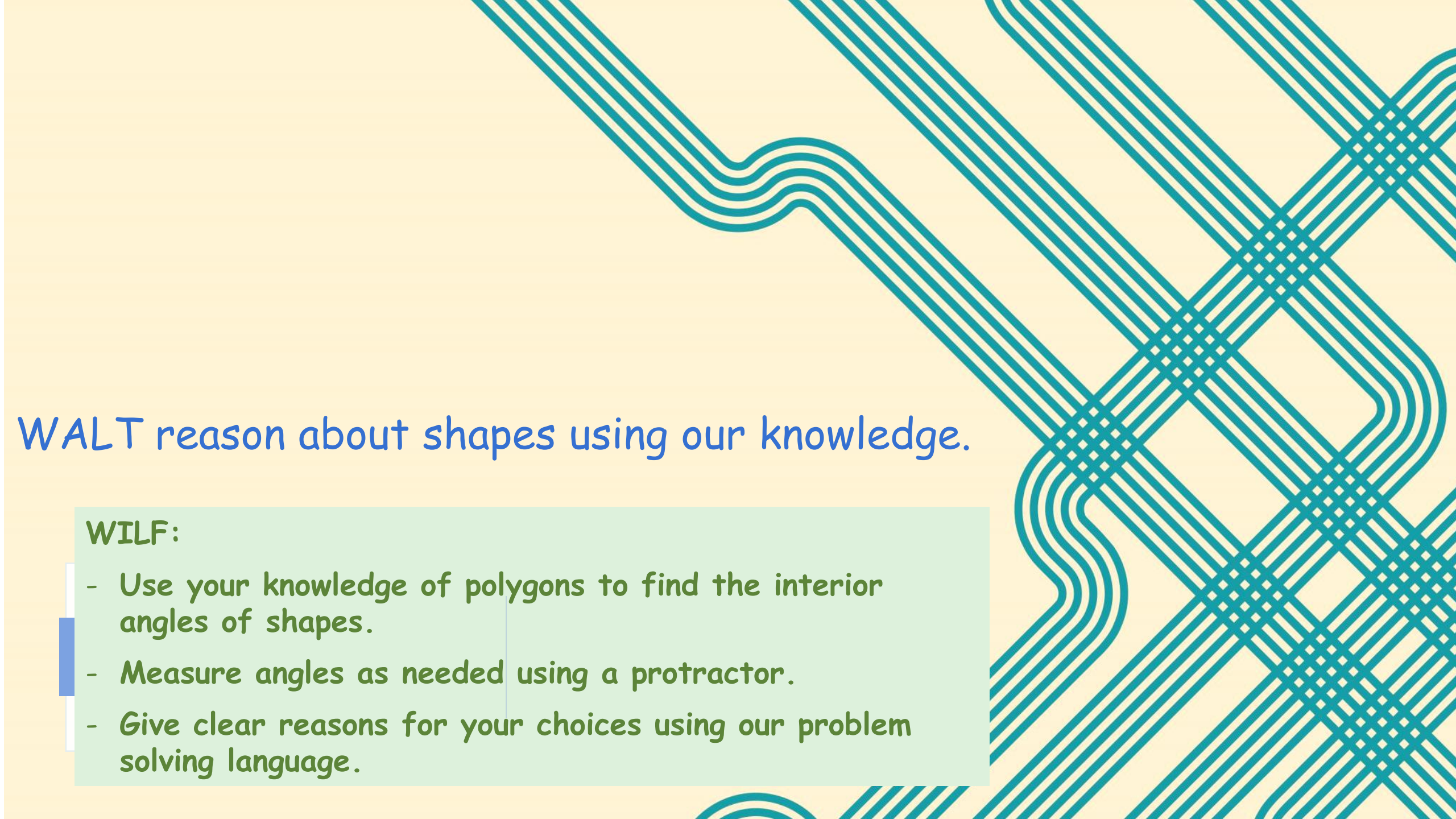




WALT reason about shapes using our knowledge.

