**Objective:** Describe the rows and columns in a partitioned rectangle.



# Partition a Rectangle

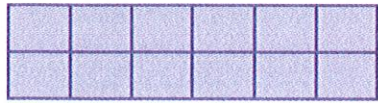
How many rows and columns?



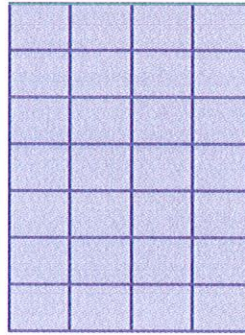
**Tip**

Count in an organized way.

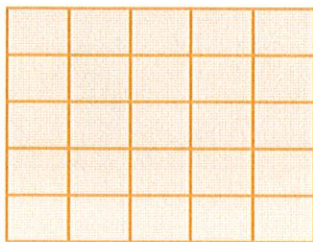
7



8



9



10



11



12



A	B	C	D	E	F
4 rows 7 columns	5 rows 5 columns	4 rows 3 columns	2 rows 6 columns	8 rows 4 columns	5 rows 3 columns
6 rows 5 columns	6 rows 6 columns	3 rows 5 columns	2 rows 2 columns	7 rows 4 columns	4 rows 4 columns
G	H	I	J	K	L

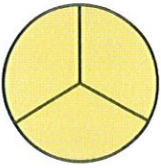
Objective: Describe the partitioning of a rectangle.



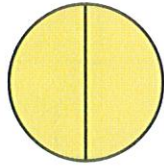
# Two or Three Equal Shares

Which shows three equal shares?

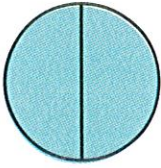
1



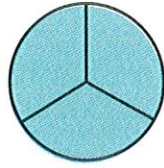
or



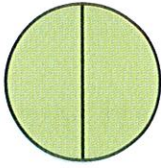
2



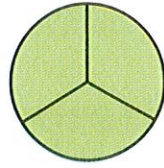
or



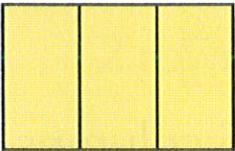
3



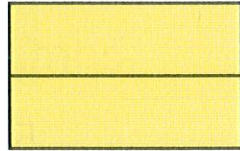
or



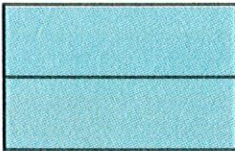
4



or



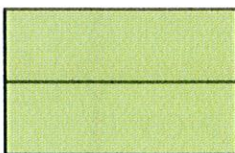
5



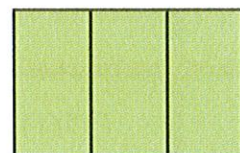
or



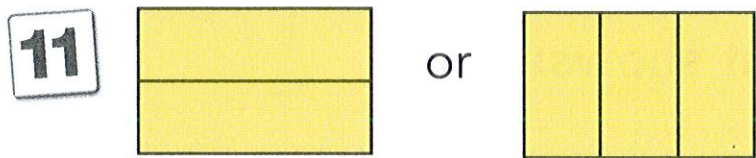
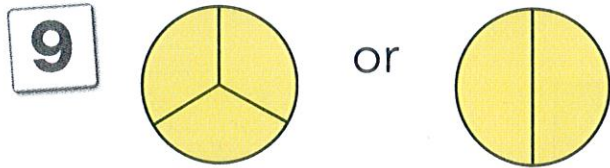
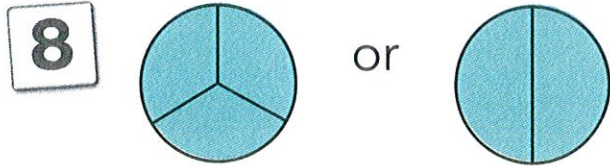
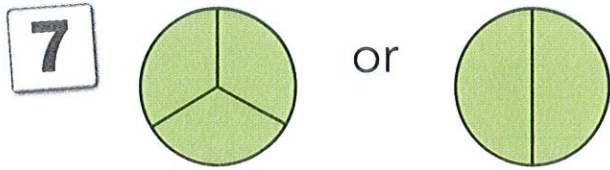
6

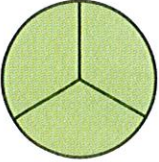
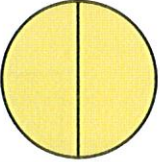

