

To sort shapes based on criteria

Steps to Success:

- 1) I can put shapes into groups
- 2) I can choose how to record groups
- 3) I can group shapes in a diagram

Vocabulary

Criteria

Polygon

Regular

Irregular

Edges (Sides)

Angles

Right angle

Vertex (corner)

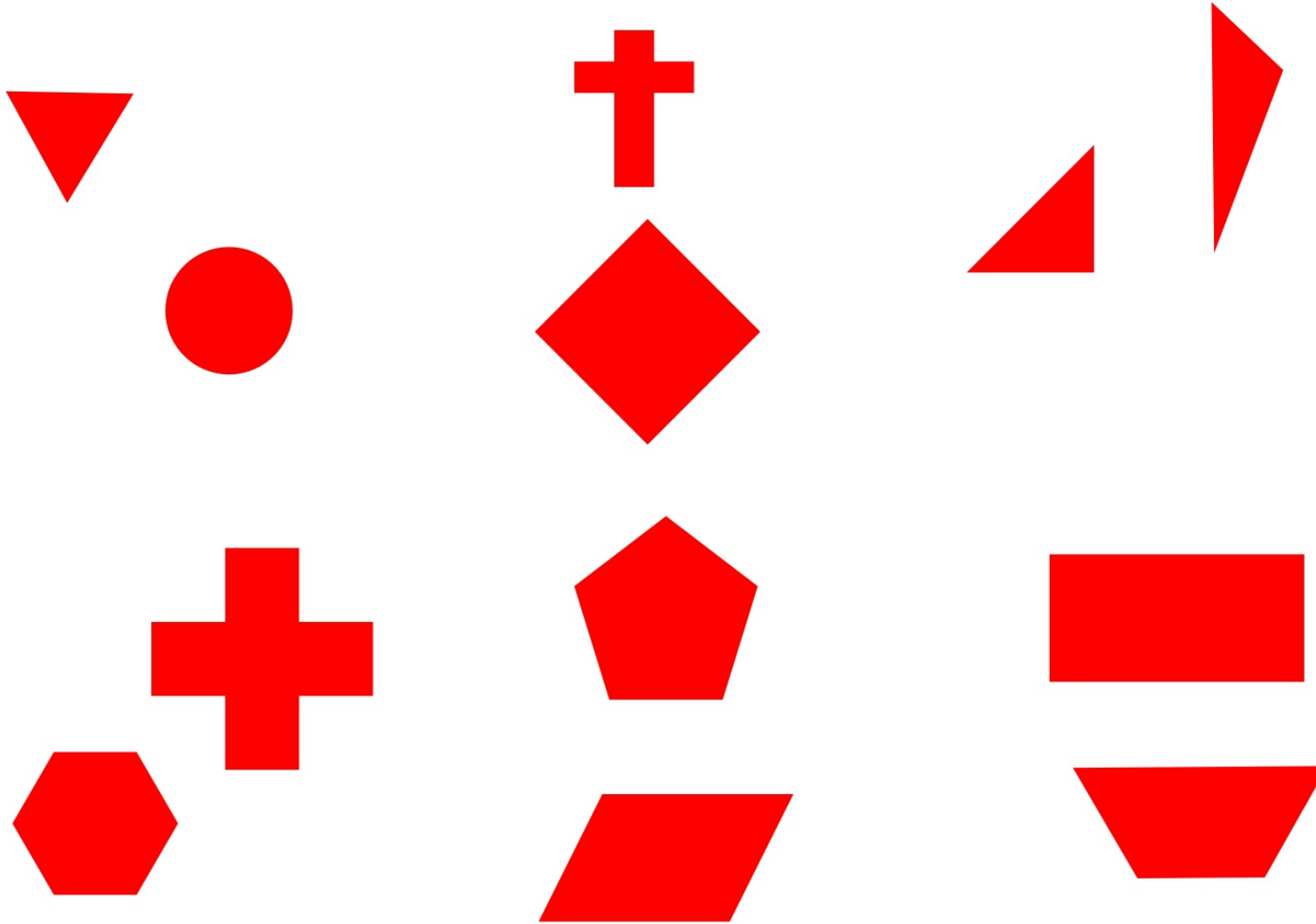
Symmetry

triangle (3)

quadrilateral (4)

pentagon (5)

Split these between your group, cut them out quickly!



