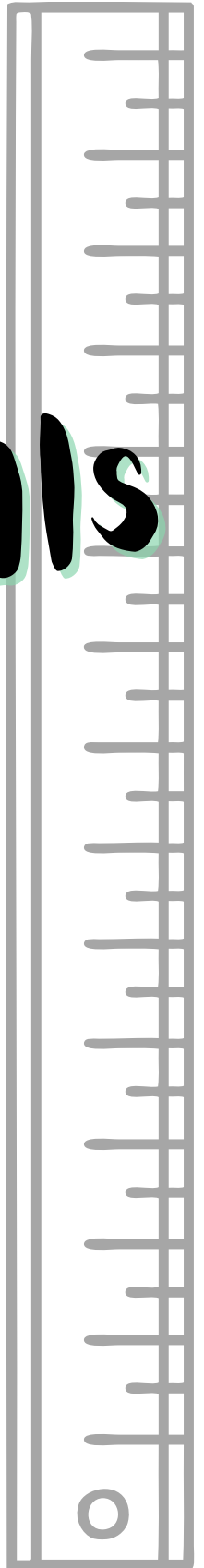
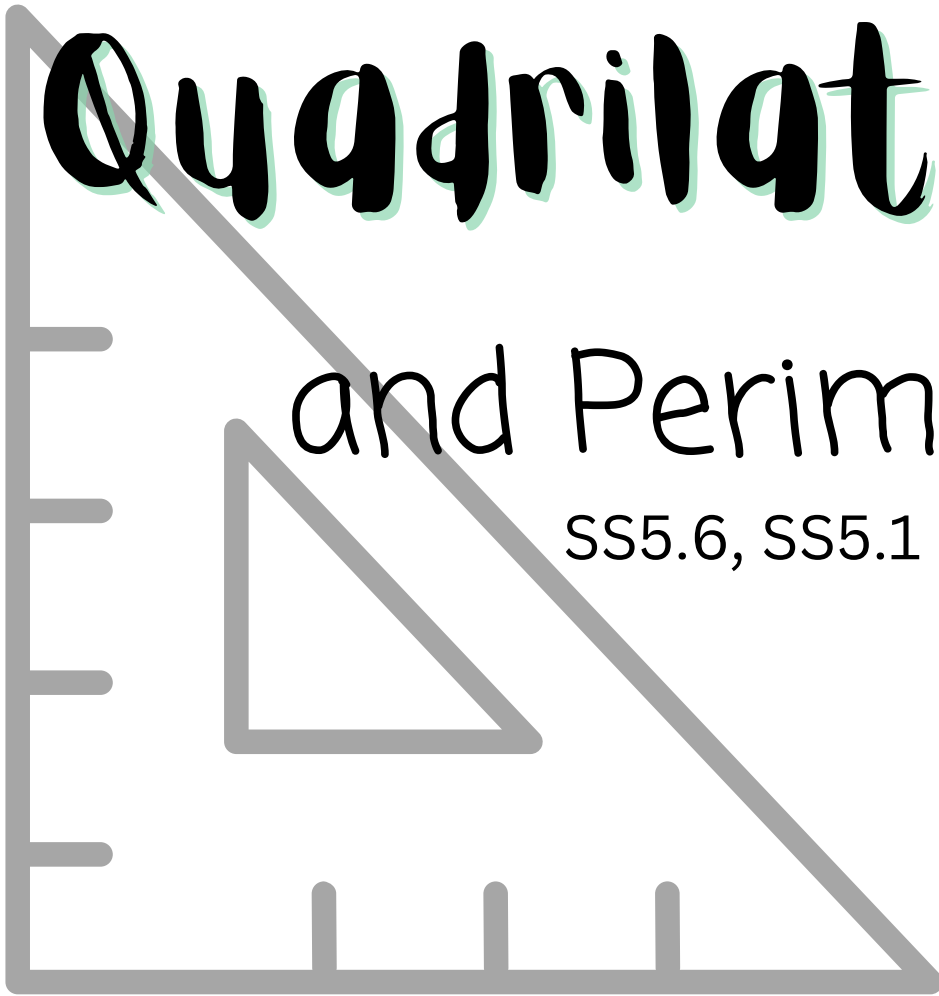


