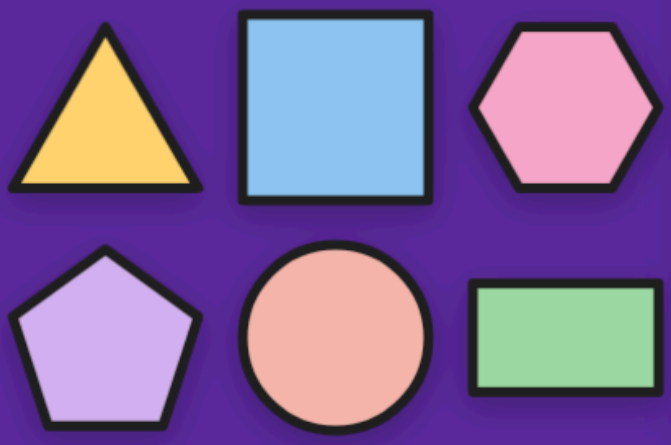
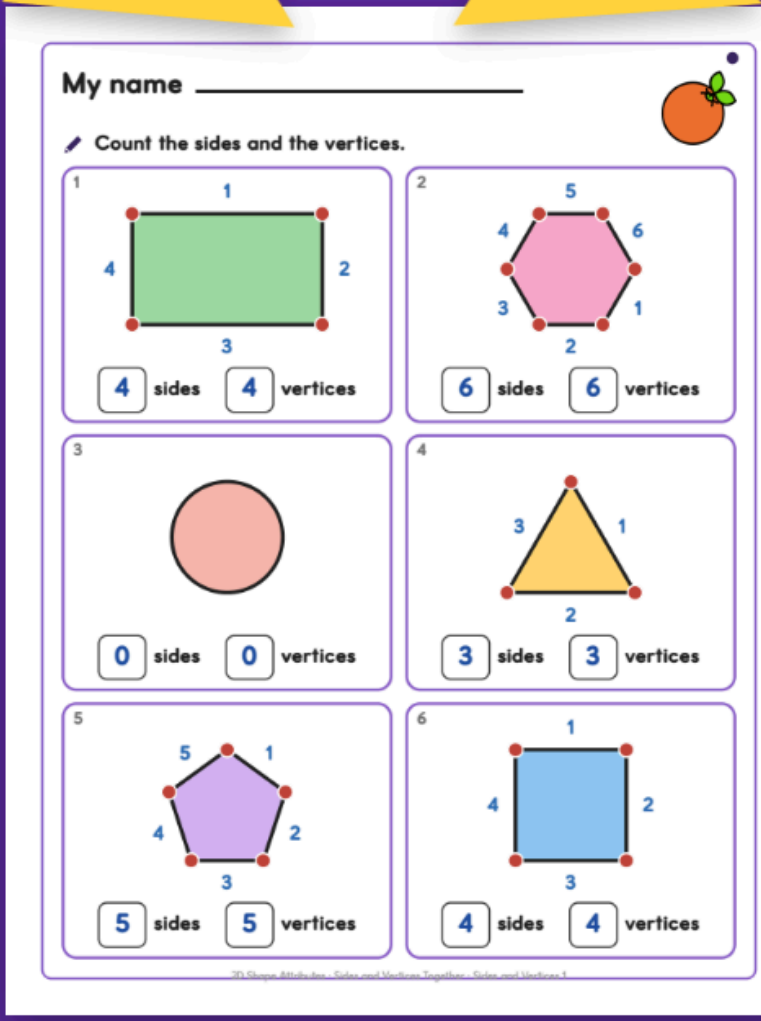
2D SHAPE ATTRIBUTES

Sides and Vertices, Grades K-2

NO PREP

32 PAGES





Bright Path Sped

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PREVIEW

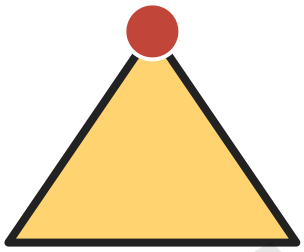
My name _____



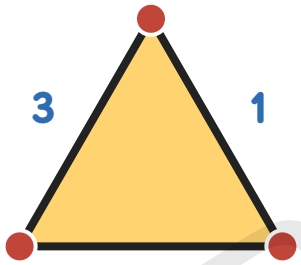
Look at the sides and the vertices.

2D Shape Attributes

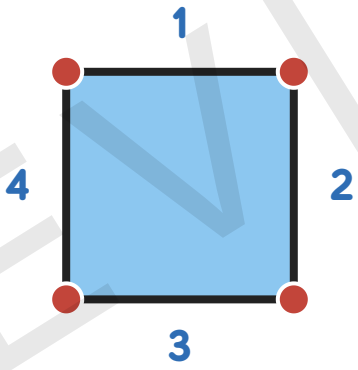
A side
is a straight line.



