

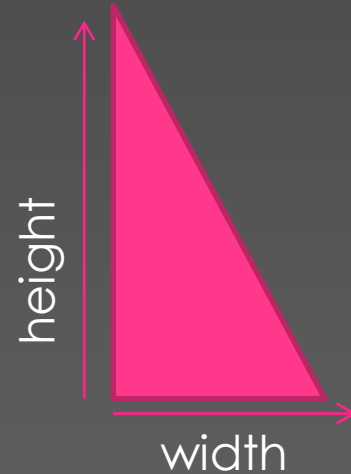
# 2D Shapes

What is a 2D shape?

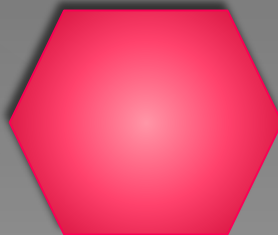
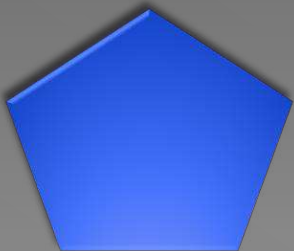
# How do you know it is a 2D Shape?



- It has only 2 dimensions height and width.

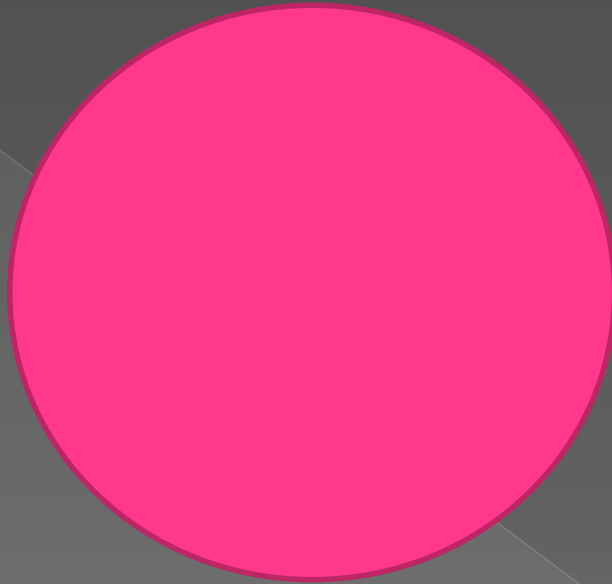


- You can draw it easily on a piece of paper.



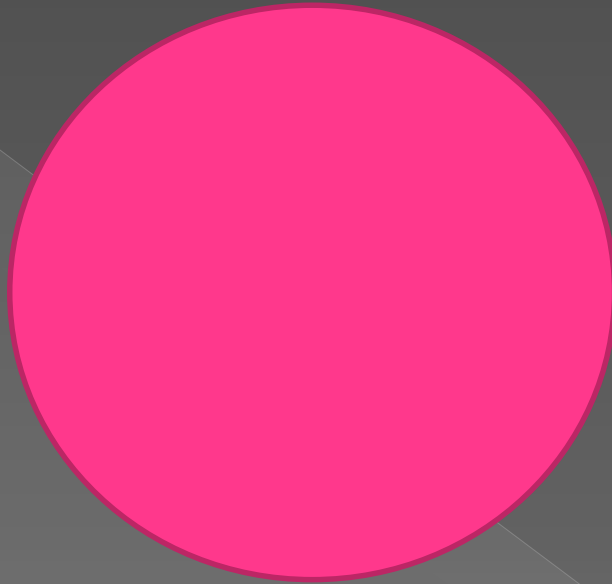
2D means a shape is  
'2 dimensional'

# What shape is this?



- How many angles and sides does this shape have?

# A circle



- It has only 1 curved side.
- It has no angles.

