Supplementary Movie 1. Target Grouping condition for the shape feature. Objects begin as undifferentiated black squares on a white background. 4 of the 8 shapes are flashed briefly to be designated as targets. The objects transform into squares and circles. All targets are the same shape and all distractors are another shape. After a brief pause, shapes begin to move. Their motion is restricted to rotations about a point in each quadrant. After approximately 8 seconds, shapes transform back into squares and stop movement when a subject would be allowed to select (see Figure 1). The speed at which this movie plays is slightly faster than the speed seen in the experiment.

Supplementary Movie 2. Target Distractor Grouping condition for the shape feature. Everything is identical to Supplementary Movie 1 except two of the four targets transform into triangles while the other two transform into circles (see Figure 1). Distractors undergo the same transformations. As a result, some of the target and distractor objects share a shape feature. The speed at which this movie plays is slightly faster than the speed seen in the experiment.