

1 Warm-up: Right Angle Hunt

2-min Warm-up — Room hunt! Find 3 right angles in your room and write where you found them.

1. _____
2. _____
3. _____

2 Learn: What is Symmetry?

A shape has **symmetry** when you can fold it and both halves match exactly. The fold line is called a **line of symmetry**.



The heart folds into two matching halves. ✓



The letter T matches too. ✓



The letter F does NOT match! ✗

3 Draw the Lines of Symmetry

Draw ALL the lines of symmetry you can find. Then write how many.



Heart

_____ line(s)



Square

_____ line(s)



Triangle

_____ line(s)



Rectangle

_____ line(s)



Arrow

_____ line(s)

4 Word Problems: Symmetry Thinking

Read carefully. Think about what is happening. Draw if it helps!

Rosa folds a paper heart in half and both sides match perfectly. Then she folds it the other way (side to side) and the halves do NOT match. How many lines of symmetry does her heart have?

Draw or write your thinking: _____

Answer: _____

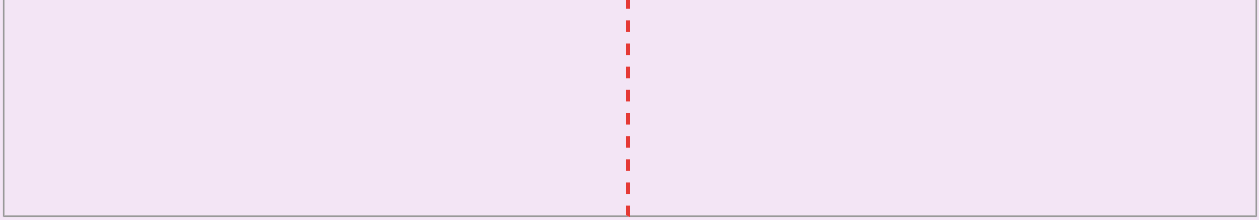
Ben says a circle has only 4 lines of symmetry: up-down, side-side, and two diagonal. His sister says there are MANY more. Who is right, and why?

Draw or write your thinking: _____

Answer: _____

5 Challenge: Create Your Own Mirror Design

Create Your Own — The dashed line is a line of symmetry. Draw a design on the LEFT side, then draw its mirror image on the RIGHT side.



Check: fold your paper on the dashed line. Do the halves match?