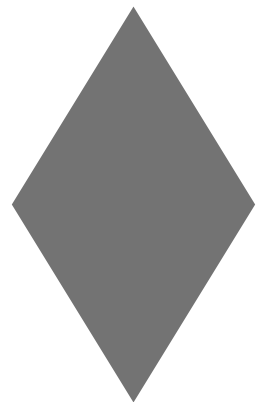
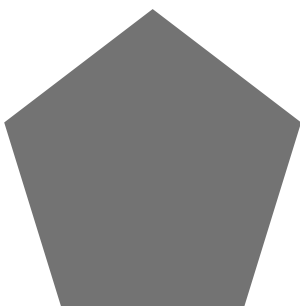
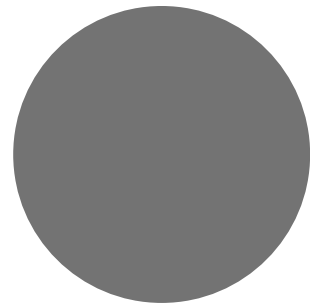
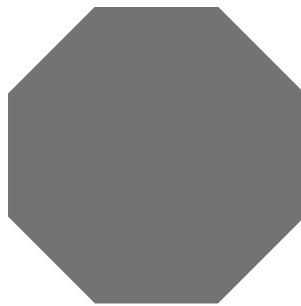
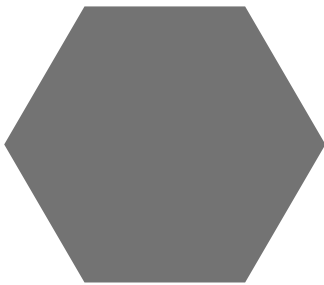
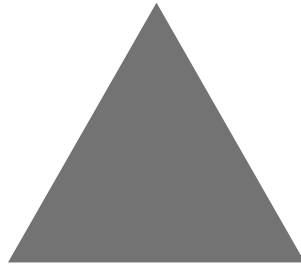
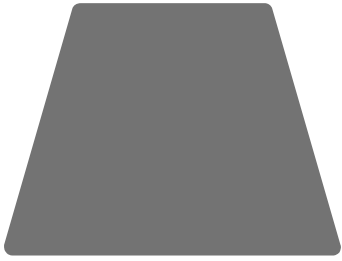
Quadrilaterals

and Perimeter

SS5.6, SS5.1



Can you identify some of these 2D shapes?
How many sides does each shape have?



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.



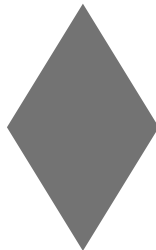
Quadrilateral: Square

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



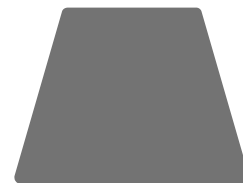
Quadrilateral: Rhombus

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.



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!



10

$$\text{Perimeter} = 10+10+10+10 = 40$$



10

12

$$\text{Perimeter} = 10+10+12+12 = 44$$

Let's Try!!

Find the perimeter of the given shapes:



23



24.35



390

55



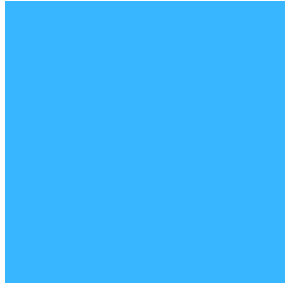
239.33

43.20

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

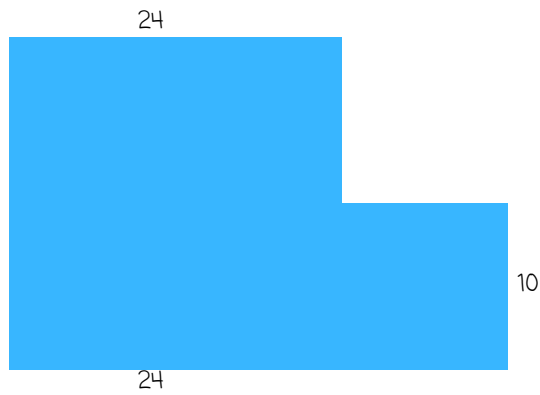
Ms. Jozelle wishes to make a rectangular garden which measures 10 meters on the LONGER side and 5 meters on the SHORTER side. Help Ms. Jozelle find the Perimeter of her garden.

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



Perimeter = 80

Find the missing length using the given perimeter.



Perimeter = 102

Name: _____

Quadrilaterals and Perimeter Worksheet

Find the perimeter using the given side(s):



18

Perimeter =



33

Perimeter =



14.02

Perimeter =

5.34

Answer the following word problem:

What is the perimeter of a SQUARE swimming pool that measures 64 meters on each side?

Determine the remaining side using the given perimeter:

REMINDER: The LONGER side is TWICE the shorter side.

$$\text{Perimeter} = 78$$

13