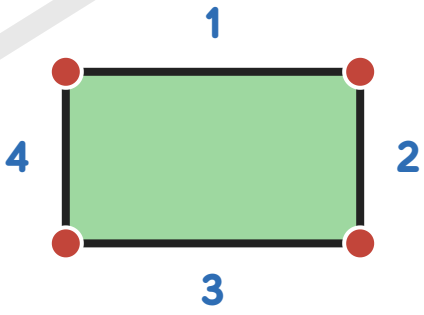
A vertex
is a corner. Two or more are vertices.



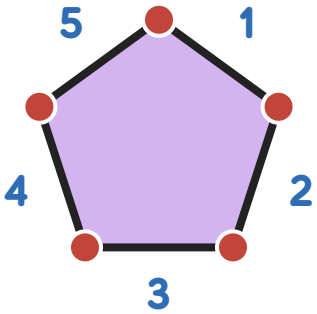
triangle
3 sides, 3 vertices



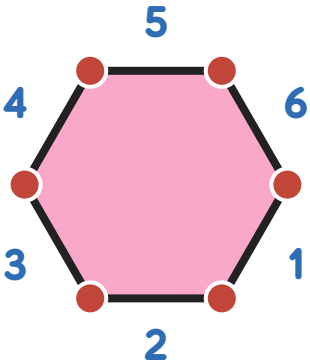
square
4 sides, 4 vertices



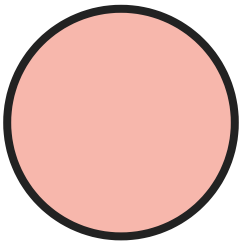
rectangle
4 sides, 4 vertices



pentagon
5 sides, 5 vertices



hexagon
6 sides, 6 vertices



circle
0 sides, 0 vertices

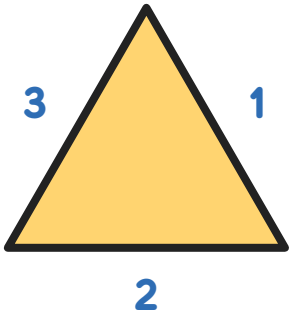
PREVIEW

My name _____



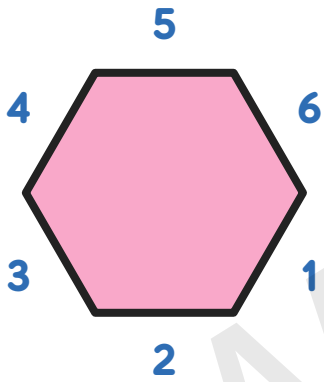
Count the sides. Write how many.

1



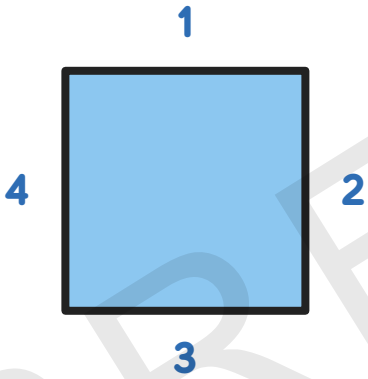
It has ☐ sides.

2



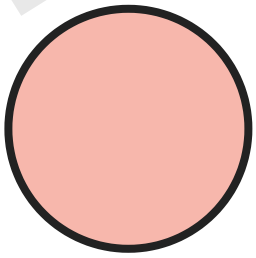
It has ☐ sides.

3



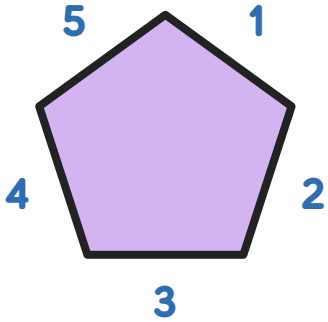
It has ☐ sides.

4



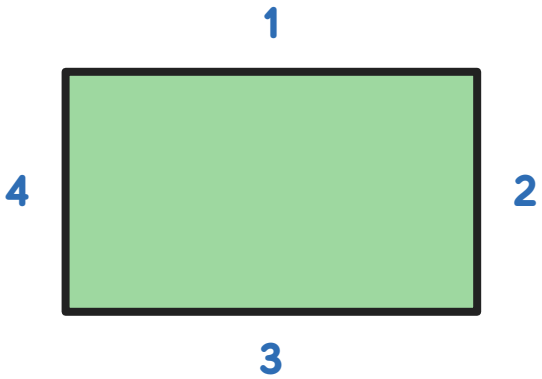
It has ☐ sides.