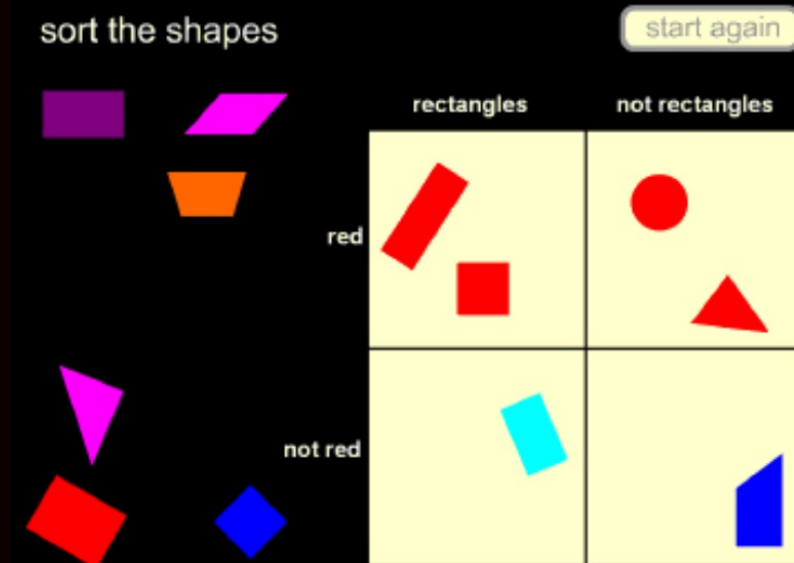
Sort your shapes into groups.

What criteria did you choose?

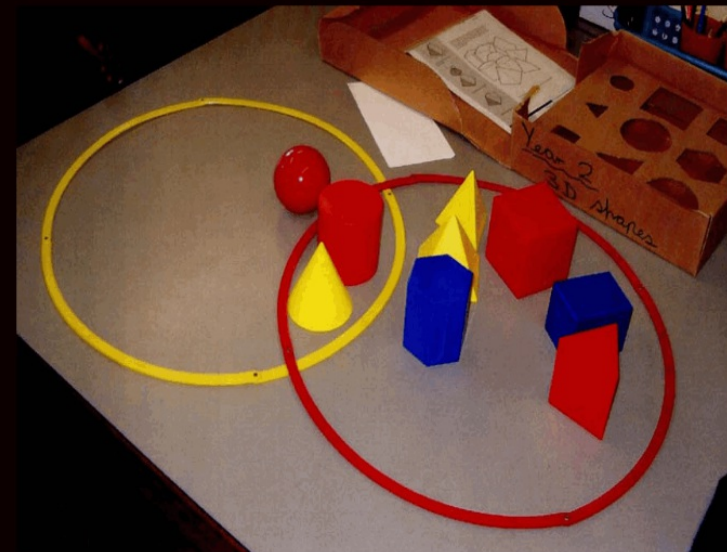
How did you decide to group them?

How could you record this on paper? What tables or diagrams could you use?