WILF:

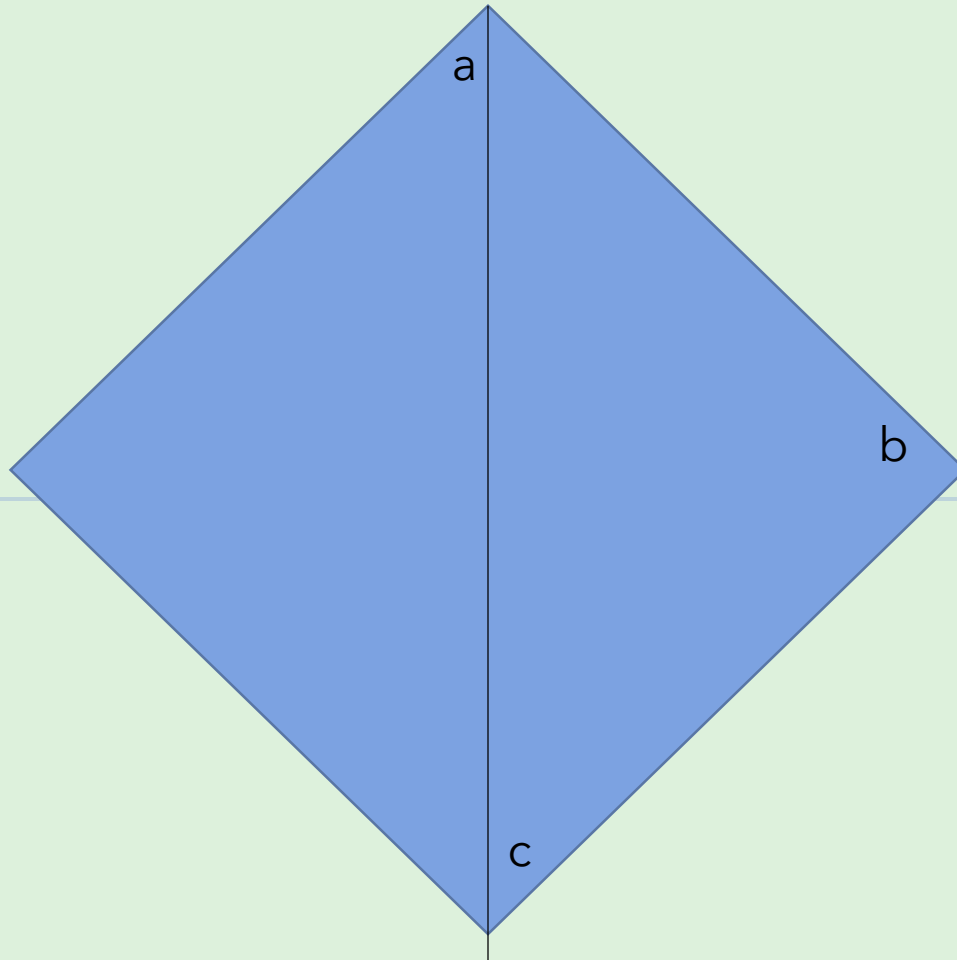
- Use your knowledge of polygons to find the interior angles of shapes.
- Measure angles as needed using a protractor.
- Give clear reasons for your choices using our problem solving language.

Today you are going to be using your Polygons and Angles knowledge to answer a range of problem solving questions.