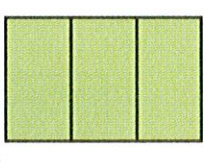

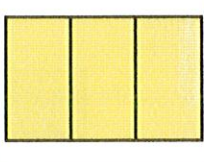
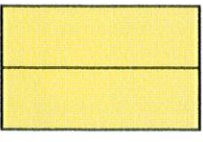
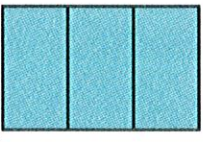
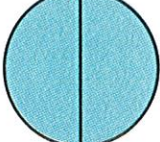
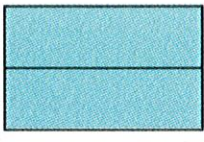
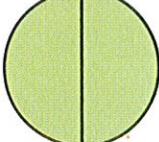
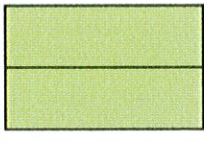


or

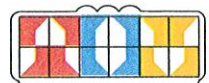


Which shows two equal shares?



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

Objective: Describe equal shares.



# More Pieces

How many equal parts?

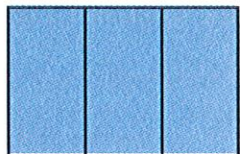


3 equal parts.

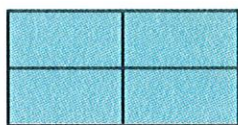
Example

How many equal parts?

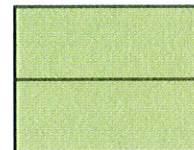
1



2



3



Choose the rectangle that shows:

4

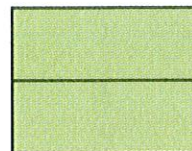
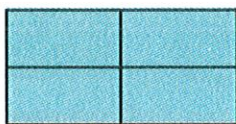
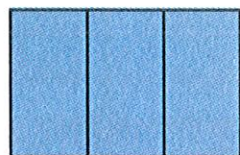
halves

5

thirds

6

fourths



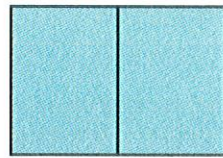
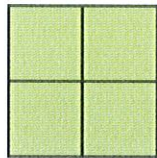
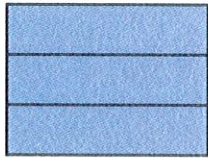


Choose the rectangle that shows:

**7** two halves

**8** four equal shares

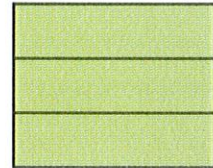
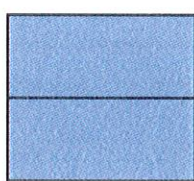
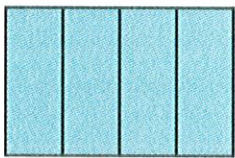
**9** three thirds



**10** thirds

**11** two equal shares

**12** four fourths



A

B

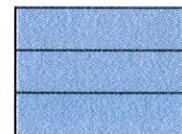
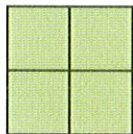
C

D

E

F

3



G

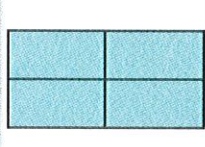
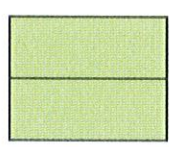
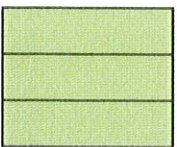
H

I

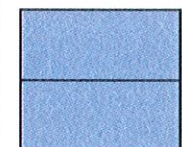
J

K

L



4



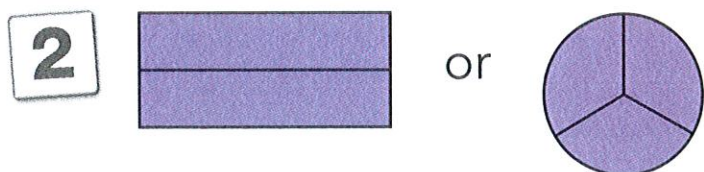
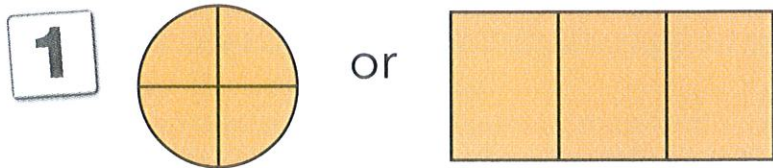
2

Objective: Describe equal shares of rectangles.