5



It has ☐ sides.

6



It has ☐ sides.

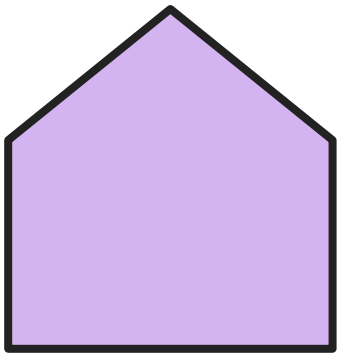
PREVIEW

My name _____



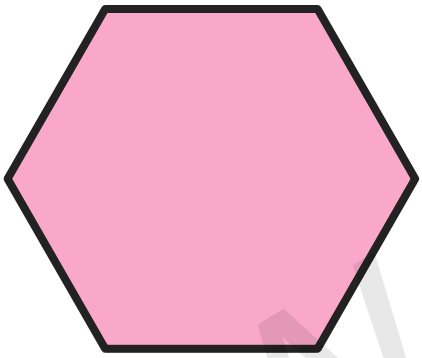
Count the sides. Write how many.

1



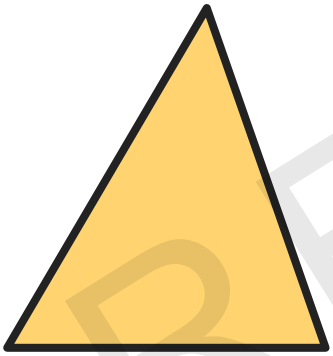
It has ☐ sides.

2



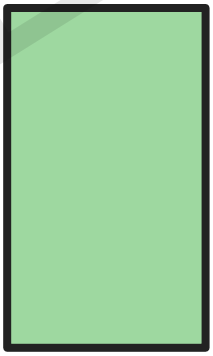
It has ☐ sides.

3



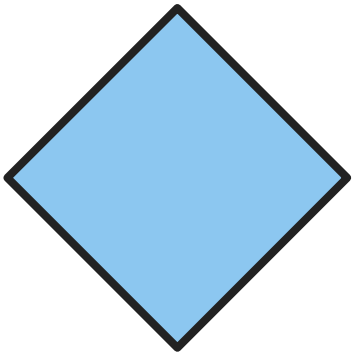
It has ☐ sides.

4



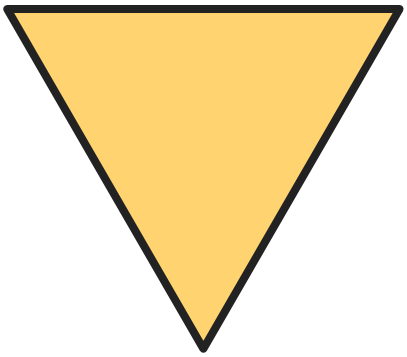
It has ☐ sides.

5



It has ☐ sides.

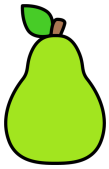
6



It has ☐ sides.

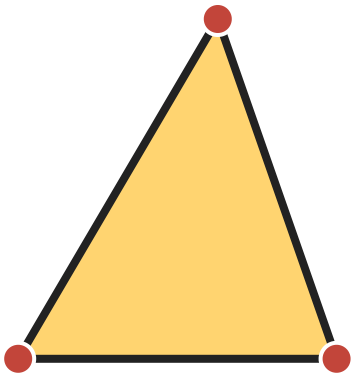
PREVIEW

My name _____



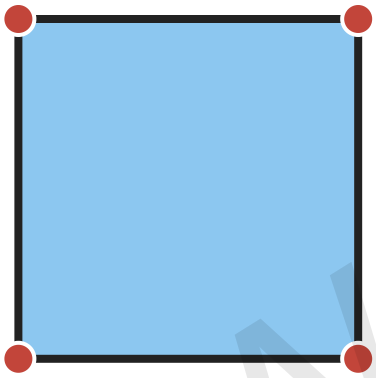
Count the vertices. Write how many.

1



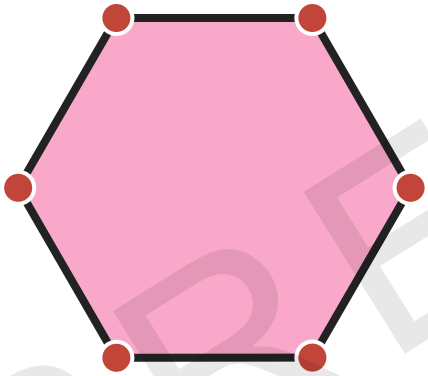
It has ☐ vertices.