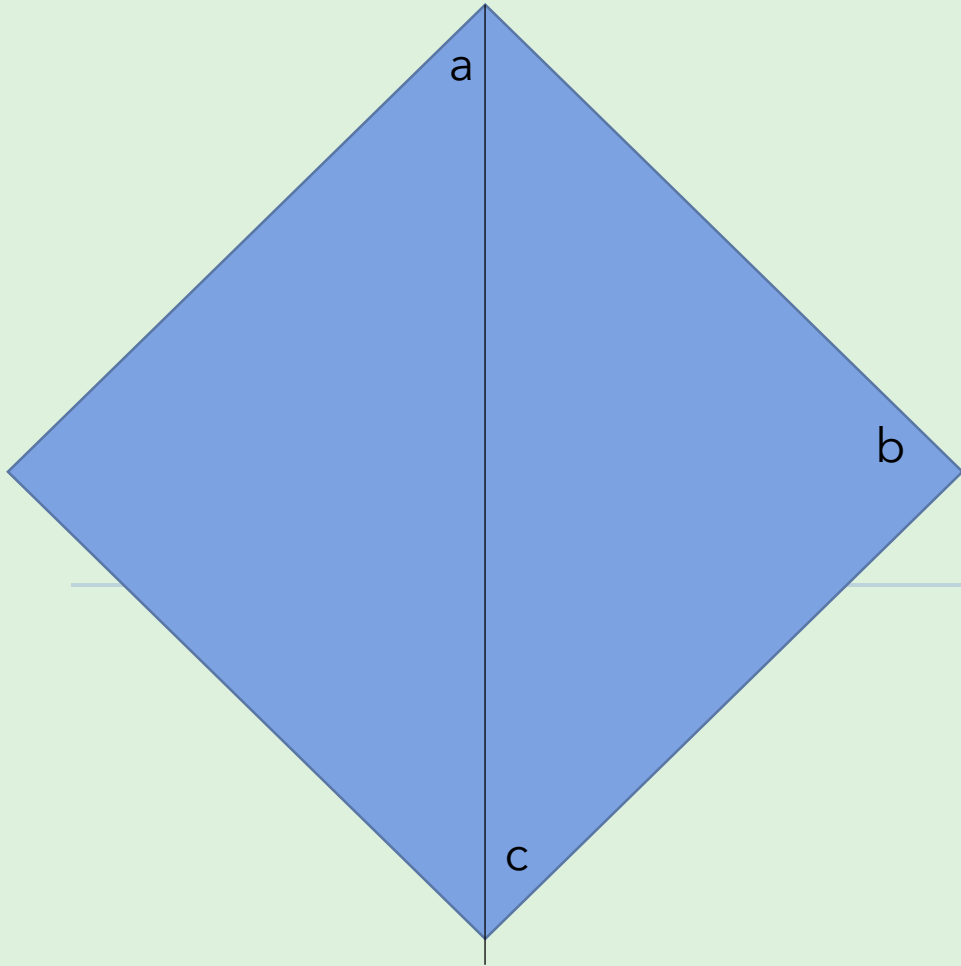


For example, if you were asked to find a on this shape, you would think: I know that each corner of a square is a right angle, and therefore 90 degrees, so A must be 90 degrees.

a is half the size of b, what is a? What is c?