Carroll



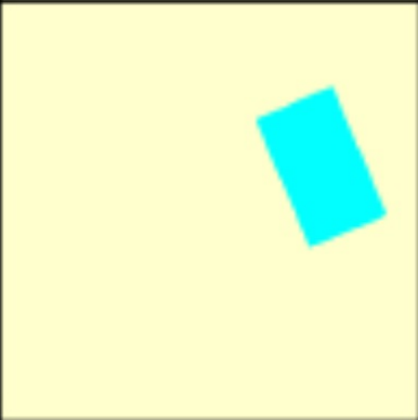



Venn

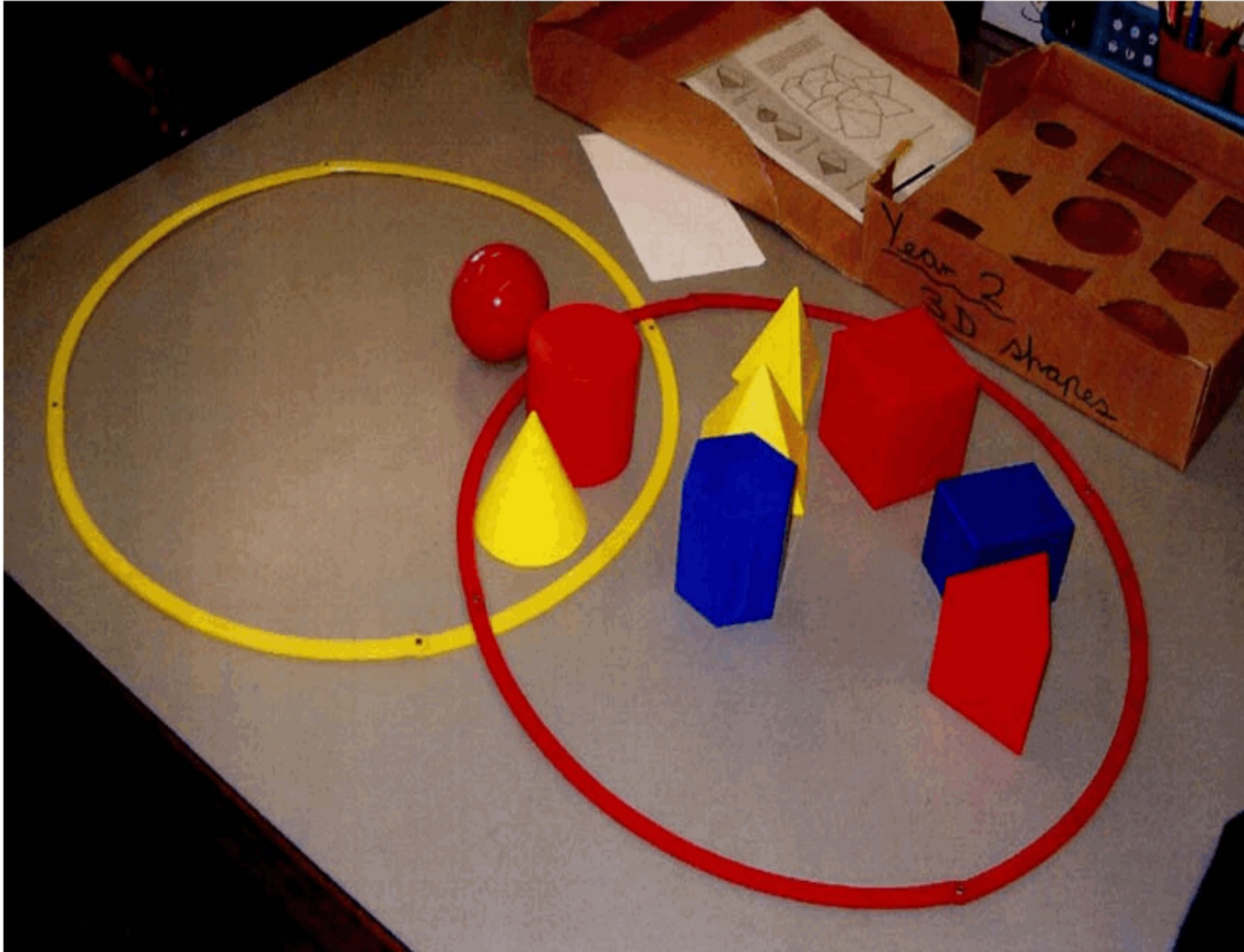


sort the shapes

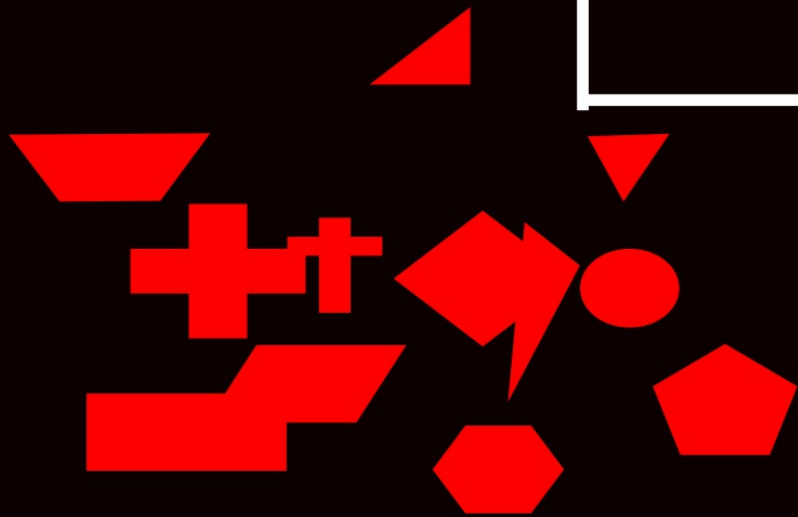
start again

	rectangles	not rectangles
red		
not red		

The image shows a sorting task on a black background. On the left, there are six shapes: a purple rectangle, a pink parallelogram, an orange trapezoid, a pink triangle, a red rectangle, and a blue diamond. On the right, a 2x2 grid of yellow boxes is used for sorting. The columns are labeled 'rectangles' and 'not rectangles'. The rows are labeled 'red' and 'not red'. The 'red rectangles' box contains a red tilted rectangle and a red square. The 'not red rectangles' box contains a cyan tilted rectangle. The 'red not rectangles' box contains a red circle and a red triangle. The 'not red not rectangles' box contains a blue trapezoid. A 'start again' button is in the top right corner.