2



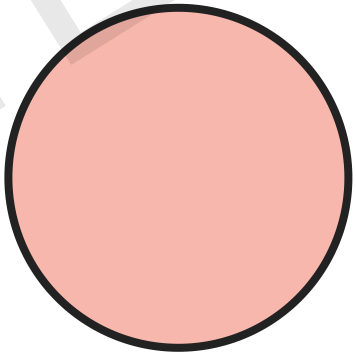
It has ☐ vertices.

3



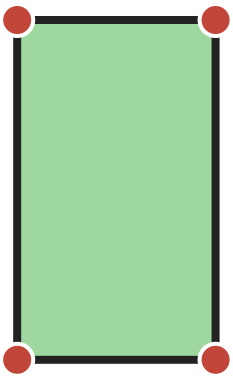
It has ☐ vertices.

4



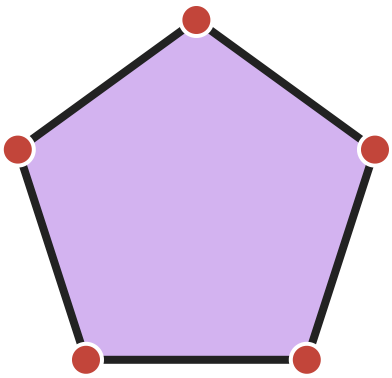
It has ☐ vertices.

5



It has ☐ vertices.

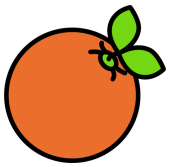
6



It has ☐ vertices.

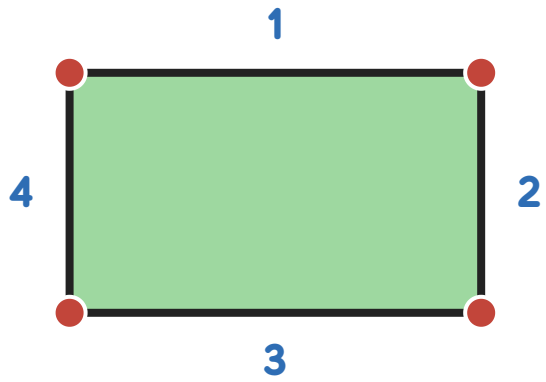
PREVIEW

My name _____



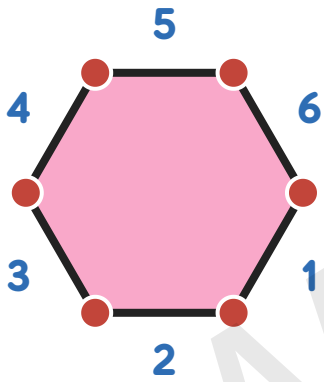
Count the sides and the vertices.