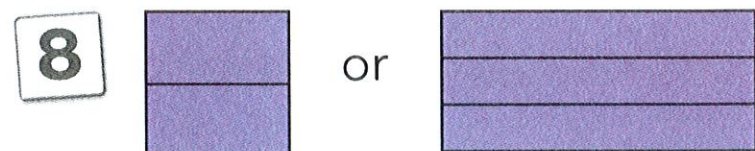
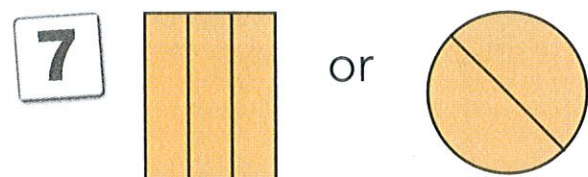


# Sharing

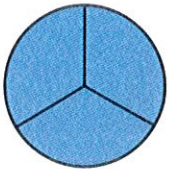
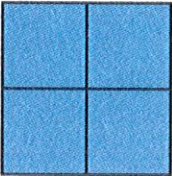
Which shows three equal shares?

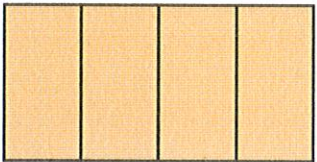
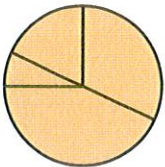


Which shows two equal shares?

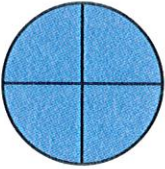
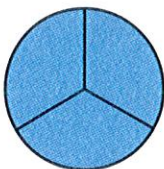


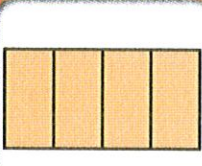
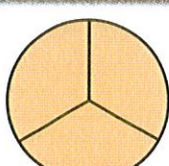
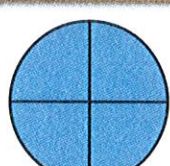
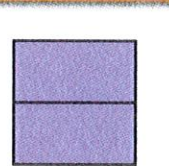
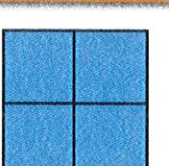
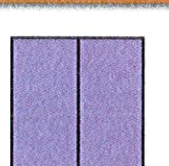
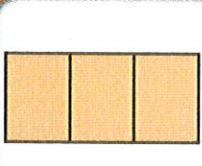
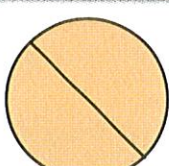
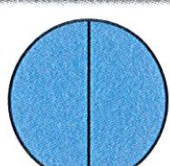
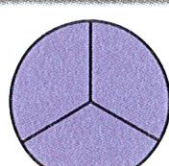
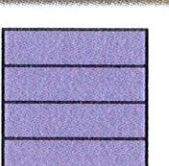
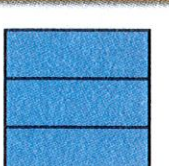
# Which shows four equal shares?

9  or 

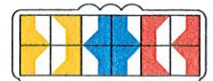
10  or 

11  or 

12  or 

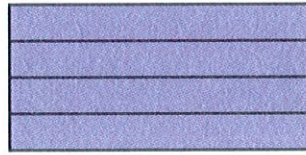
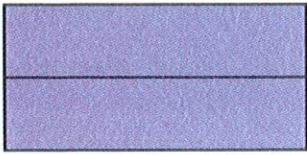
A	B	C	D	E	F
					
G	H	I	J	K	L
					

Objective: Count equal shares in partitioned circles and rectangles.



