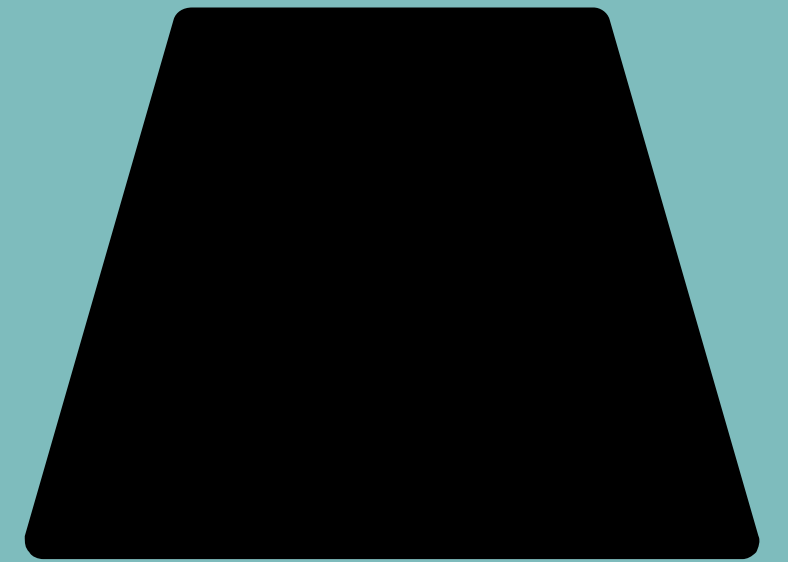
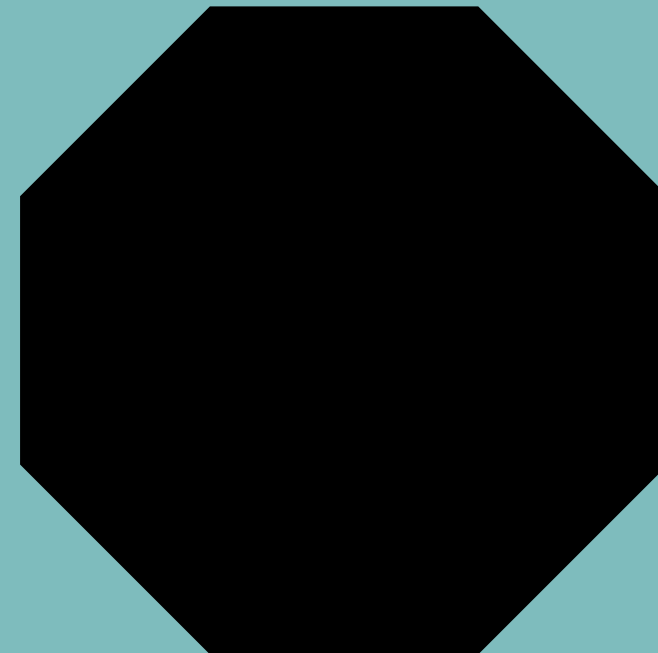
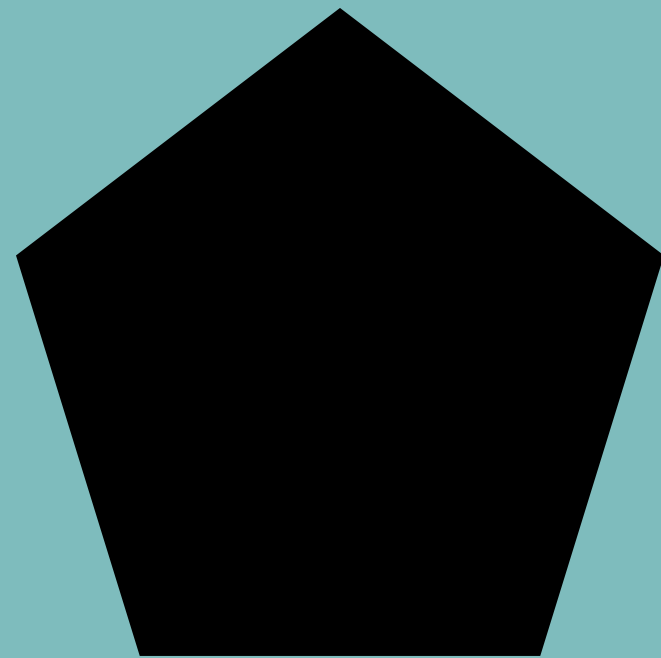
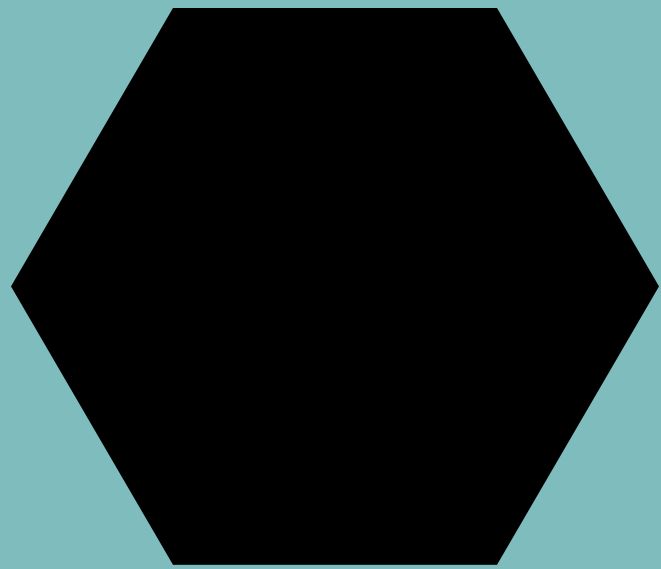
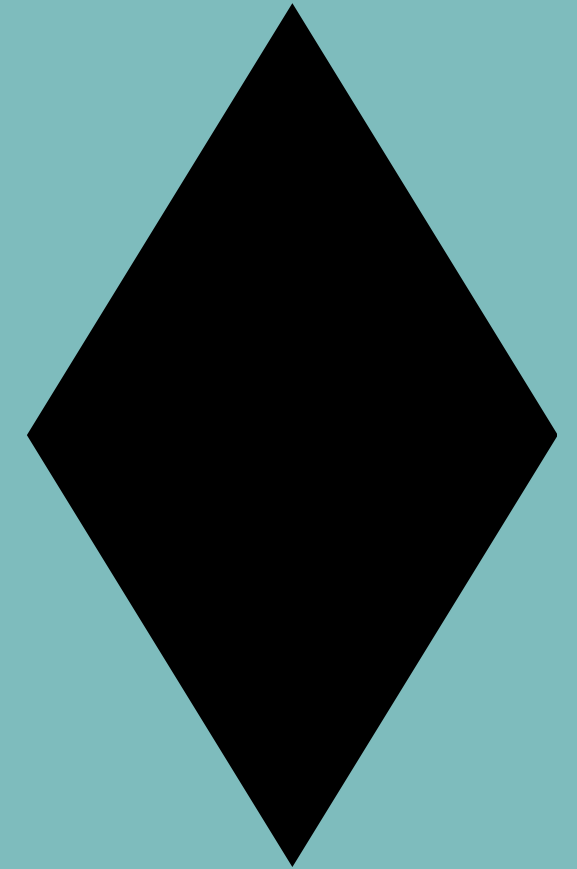
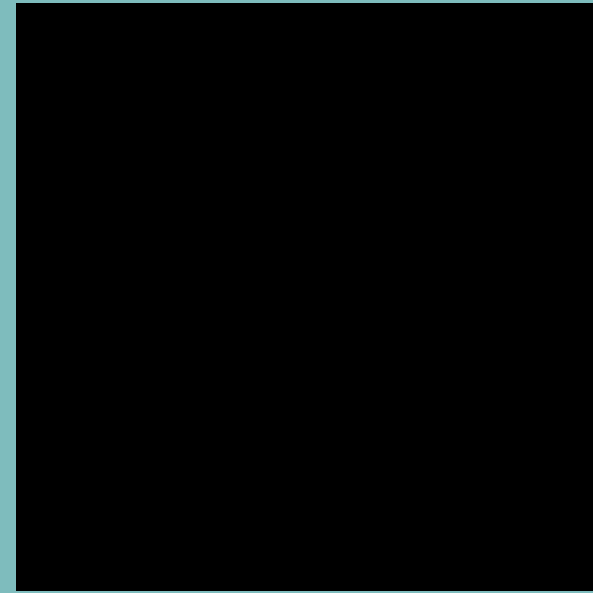
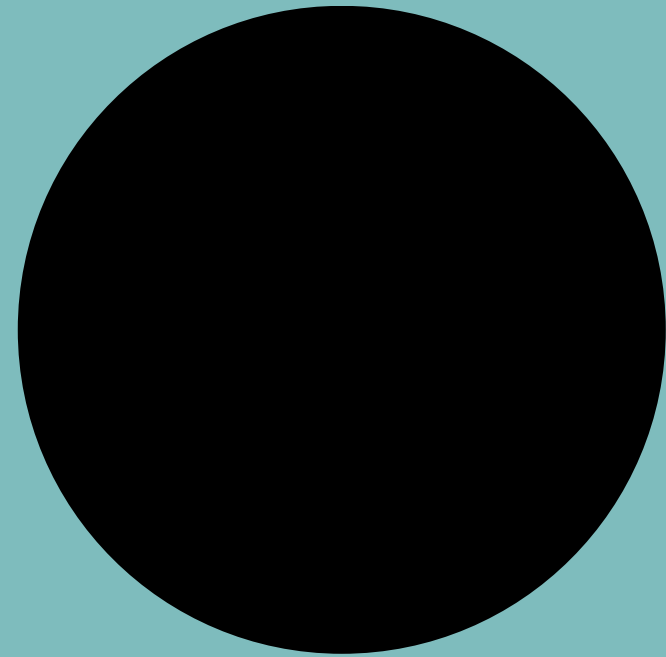
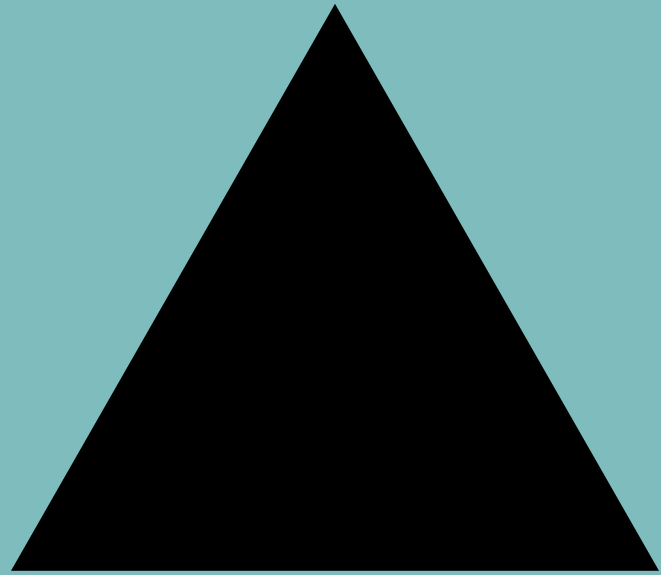