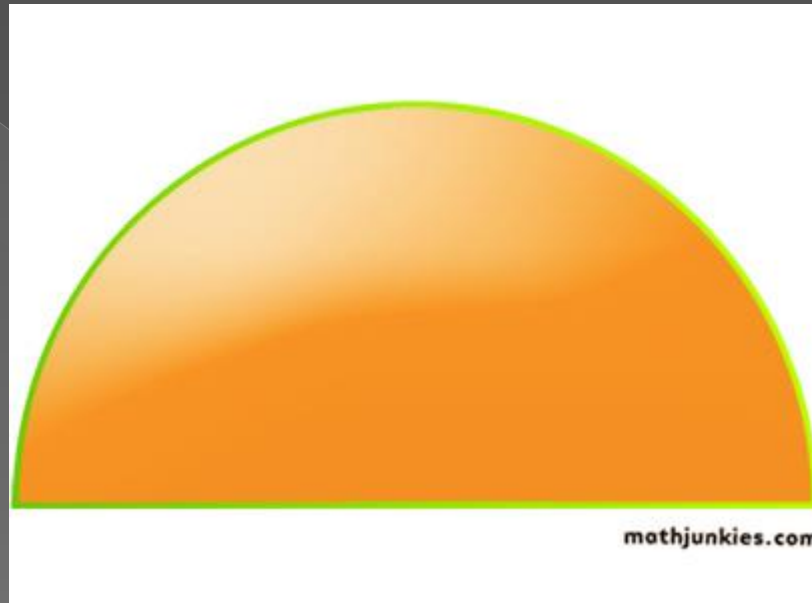
What is a  
polygon?

# Polygon

- A polygon is a flat shape with 3 or more straight sides.

Can you think of any polygon shape names ?

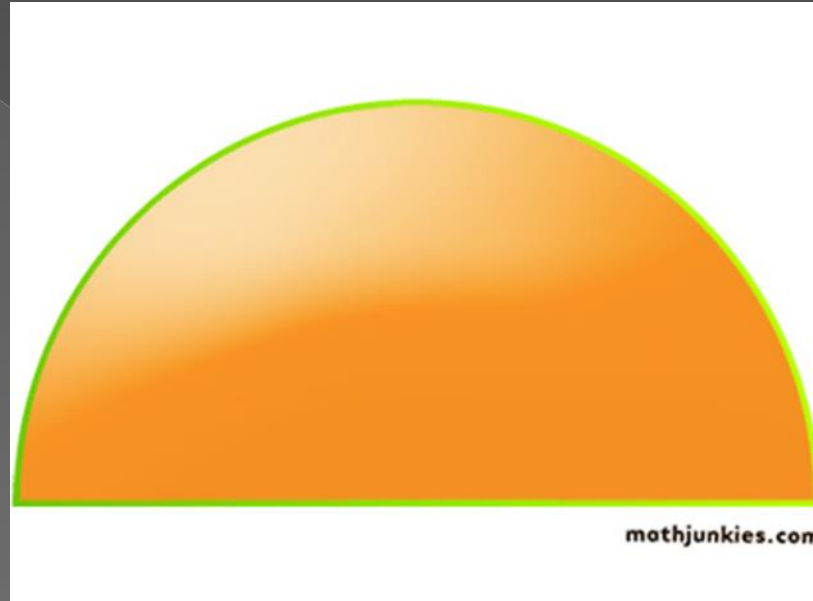
# What shape is this?



- How many corners and sides does this shape have?



# A Semi - circle



- It has only 1 curved side and 1 straight side.
- It has 2 corners.
- A semi-circle is half of a circle.

There are lots of circular  
2D shapes  
in our everyday life

- Look around your home...can you spot any circular shapes?