# Halves, Thirds, and Fourths

Choose the rectangle that shows:

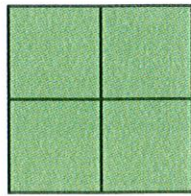
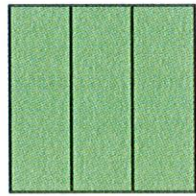
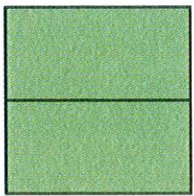


**1** thirds

**2** halves

**3** fourths

Choose the rectangle that shows:

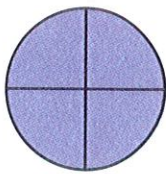
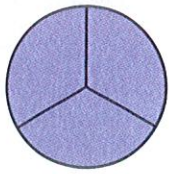
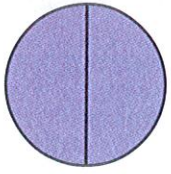


**4** fourths

**5** thirds

**6** halves

Choose the rectangle that shows:

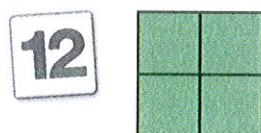
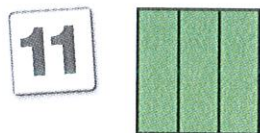
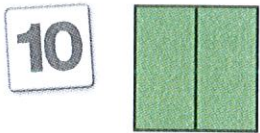
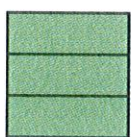
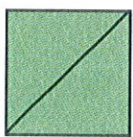
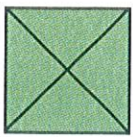


**7** thirds

**8** fourths

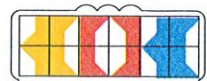
**9** halves

Match the number of equal shares.

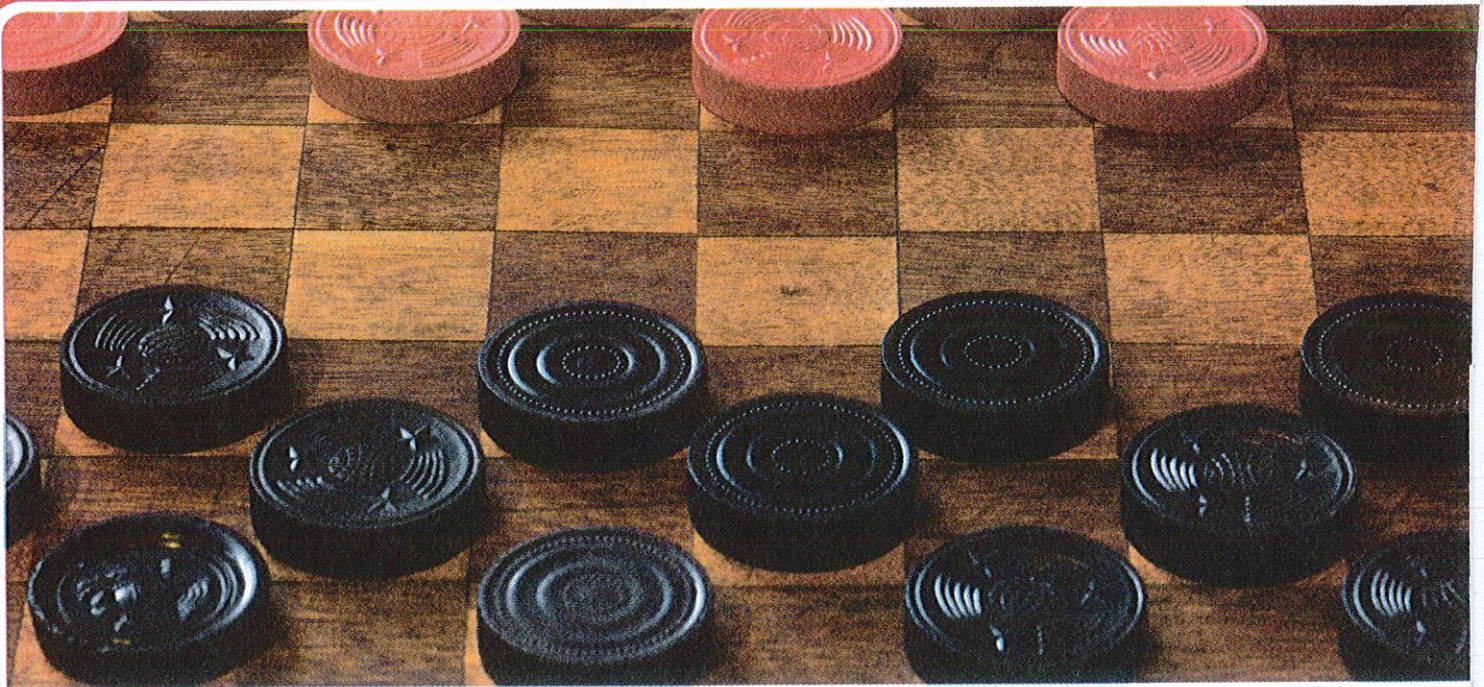


<b>A</b> 	<b>B</b> 	<b>C</b> 	<b>D</b> 	<b>E</b> 	<b>F</b> 
<b>G</b> 	<b>H</b> 	<b>I</b> 	<b>J</b> 	<b>K</b> 	<b>L</b> 

Objective: Describe equal shares.