Quadrilaterals

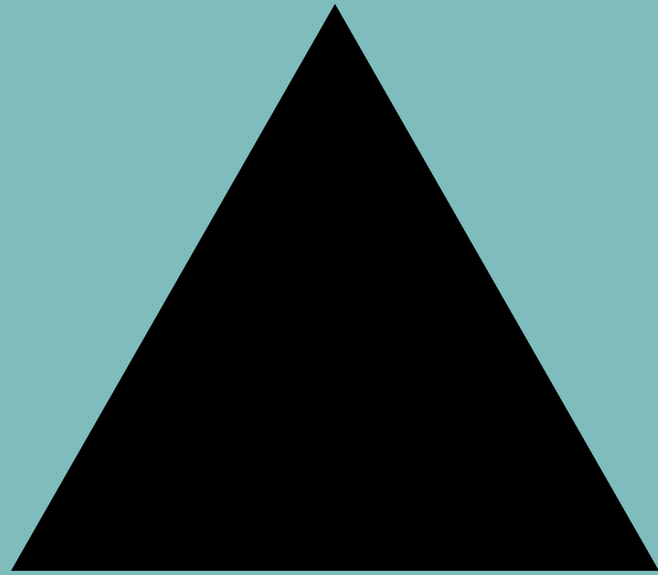
and Perimeter

SS5.6, SS5.1

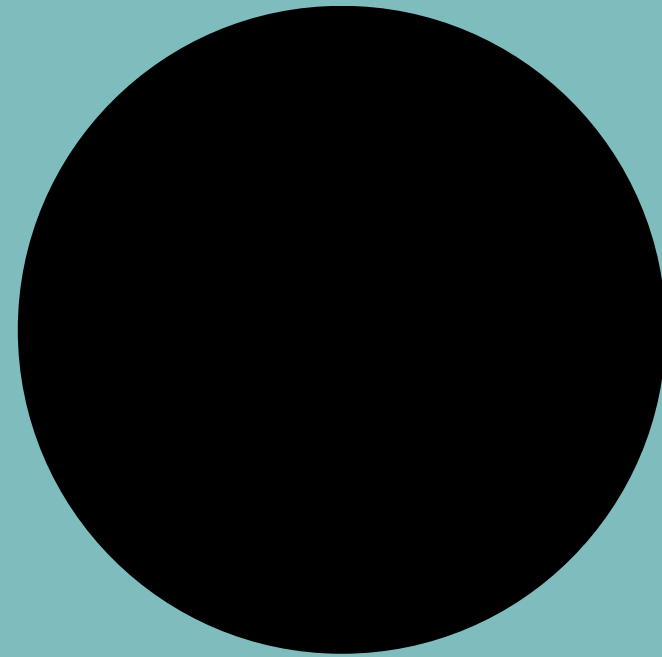
Can you identify some of these 2D shapes?



Can you identify some of these 2D shapes?