# Everyday life circular shapes

● A clock face

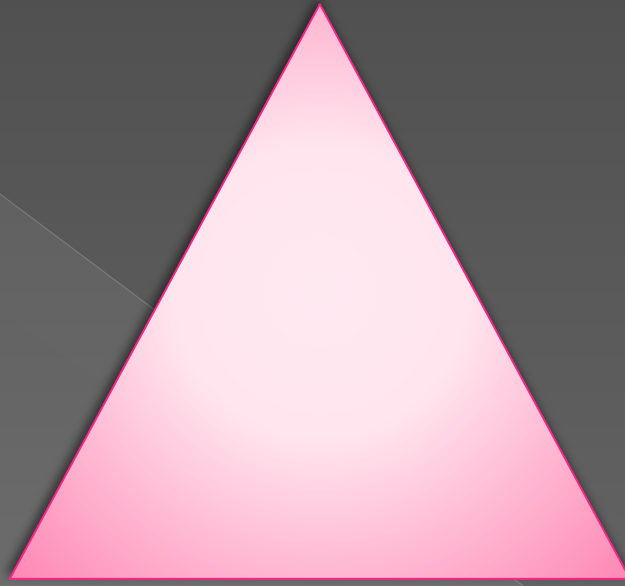


● A cd.

● The lollipop persons sign

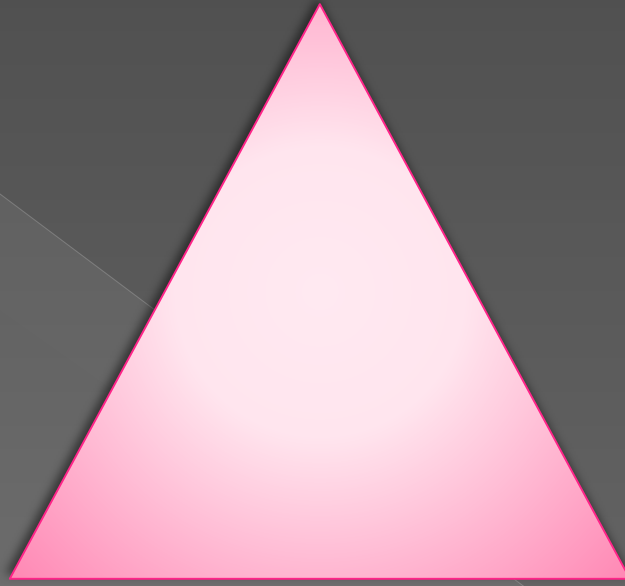


# What shape is this?



- How many angles and sides does this shape have?

# A triangle



- ◉ 3 straight sides.
- ◉ 3 angles.

# Everyday life triangular shapes

- A road works sign



# What shape is this?



- How many angles and sides does this shape have?

# A Square



- ◉ 4 straight sides, all of equal length.
- ◉ 4 angles.

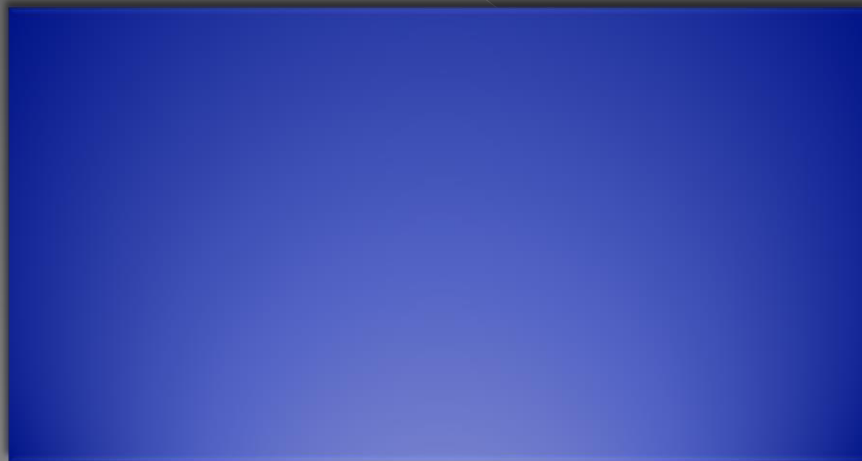


# What shape is this?



- How many angles and sides does this have?

● Is it a square?



# A rectangle or oblong



- ◉ 4 straight sides.
- ◉ 2 sides are longer, have a look.
- ◉ 4 angles.

# Everyday life rectangular shapes

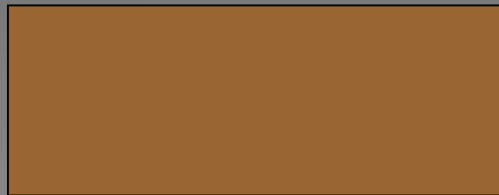
- ◉ The interactive white board.



