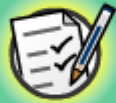


$$5 \times 7 = 35$$
$$20 + 2 = 22$$

Shapes 2



Common core icons



This icon indicates a slide where the Standards for Mathematical Practice are being developed. Details of these are given in the Notes field.



Slides containing examples of mathematical modeling are marked with this stamp.



This icon indicates an opportunity for discussion or group work.

The **Standards for Mathematical Practice** outlined in the Common Core State Standards for Mathematics describe varieties of expertise that mathematics educators at all levels should seek to develop in their students.

These are:

- 1) **Make sense of problems and persevere in solving them.**
- 2) **Reason abstractly and quantitatively.**
- 3) **Construct viable arguments and critique the reasoning of others.**
- 4) **Model with mathematics.**
- 5) **Use appropriate tools strategically.**
- 6) **Attend to precision.**
- 7) **Look for and make use of structure.**
- 8) **Look for and express regularity in repeated reasoning.**

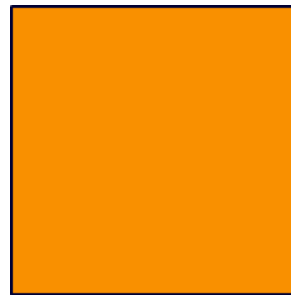


This icon indicates that the slide contains activities created in Flash. These activities are not editable.

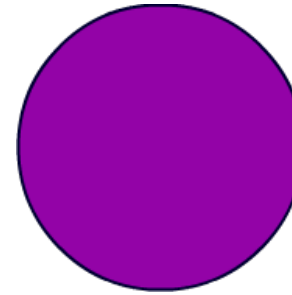


This icon indicates teacher's notes in the Notes field.

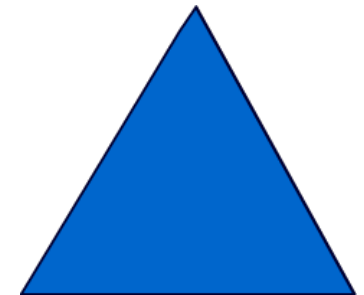
Can you remember the names of these shapes?



square



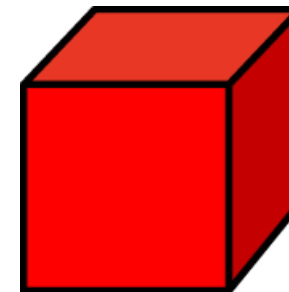
circle



triangle



rectangle



cube

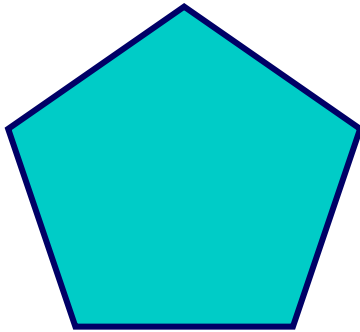


The **properties** of a shape never change, no matter what size or color the shape is.

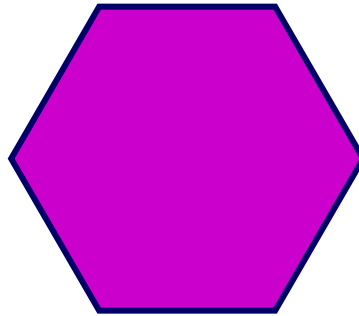


Poly- comes from the Greek word for **many**, and *-gon* comes from the word for **side**. So a **polygon** is a many-sided shape!

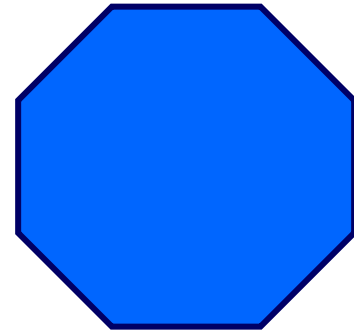
Can you name these shapes?



pentagon



hexagon



octagon

Penta- means 5, *hexa-* means 6, and *octo-* means 8.





Triangles

Quadrilaterals

The name of a polygon depends on how many sides it has – not its color or size. Can you sort these polygons into the correct boxes?

Press **start** to begin.

start



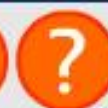


Practice drawing different shapes on this pegboard.
Press the red pegs to connect them with a line.
Continue to press the pegs to add sides to your shape.
Press the original peg to close your shape, then use the
dropdown menu to name it.

Drag completed shapes to the trash to remove them.

Press **start** to begin.

start





Can you define these vocab words?
Test your knowledge in this team quiz!
Get into two teams: A and B. Each team
will be represented by a basketball player.
If your team answers a question correctly,
your basketball player will score a point.
The team with the highest score wins!
Press **start** to begin.

start



Matching attributes



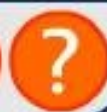
Shapes are defined by their **attributes**.
Attributes include the size and
relationship of a shape's angles and
sides. Can you match each shape with
the attributes that best describe it?

Press **start** to begin.

start

opposite angles equal

1 pair of parallel sides



The relationship between shapes can be shown in a diagram called a **hierarchy**. In a hierarchy diagram, each shape can also be classified as any shape above it.

Press on each category to see which shapes it includes.

Press **start** to begin.

start



True or false?



Read the following statements
about quadrilaterals and decide
whether each one is true or false.
Press the orange info button to see
a hierarchy diagram.
Press **start** to begin.

start