1



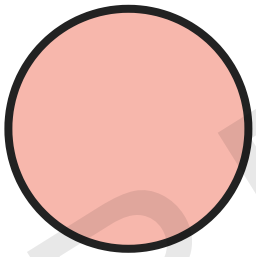
☐ sides ☐ vertices

2



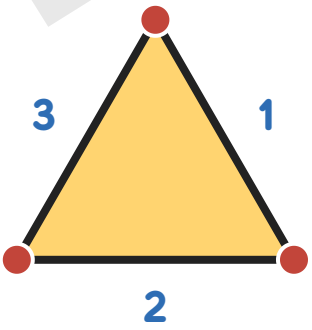
☐ sides ☐ vertices

3



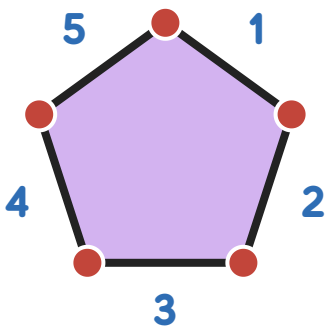
☐ sides ☐ vertices

4



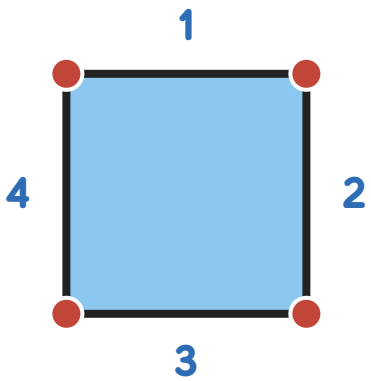
☐ sides ☐ vertices

5



☐ sides ☐ vertices

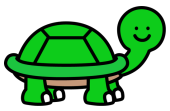
6



☐ sides ☐ vertices

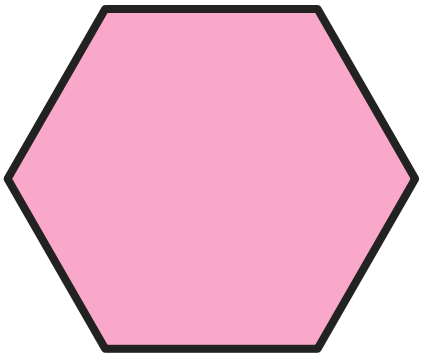
PREVIEW

My name _____



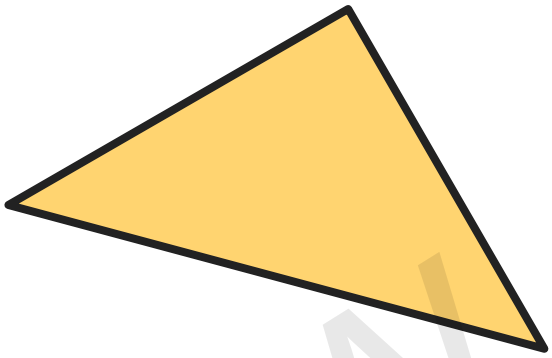
Count the sides and the vertices.

1



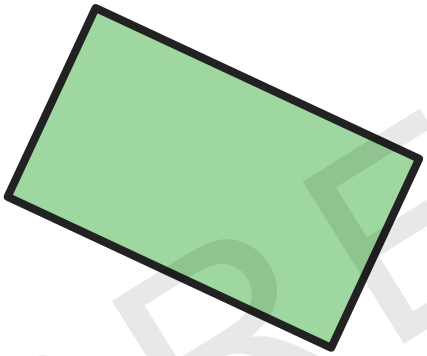
☐ sides ☐ vertices

2



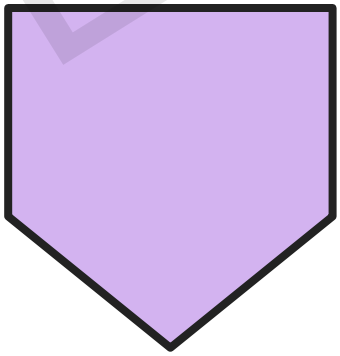
☐ sides ☐ vertices

3



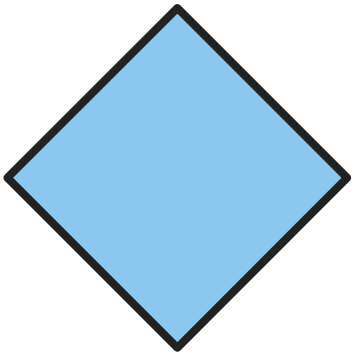
☐ sides ☐ vertices

4



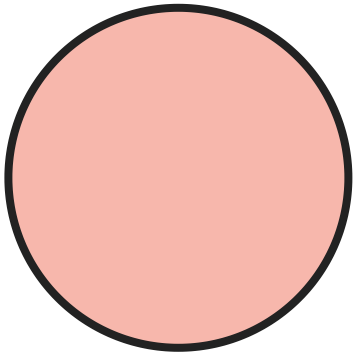
☐ sides ☐ vertices

5



☐ sides ☐ vertices

6



☐ sides ☐ vertices

PREVIEW

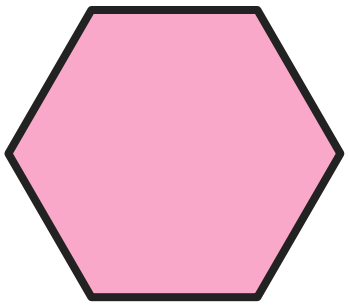
My name _____



Look at the shape. Write its name.

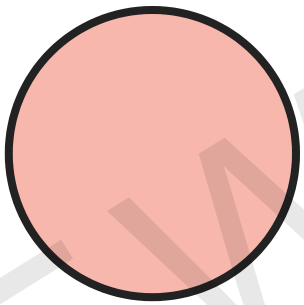
circle triangle square rectangle pentagon hexagon