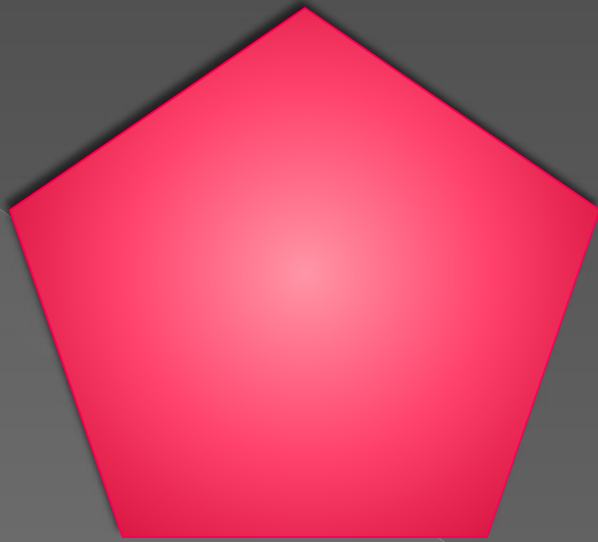
- ◉ Your work book.



- ◉ Shape of the top of your desk

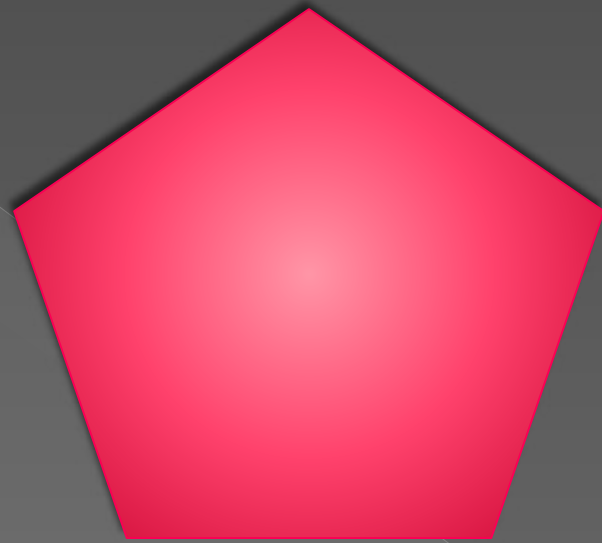


# What shape is this?



- How many angles and sides does this have?

# A Pentagon



- ◉ 5 angles
- ◉ 5 flat sides.

# Everyday life pentagonal shapes

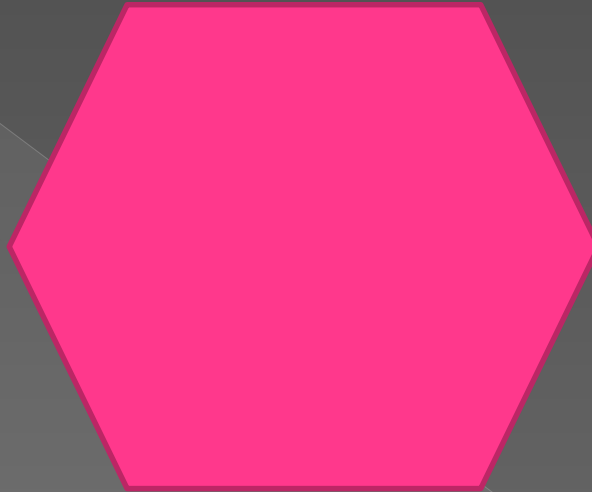
- A football is made up lots of pentagons.



- The Pentagon in America is a pentagon.



