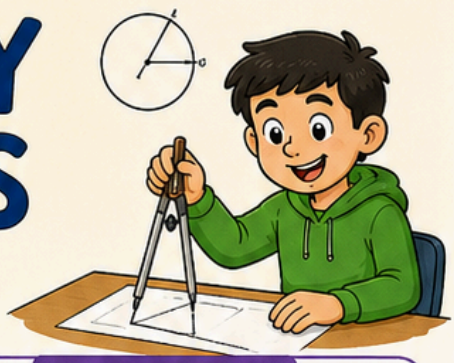


GEOMETRY ACTIVITIES

Angles, circles, symmetry, polygons, and scale drawings.



ANGLES

An angle is formed by two rays with a common endpoint.





Acute Right Obtuse

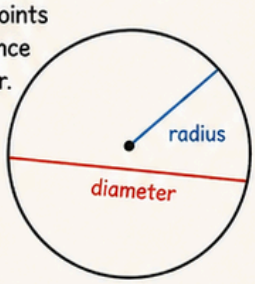
ACTIVITY:

Use a protractor to measure each angle.



CIRCLES

A circle is all points the same distance from the center.



ACTIVITY:

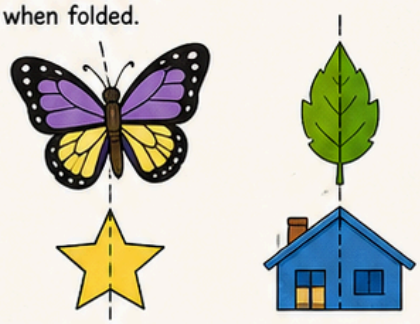
Find the diameter if the radius is 4 cm.

Diameter = _____ cm



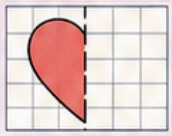
SYMMETRY

Symmetry means the two halves match when folded.



ACTIVITY:

Draw the missing half to make a symmetrical shape.



POLYGONS

A polygon is a closed shape made of straight sides.

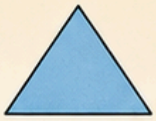


Triangle 3 sides | Quadrilateral 4 sides | Pentagon 5 sides | Hexagon 6 sides | Octagon 8 sides

ACTIVITY:

Name each polygon and count its sides.

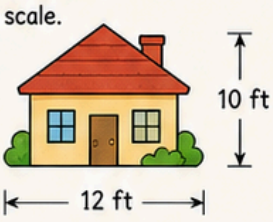
1. _____
2. _____
3. _____

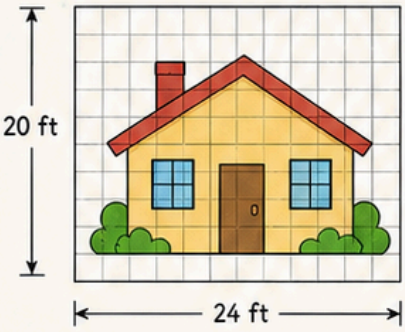


_____ sides

SCALE DRAWINGS

A scale drawing is a smaller (or larger) copy of an object using a scale.





ACTIVITY:

The scale is 1 cm = 2 ft. Use the scale to find the missing lengths.

A. If the real door is 6 ft tall, how tall is it on the drawing?

_____ cm

B. If a window is 4 ft wide, how wide is it on the drawing?

_____ cm

SCALE EXAMPLES

1 cm = 1 m (1:100)



1 cm = 2 ft (1:24)



1 cm = 5 km (1:500,000)



TIPS FOR SUCCESS

- Use your tools carefully.
- Measure twice, draw once.
- Label your work clearly.
- Check your answers!



GEOMETRY IS EVERYWHERE!

Explore shapes, measure the world, and have fun learning!