Triangle



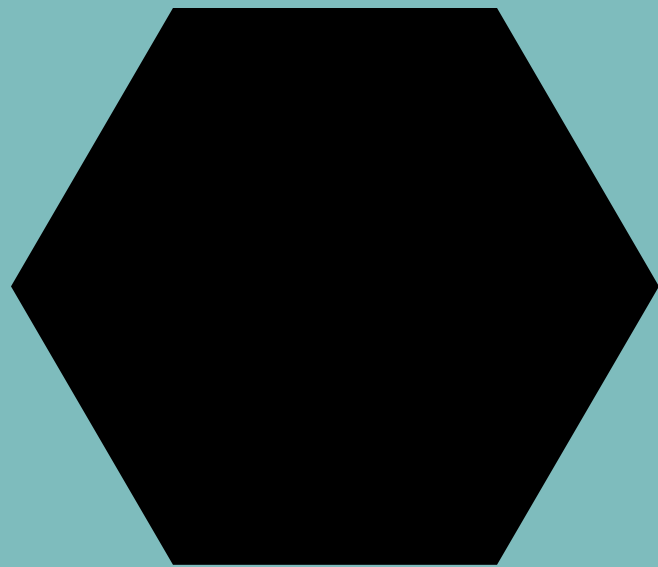
Circle



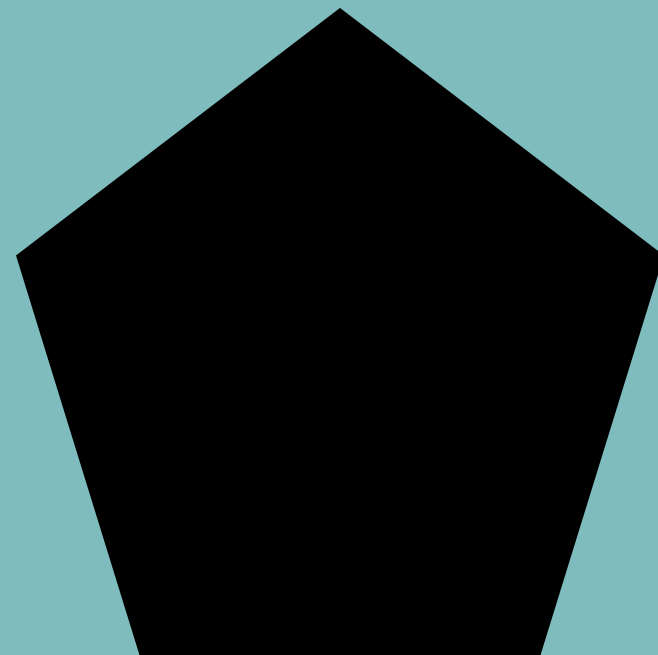
Square



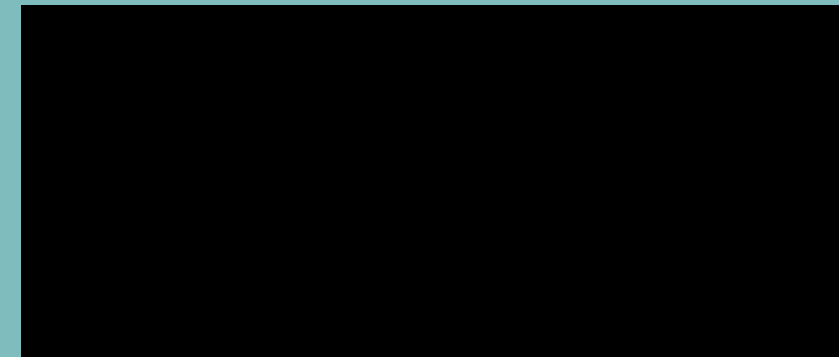
Rhombus



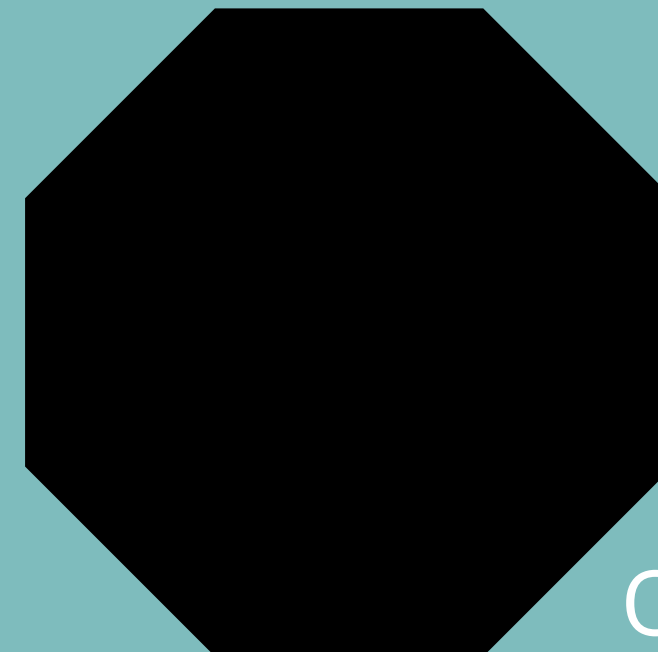
Hexagon