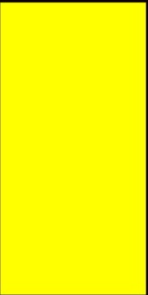

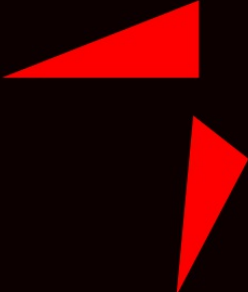
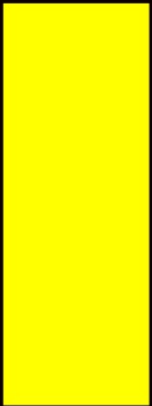
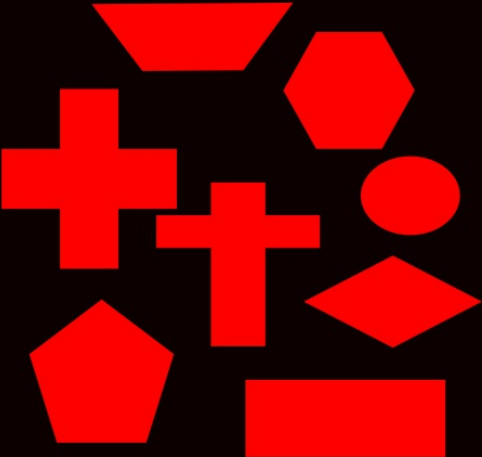

Quadrilateral	Non Quadrilateral





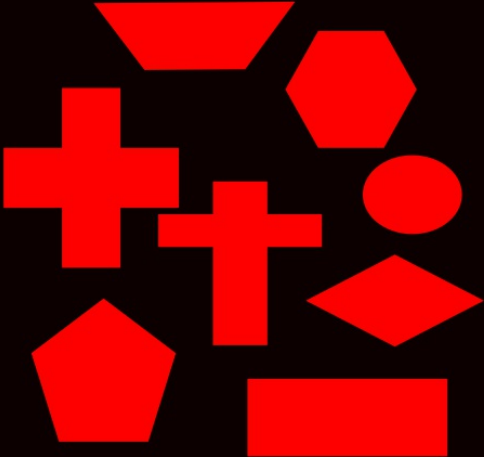

Triangle	Non Triangle

	Triangle	Non Triangle
Regular		
Irregular		

What
are the
criteria?

What are the criteria?

	Symmetrical	Non Symmetrical
Triangle		
Non Triangle		

Spot 3 mistakes



	4 or more edges	less than 4 edges
Regular	A collection of four red regular polygons: a diamond (square rotated 45 degrees), a regular pentagon, a regular hexagon, and a regular trapezoid.	A single red equilateral triangle.
Irregular	A collection of three red irregular polygons: two crosses of different sizes and orientations, and a horizontal rectangle.	A collection of three red irregular polygons: two triangles of different shapes and orientations, and a parallelogram.