# Your Move

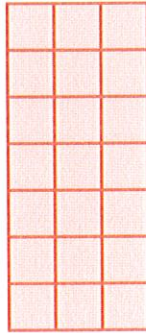


Count the squares.

1



2



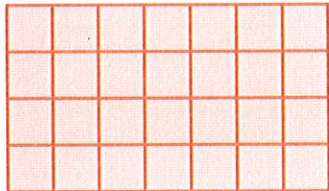
3



4

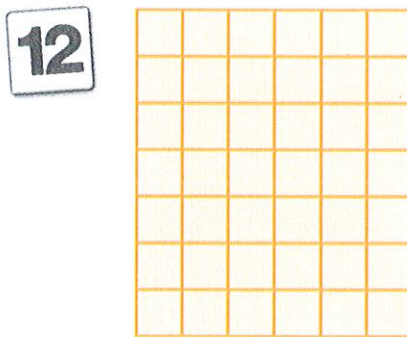
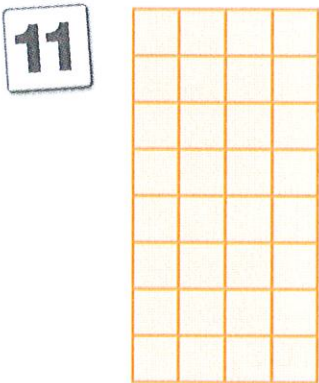
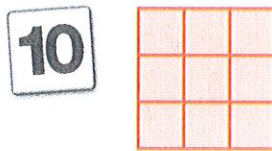
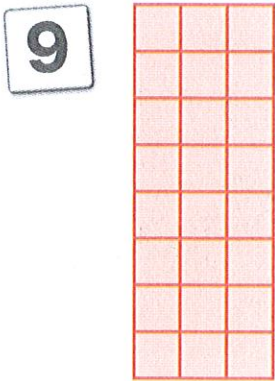
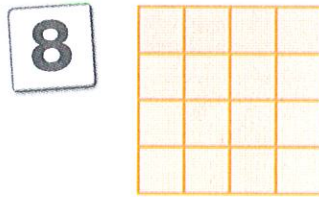


5



6





A	B	C	D	E	F
24	6	21	12	18	10
28	32	16	42	14	9
G	H	I	J	K	L

**Objective:** Count to find the number of squares in a partitioned rectangle.



# Using a Picture

How many equal shares of pizza?

1



The pizza is cut into thirds.

2



The pizza is cut in half.

3



The pizza is cut into fifths.

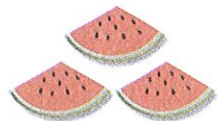
4



The pizza is cut into fourths.

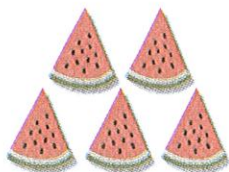
How many equal shares of watermelon?

5



The watermelon is cut into thirds.

6



The watermelon is cut into sixths.

7



The watermelon is cut in half.

8



The watermelon is cut into fourths.



## How many equal shares of apple?

9



The apple is cut into fourths.

10



The apple is cut into fifths.

11



The apple is cut in half.

12



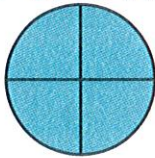
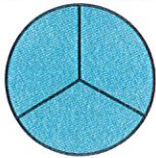
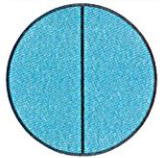
The apple is cut into thirds.