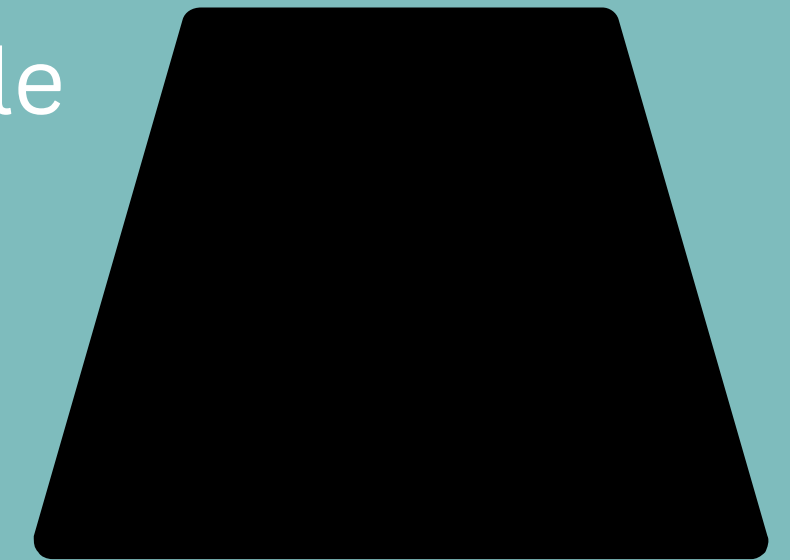
Pentagon



Rectangle

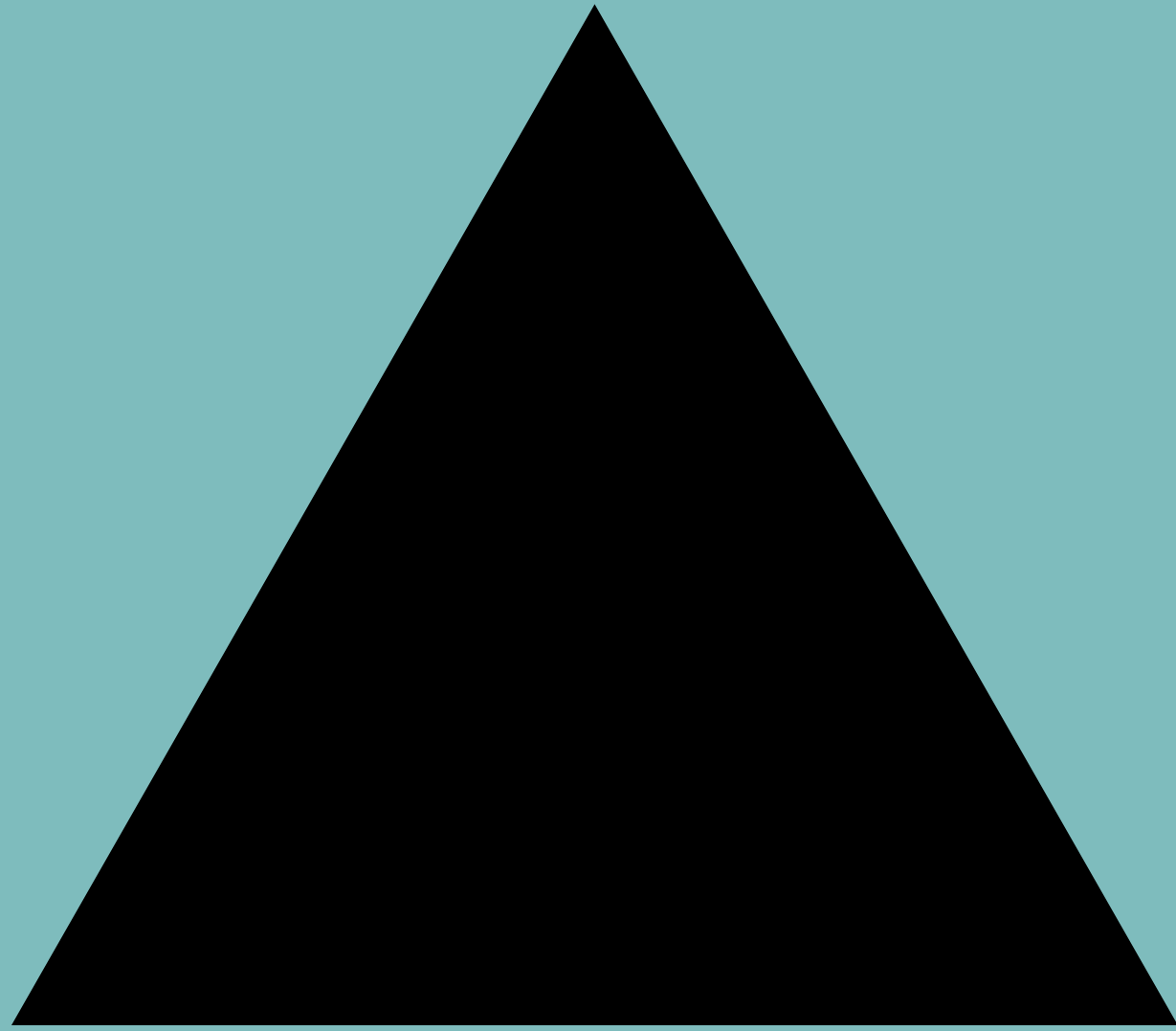


Octagon

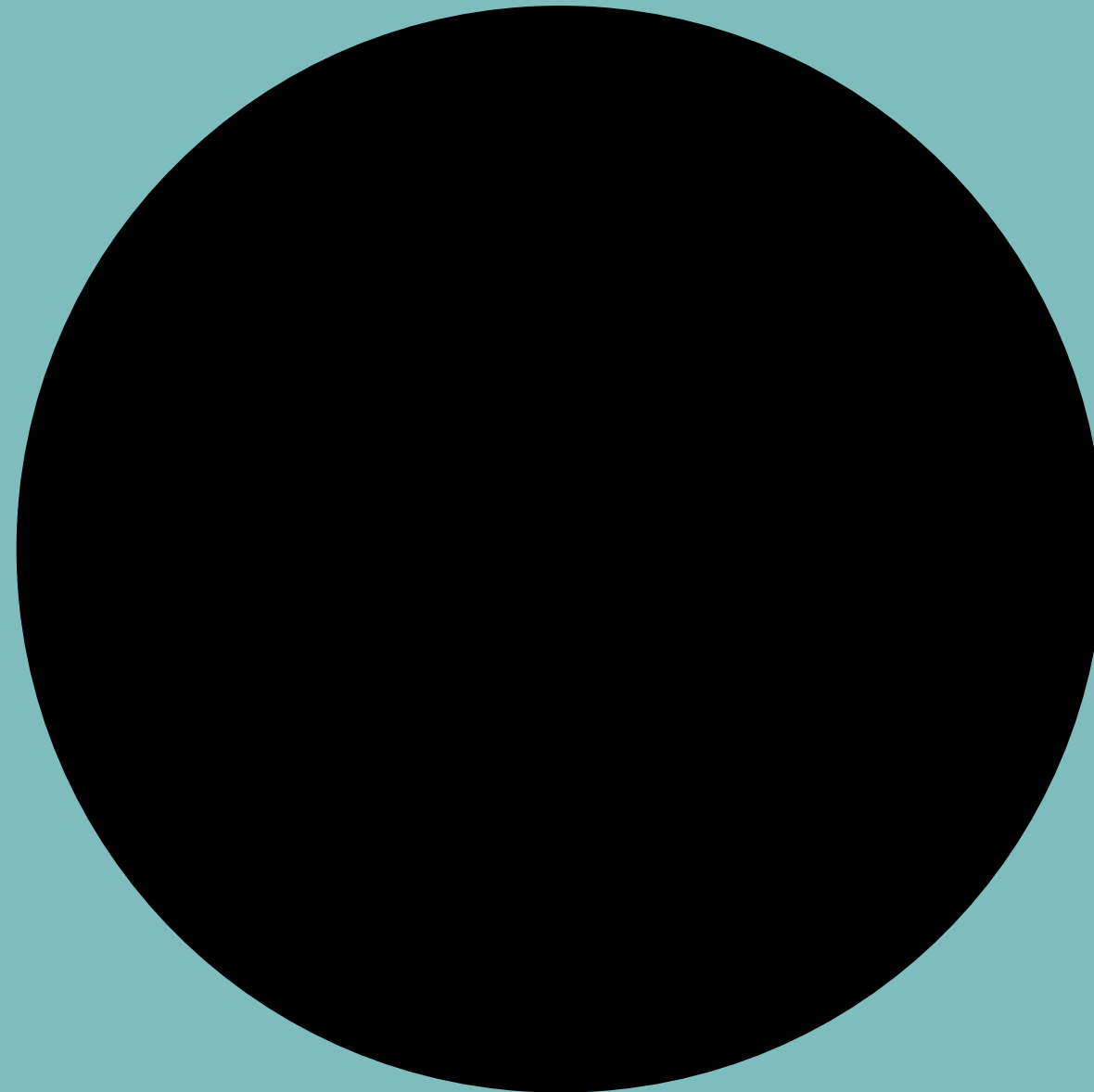


Trapezoid

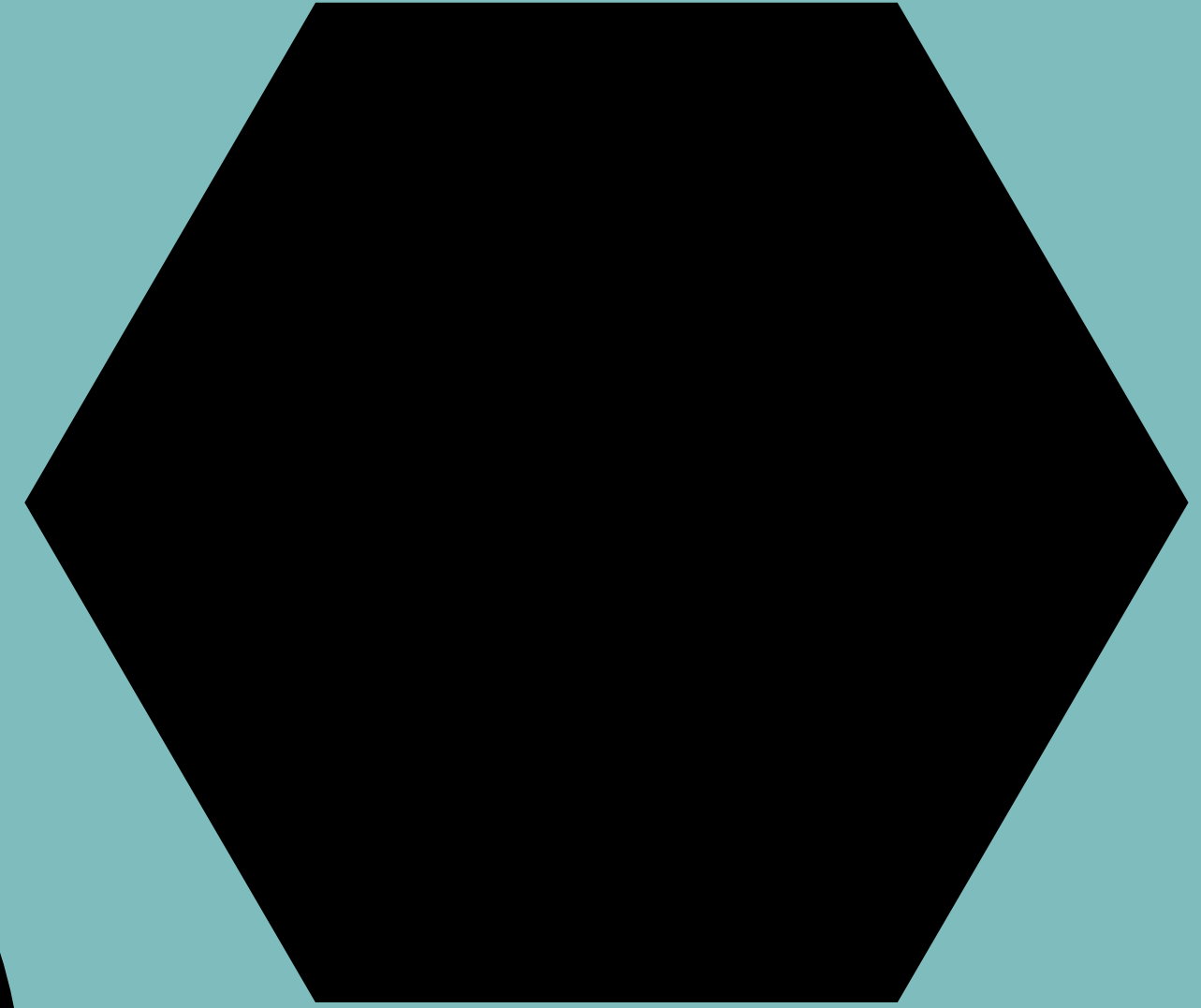
How many sides does this shape have?