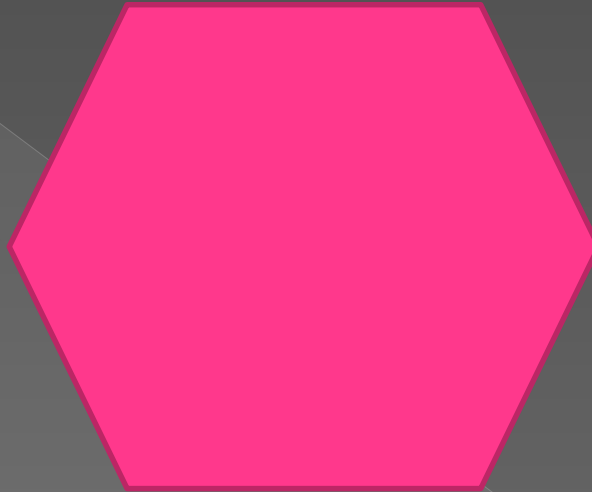
# What shape is this?



- How many angles and sides this shape have?



# It is a Hexagon



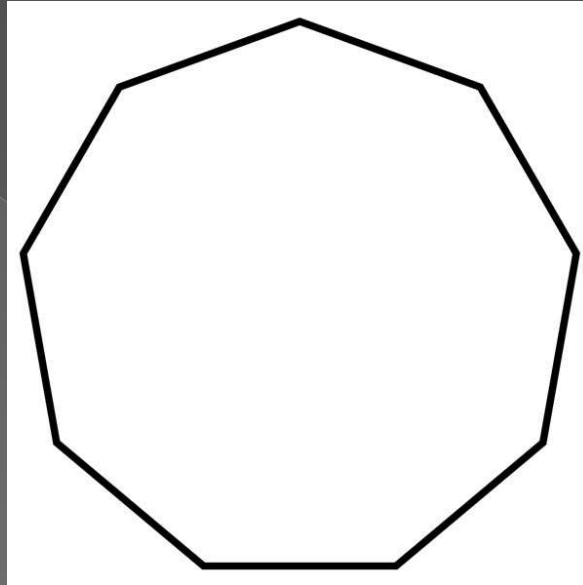
- ◉ 6 straight sides.
- ◉ 6 corners.

# Everyday life hexagonal shapes

- Bee hive cells are hexagonal.

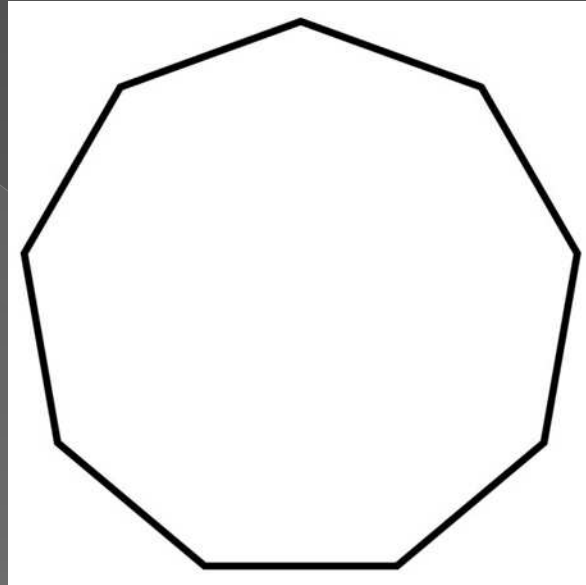


# What shape is this?



- How many angles and sides does this shape have?

# It is a Heptagon



- ◉ 7 sides.
- ◉ 7 corners.

# Everyday life heptagonal shapes



50p and 20p coins we use today are curved heptagonal shapes.

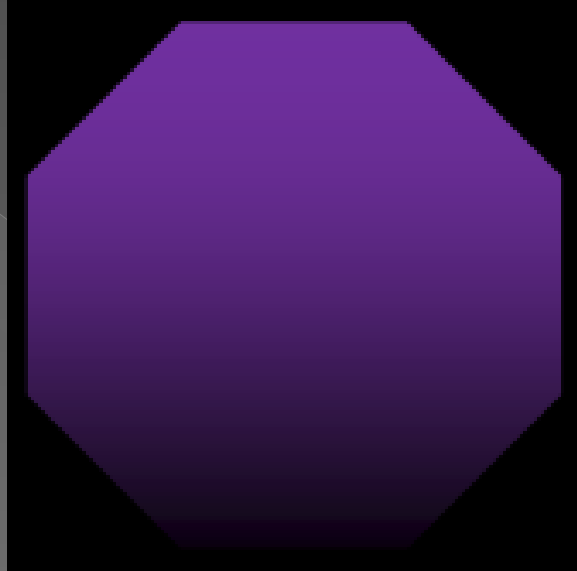


# What shape is this?



- How many angles and sides does this shape have?