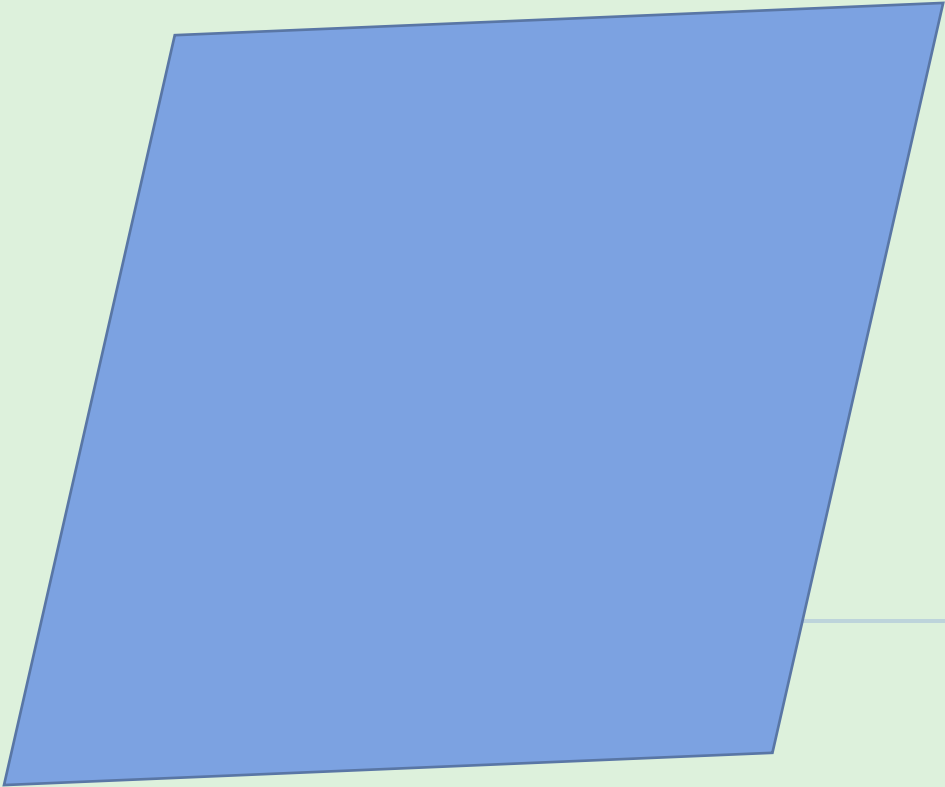


a is half the size of b, what is a? What is c?



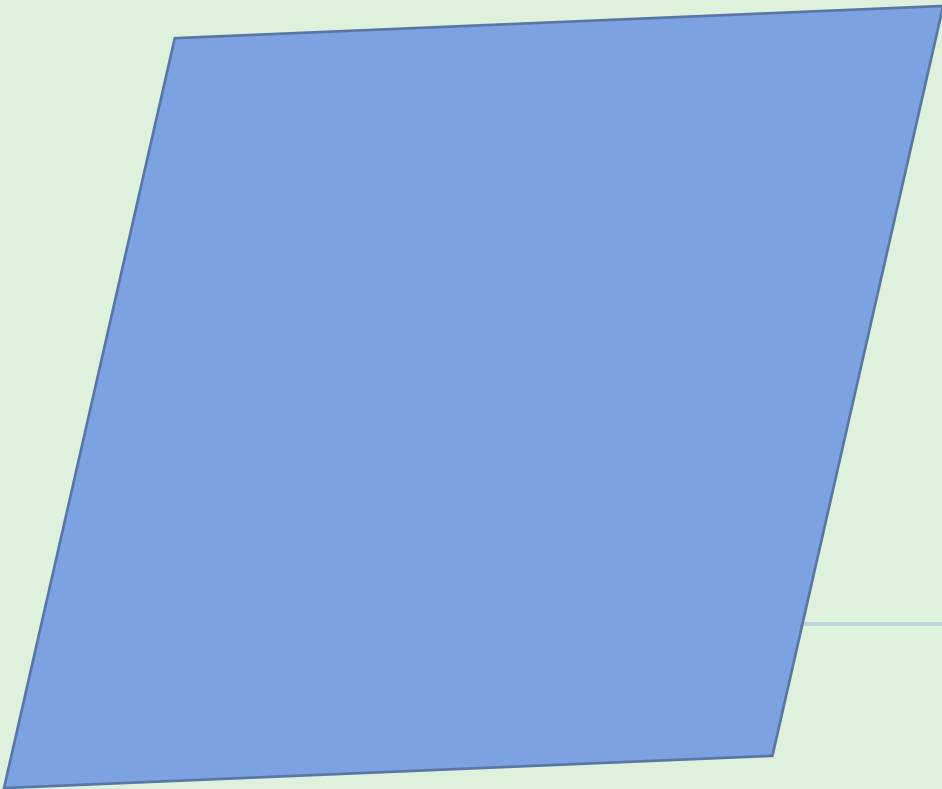
I know that b is 90 degrees because it is a right angle. A is half the size of b, so it must be 45 degrees.

C is equal to b, so must also be 45 degrees.



Is this shape a regular polygon or an irregular polygon? Why?

What type of angle is each? Why?



Is this shape a regular polygon or an irregular polygon? Why?

This is a regular polygon as all of the sides are the same length. It's a rhombus.

What type of angle is each? Why?

A rhombus has two obtuse angles and two acute angles.



Please have a go at today's activity.

Please make sure you explain your reasoning.

Use your protractor to help if you need to 😊