Sides =

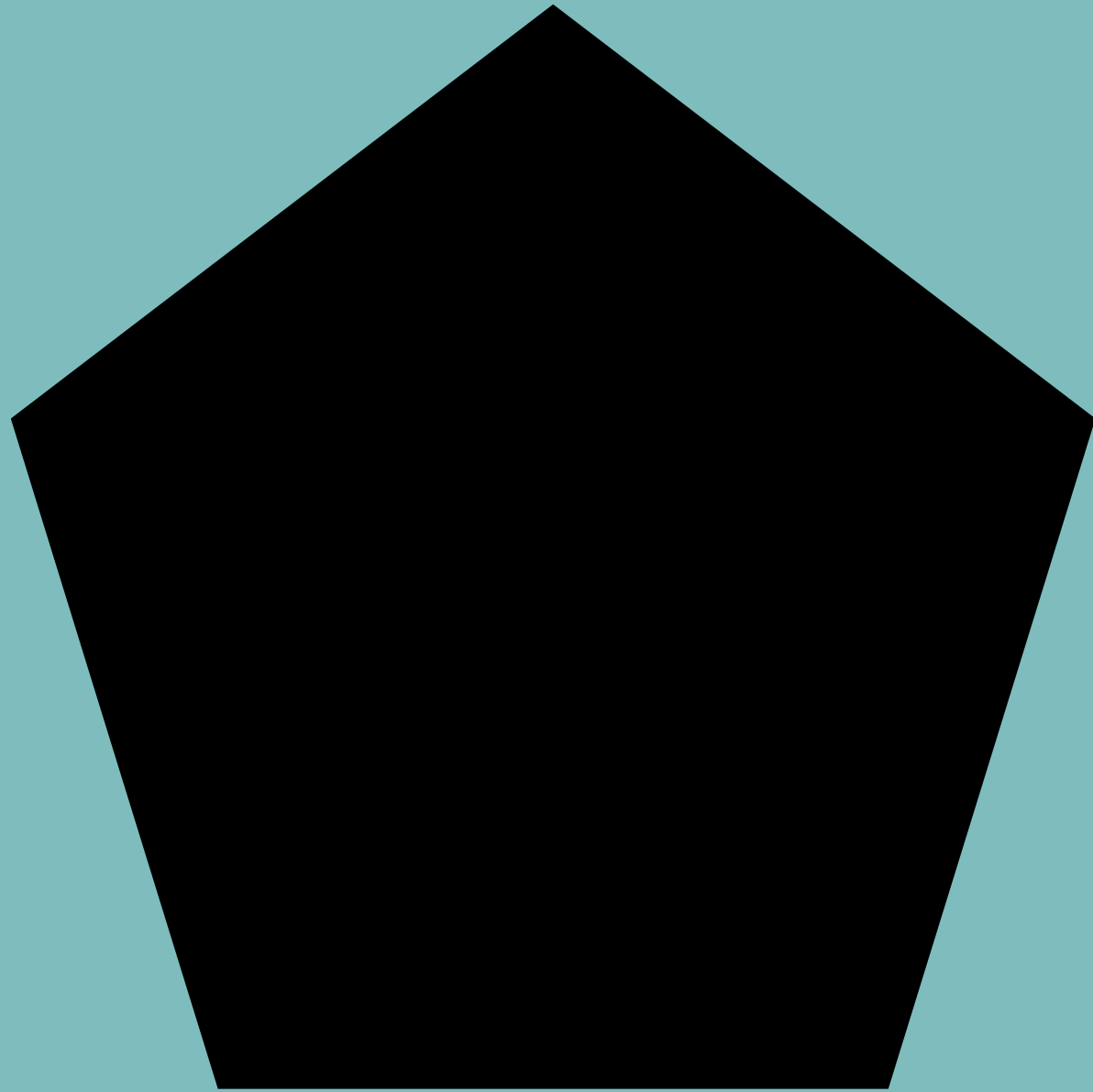


Sides =

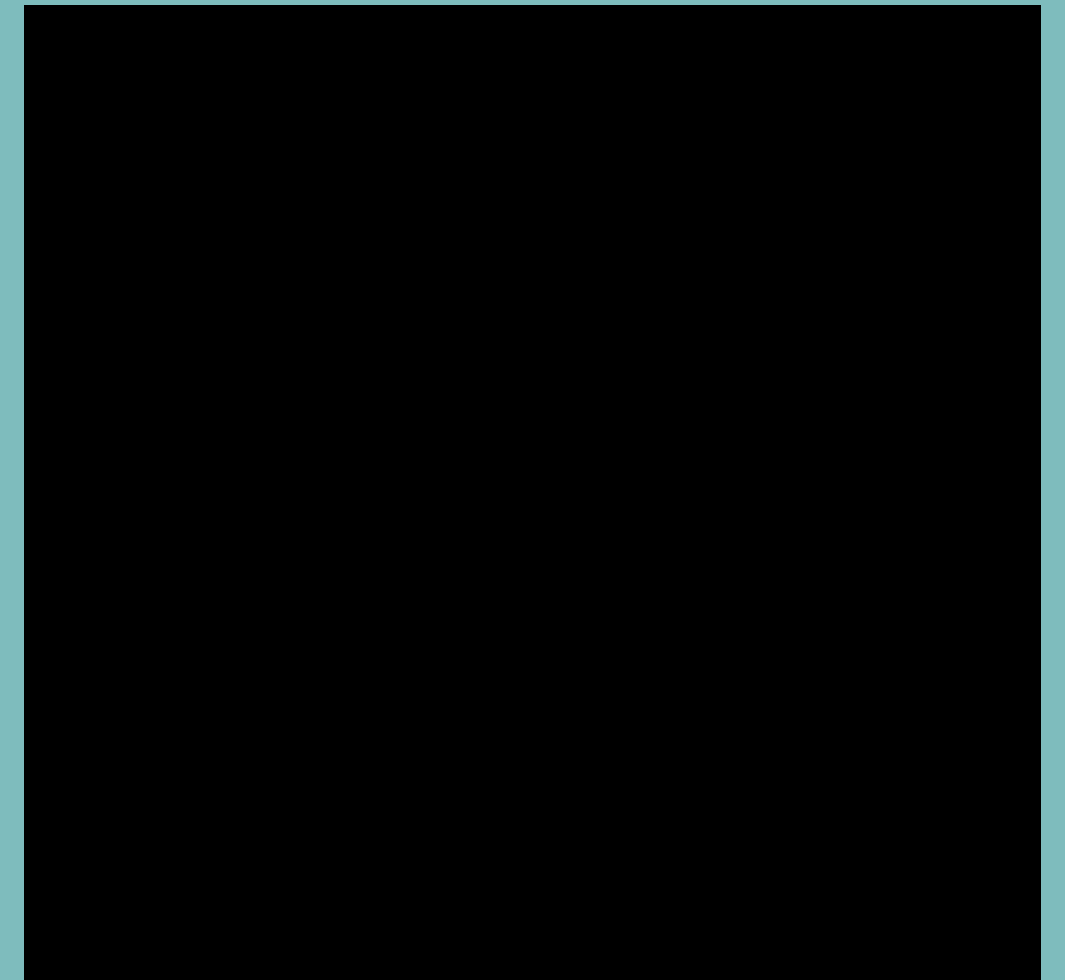


Sides =

How many sides does this shape have?