1



It is a _____

2



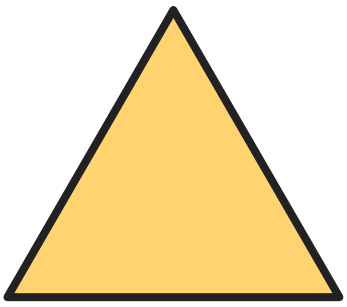
It is a _____

3



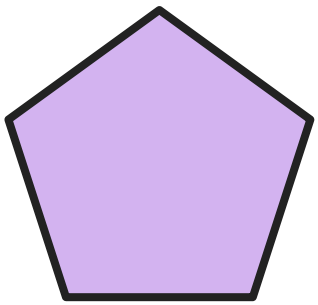
It is a _____

4



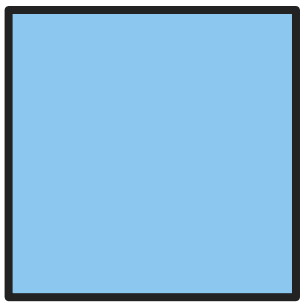
It is a _____

5



It is a _____

6



It is a _____

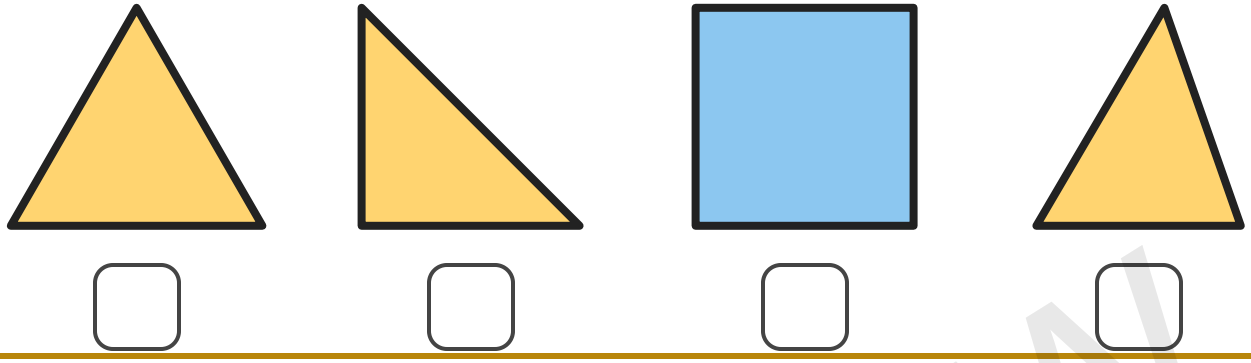
PREVIEW

My name _____

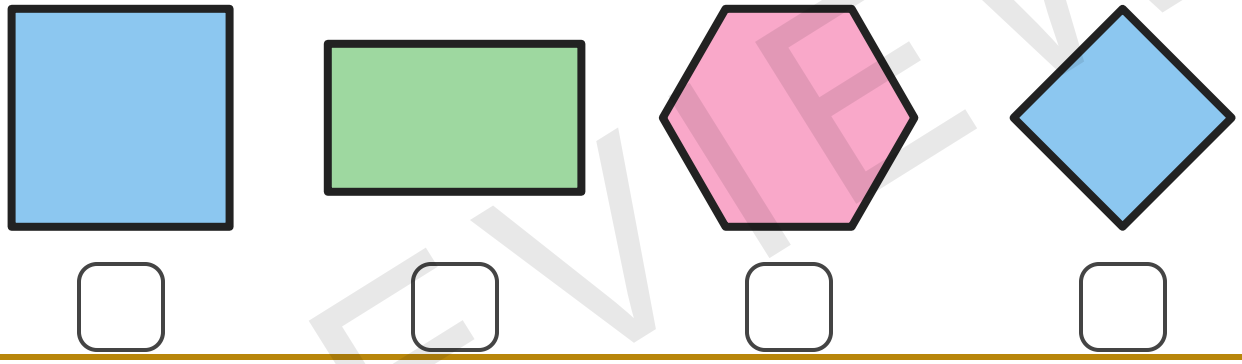


X the shape with a different number of sides.