# It is a Octagon



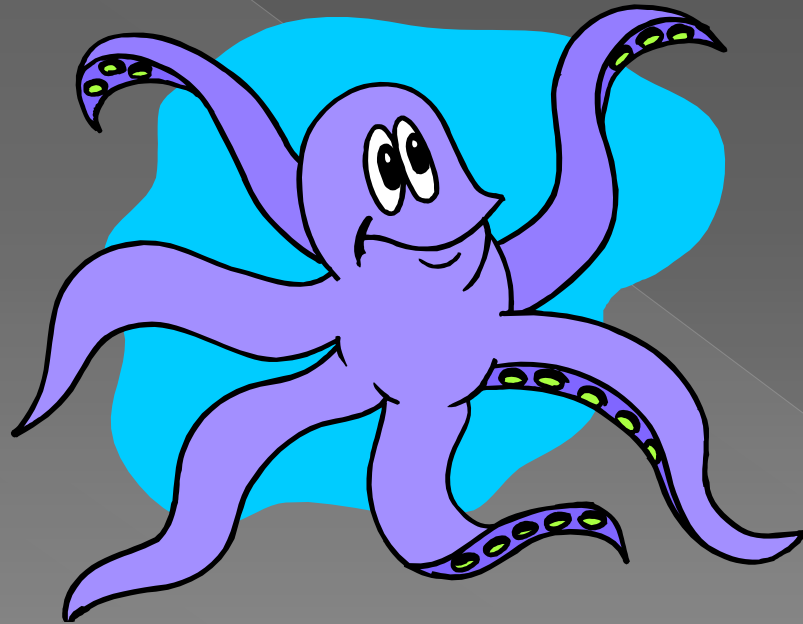
- ◉ 8 sides.
- ◉ 8 corners.

Can you think of any  
words that start with  
'Oct.....'  
that will help remind  
you that an octagon has  
8 sides?



# Octopus

An Octopus has '8' legs.

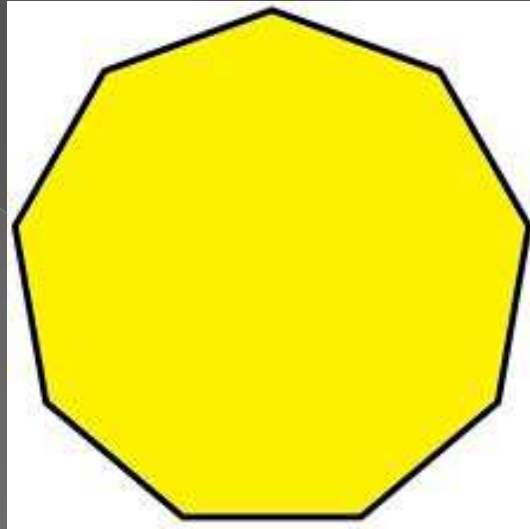


# Everyday life octagonal shapes

The 'STOP' road sign has 8 sides  
and is an octagonal shape.