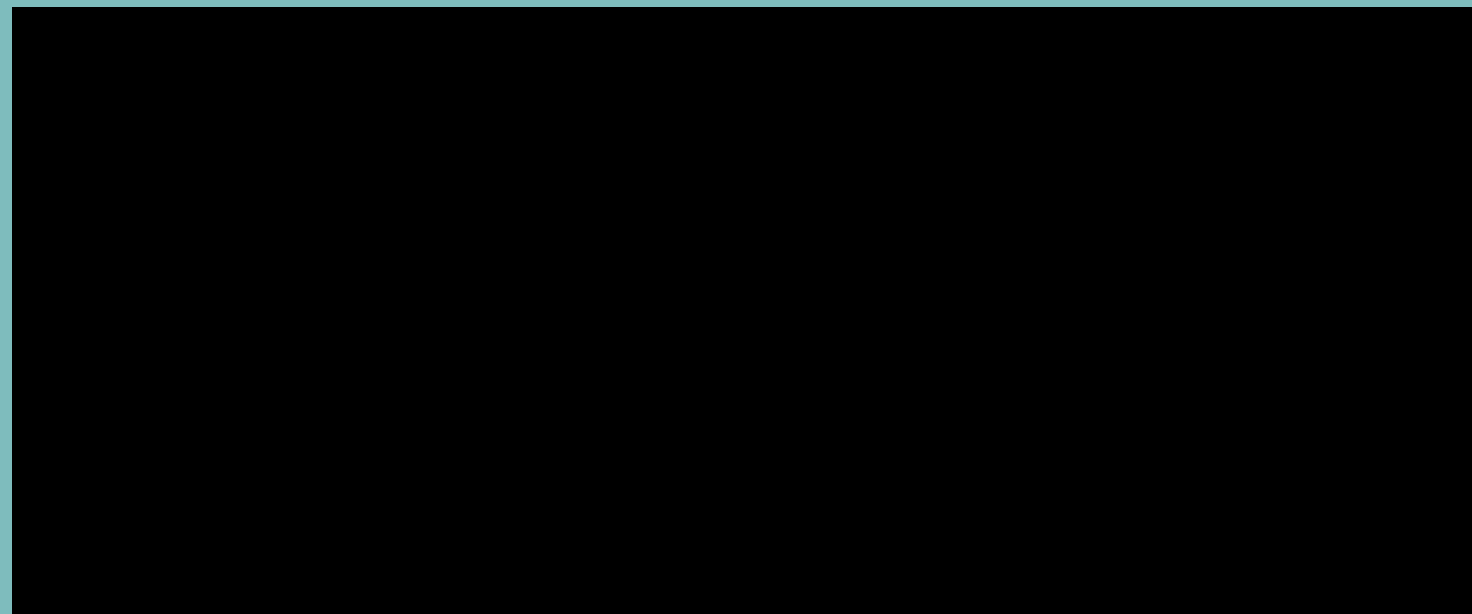


Sides =

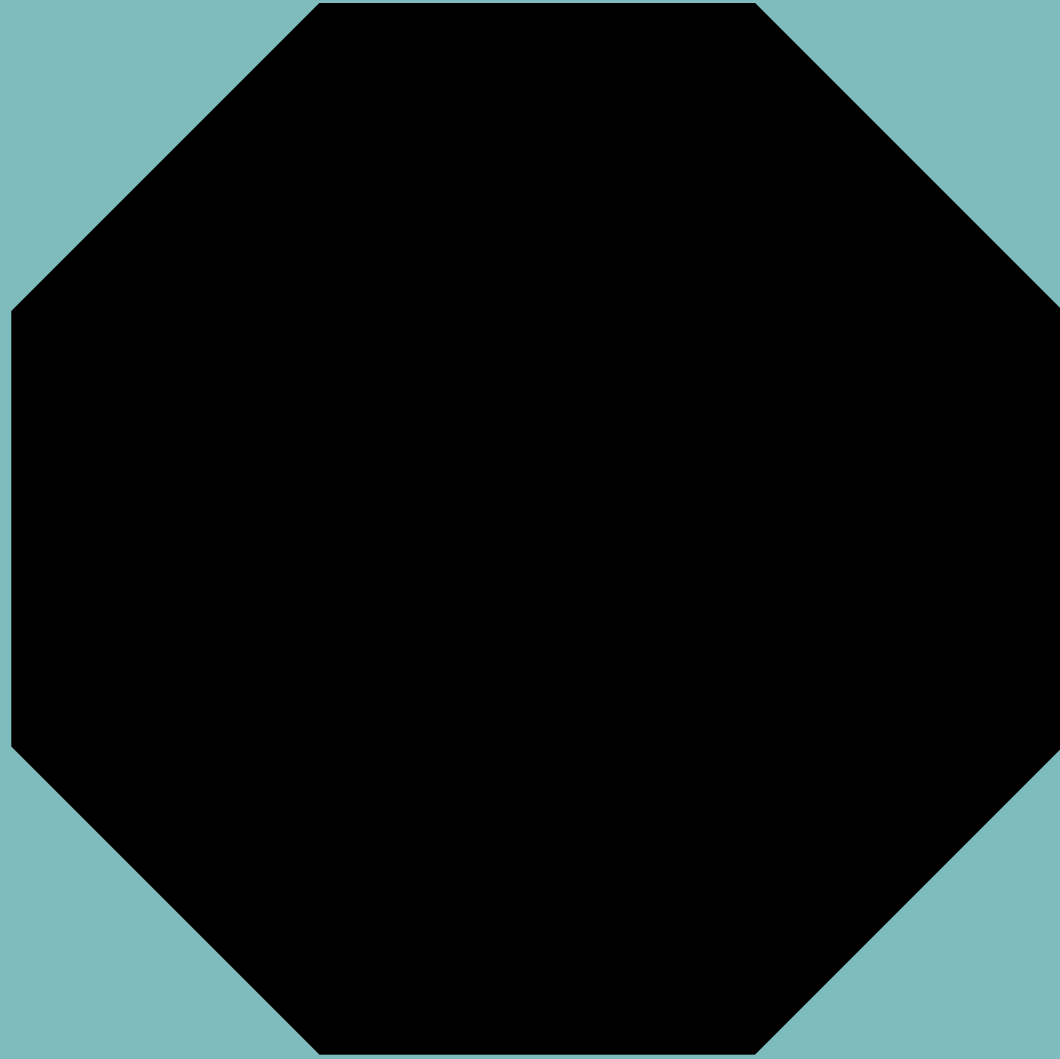


Sides =