A	B	C	D	E	F
4 shares of pizza	3 shares of pizza	3 shares of watermelon	2 shares of apple	5 shares of watermelon	2 shares of pizza
2 shares of watermelon	5 shares of apple	4 shares of apple	5 shares of pizza	3 shares of apple	4 shares of watermelon
G	H	I	J	K	L



# Share and Share Alike

Choose the circle that shows:

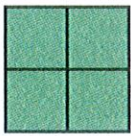
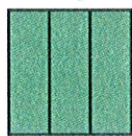
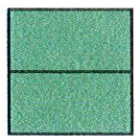


**1** thirds

**2** halves

**3** fourths

Choose the square that shows:

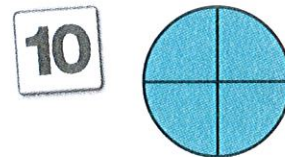
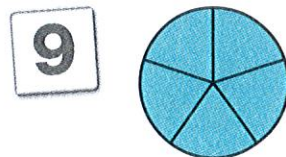
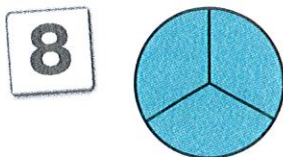
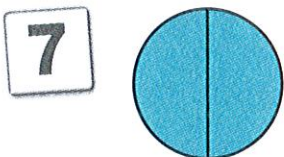


**4** fourths

**5** thirds

**6** halves

Describe the whole.



**11** Do thirds have three equal shares?  
Yes or No?

**12** Do equal shares have to be the same shape?  
Yes or No?

A	B	C	D	E	F
			No		five fifths
two halves	four fourths	three thirds			Yes
G	H	I	J	K	L

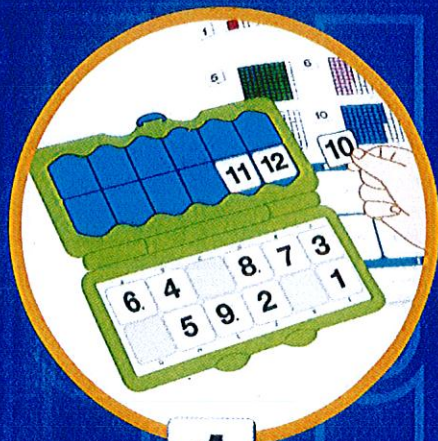
Objective: Find equal shares of different shapes.



# Four simple steps to success with VersaTiles®.

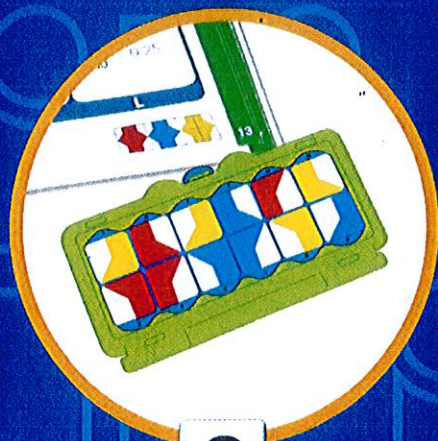
Grade

2



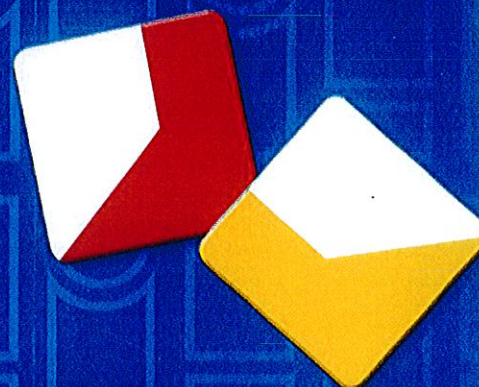
1

Answer questions



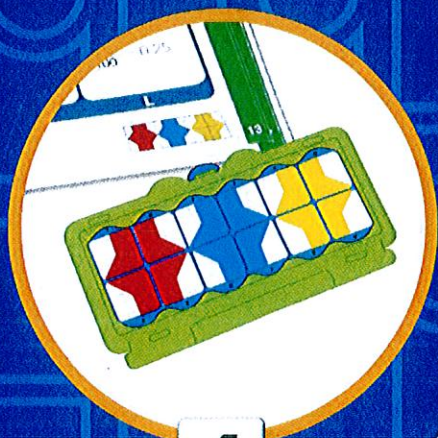
2

Flip and check



3

Open and self-correct



4

Match



## Did you know...

- There are over 2,300 different answer patterns.
- You can write your own VersaTiles activities.
- You can practice at home.

**ETA**  
**hand2**  
**mind**

800.445.5985

[hand2mind.com](http://hand2mind.com)

Connect with us.    

84661  
ISBN: 978-1-63406-029-5



9 781634 060295