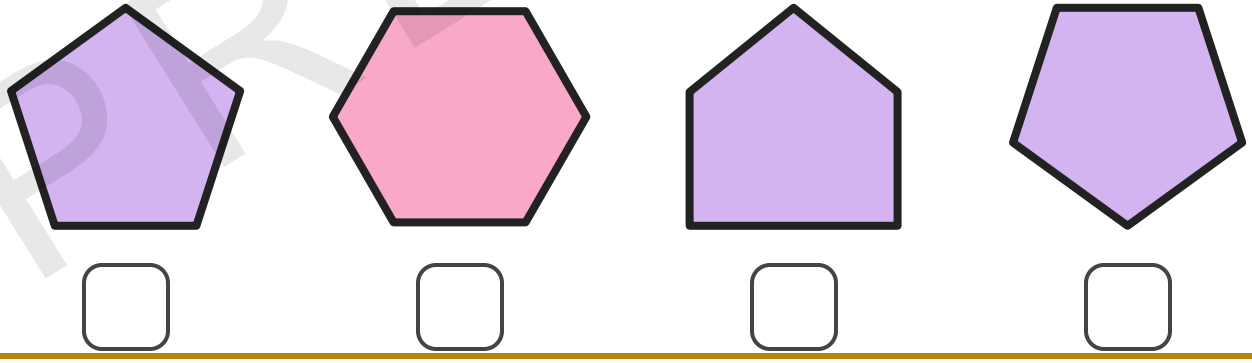
1



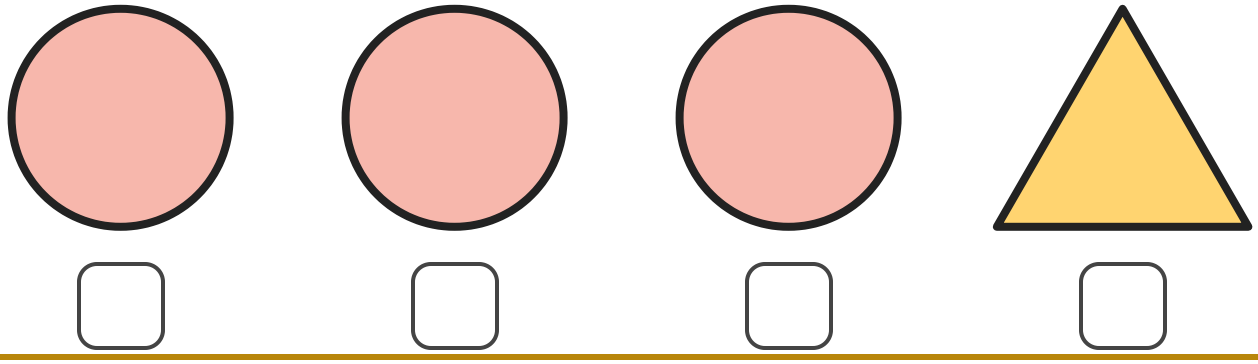
2



3

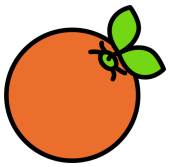


4

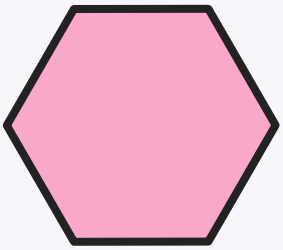


PREVIEW

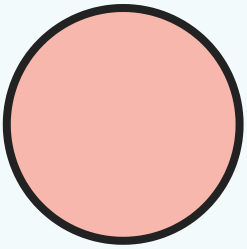
My name _____



Cut. Glue the number of sides.



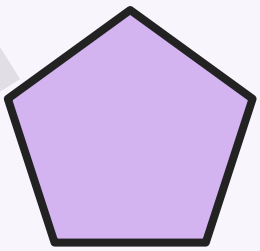
sides



sides



sides

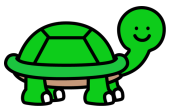


sides

8	3	5	0	6

PREVIEW

My name _____



Cut. Glue the shape that fits the clue.

3 sides.
3 vertices.

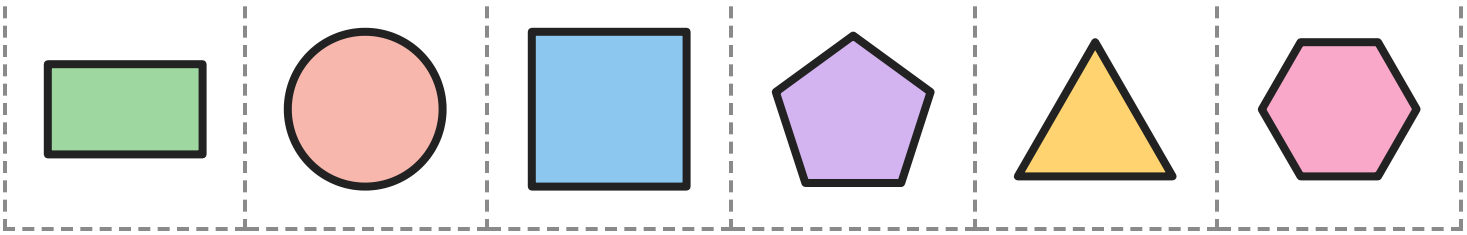
4 sides.
All the same.

4 sides.
2 long, 2 short.

5 sides.
5 vertices.

6 sides.
6 vertices.

No sides.
No vertices.



PREVIEW

My name _____



Draw a shape. Write its name. Count it.