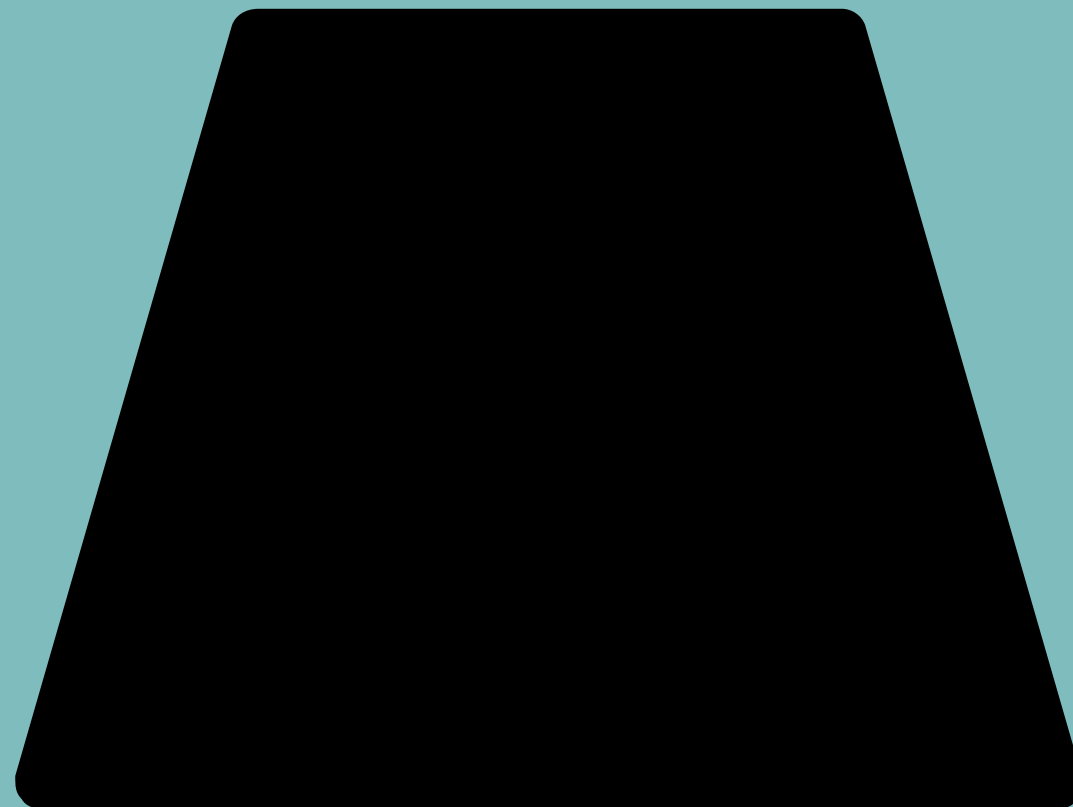
Sides =



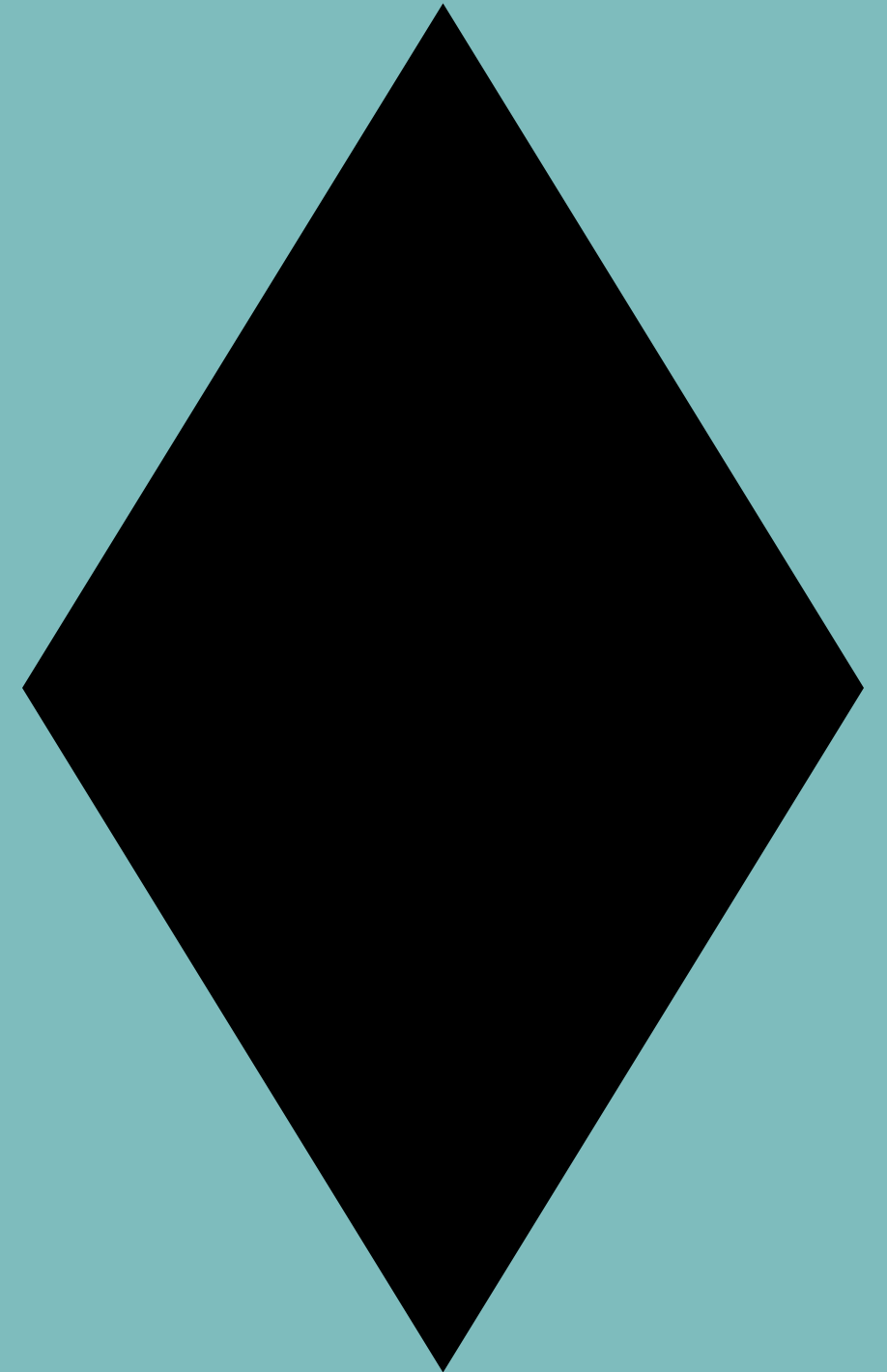
How many sides does this shape have?