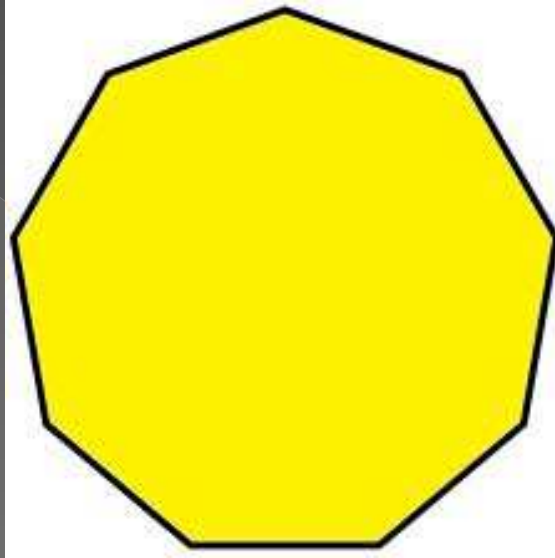


# What shape is this?



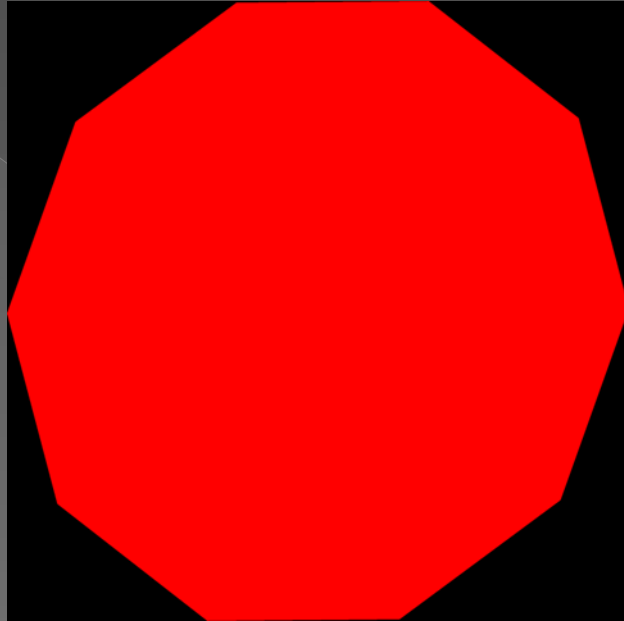
- How many angles and sides does this shape have?

# It is a Nonagon



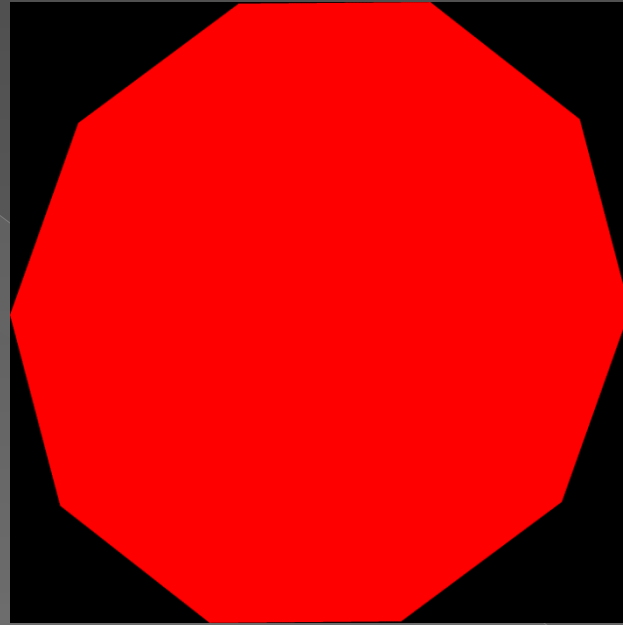
- 9 sides.
- 9 corners.

What shape is this?



- How many angles and sides does this shape have?

# It is a Decagon



- ◉ 10 sides.
- ◉ 10 corners.

What is a  
Quadrilateral  
shape?

A quadrilateral  
shape  
has 4 sides.



Examples of some  
quadrilateral  
shapes.



# Quadrilateral shapes



# Summary of shapes

Circle	1 side
Semi-circle	2 sides - 1 flat side and 1 curved side
Triangle	3 straight sides
Square	4 equal sides and 4 angles
Rectangle	4 sides two longer and 2 angles
Pentagon	5 sides
Hexagon	6 sides
Heptagon	7 sides
Octagon	8 sides
Nonagon	9 sides
Decagon	10 side