1

Draw it.

It is a _____

☐ sides ☐ vertices

2

Draw it.

It is a _____

☐ sides ☐ vertices

3

Draw it.

It is a _____

☐ sides ☐ vertices

4

Draw it.

It is a _____

☐ sides ☐ vertices

PREVIEW

Answer Key 1

Each number is the position on its page, left to right and top to bottom. The shapes are numbered on the page.

Page 5 · Count the Sides 1 (sides)

1) 3 2) 6 3) 4 4) 0 5) 5 6) 4

Page 6 · Count the Sides 2 (sides)

1) 4 2) 5 3) 3 4) 0 5) 6 6) 4

Page 7 · Count the Sides 3 (sides)

1) 5 2) 6 3) 3 4) 4 5) 4 6) 3

Page 8 · Count the Vertices 1 (vertices)

1) 6 2) 3 3) 0 4) 4 5) 4 6) 5

Page 9 · Count the Vertices 2 (vertices)

1) 3 2) 4 3) 6 4) 0 5) 4 6) 5

Page 10 · Count the Vertices 3 (vertices)

1) 5 2) 6 3) 3 4) 4 5) 4 6) 3

Page 11 · Sides and Vertices 1 (sides and vertices)

1) 4 and 4 2) 6 and 6 3) 0 and 0 4) 3 and 3
5) 5 and 5 6) 4 and 4

Page 12 · Sides and Vertices 2 (sides and vertices)

1) 5 and 5 2) 4 and 4 3) 3 and 3 4) 6 and 6
5) 0 and 0 6) 4 and 4

Page 13 · Sides and Vertices 3 (sides and vertices)

1) 6 and 6 2) 3 and 3 3) 4 and 4 4) 5 and 5
5) 4 and 4 6) 0 and 0

Page 14 · Trace and Count (sides)

1) 4 2) 3 3) 6 4) 4 5) 5 6) 0

Page 15 · Write the Name

1) hexagon, 2) circle, 3) rectangle, 4) triangle, 5) pentagon, 6) square

Page 16 · Find the Name

1) rectangle, 2) pentagon, 3) square, 4) hexagon, 5) triangle, 6) circle

Sides and vertices go together

Every polygon on these pages has as many vertices as it has sides, so a student who counts one can check against the other. A circle has neither: the curve has no straight sides and no corners.

If a count is off

Look for a skipped or doubled side, or a vertex counted twice at a turn. Count again together and touch each side or dot once. On the numbered pages, the last number said is the answer.

Trace and count

Page 14 is a dotted outline: the student traces it with a crayon, then counts the sides. Sides here are the straight lines between the purple dots.

PREVIEW

Tracker

For each page, write the date and how many were right. A blank row means not done yet, never wrong.

Student _____ Teacher _____ School year _____

Page	Skill	Date	Right	Out of	Notes
5	Count the Sides 1			6	
6	Count the Sides 2			6	
7	Count the Sides 3			6	
8	Count the Vertices 1			6	
9	Count the Vertices 2			6	
10	Count the Vertices 3			6	
11	Sides and Vertices 1			12	
12	Sides and Vertices 2			12	
13	Sides and Vertices 3			12	
14	Trace and Count			6	
15	Write the Name			6	
16	Find the Name			6	
17	Which Is Different?			4	
18	Cut and Glue: Sort by Sides			6	
19	Cut and Glue: Sort by Vertices			6	
20	Cut and Glue: How Many Sides?			4	
21	Cut and Glue: How Many Vertices?			4	
22	Cut and Glue: Match the Clue			6	
23	Draw a Shape			6	
24	Draw, Name, Count			4	
25	Find Shapes in the Room			5	

PREVIEW

Shapes at Home

Send this page home with a child, or hand it to a family at a conference. Change the places to look to match your week.

Student _____ Week of _____

How to help at home, in three steps

- Look around for something flat with straight edges or a round edge: a window, a cracker, a sign, a plate, a book.
- Say its shape and run a finger along each side. Count the sides out loud, and point to each corner.
- Find something with more sides and something with fewer. Stop while it is still fun.

Shapes we found

1. **I found a** _____ **It is a** _____ **It has** ☐ **sides.**
2. **I found a** _____ **It is a** _____ **It has** ☐ **sides.**
3. **I found a** _____ **It is a** _____ **It has** ☐ **sides.**
4. **I found a** _____ **It is a** _____ **It has** ☐ **sides.**

Try saying

- "Let's touch each side. How many?"
- "Where are the corners? Those are vertices."
- "Which shape has more sides, the window or the plate?"

Note from the teacher

Note from home

PREVIEW