Sides =



Sides =



Sides =

Today...

- We will focus on QUADRILATERALS

What is a quadrilateral?

A **quadrilateral** is a 2D shape that has four (4) sides.

"**QUAD**" means four

"**LATERAL**" means side

Quadrilateral: Rectangle

A *rectangle* is a 2D shape where the *opposite sides* have equal lengths.



Quadrilateral: Square

A **square** is a 2D shape where **all sides** have equal lengths.



Quadrilateral: Rhombus

A **rhombus** is a 2D shape where **all sides** have equal lengths and the **opposite angles (corners)** are equal.



Quadrilateral: Trapezoid

A **trapezoid** is a 2D shape that has **ONE** pair of opposite **parallel lines**.

parallel lines are lines that will never meet.



Quadrilateral: Parallelogram

A **parallelogram** is a 2D shape that has **TWO** pairs of opposite **parallel lines**.

FUN FACT: Squares, Rectangles, and Rhombuses are all Parallelograms.



Today...

- We will focus on squares and rectangles and finding PERIMETER.

What is a Perimeter?

A **perimeter** is the **total length** of the all the sides of a certain shape.

Perimeter is the total distance around a shape.

To find the perimeter of a shape = just add all the sides!

Find the perimeter of the given shape:



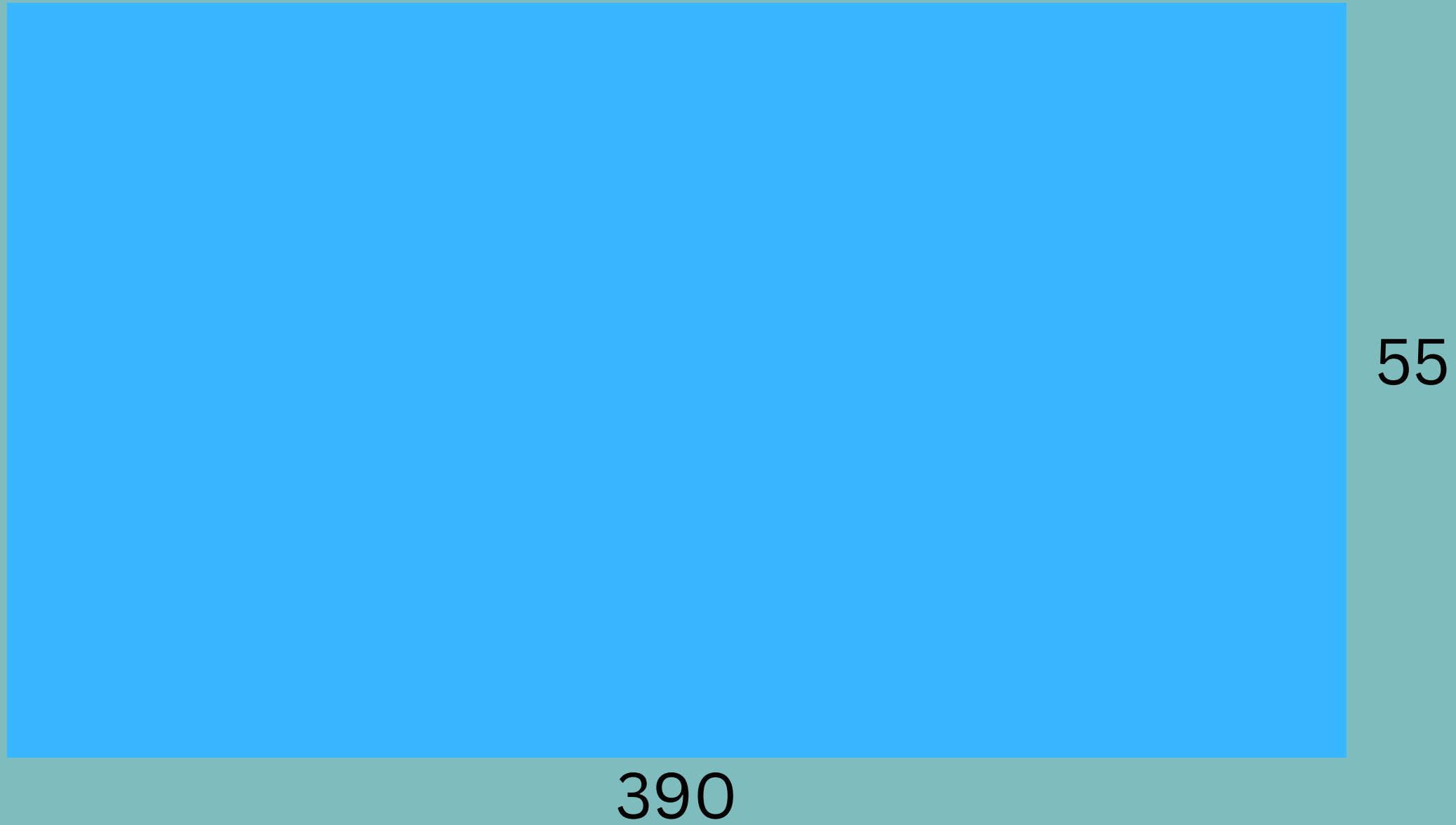
23

Find the perimeter of the given shape:



24.35

Find the perimeter of the given shape:



Find the perimeter of the given shape:



A number of engineers want to create a SQUARE field where each side measures 25 meters. What is the PERIMETER of the field?

Ms. Jozelle wishes to make a rectangular garden which measures 10 meters on the LONGER side and 5 meters on the SHORTER side. Help Ms. Jozelle find the Perimeter of her garden.

Find the side length of each square using the given perimeter.



Perimeter = 80

Find the missing length using the given perimeter.

24



24

Perimeter = 102

10

YOUR TURN!

Answer the following questions on your activity sheet.

You must finish by the end of the class!

Come to the circle table if you need help!