# Team 'Em Up

**Activity:** Students are shown several items. Can students connect any of the items so that they are on the 'same team'. Items could be on more than one team. How many different teams can students make? For example, the Rubik's cube and dice are both cubes, so they could go on a team. The Rubik's cube has 9 squares on each side, so 54 in total. This is an even number just like 16.

**To support:**

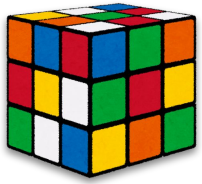
- Ask students what they notice about each individual picture.
  - Can they connect a number to it?
  - Can they connect a shape to it?
  - What other connections can they make?
- Are there any items with the same observations? Put them on a team!

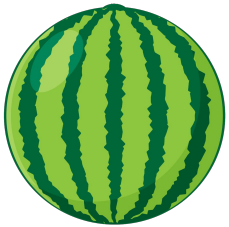
**To challenge:**

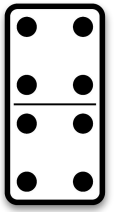
- Students could:
  - make at least 4 teams.
  - include terms like shape, factor, prime, composite, cubed, rounds up/down, etc. if appropriate.
  - be encourage to think outside the box - we have put the shoes and the map on 'Team Distance' because you can walk long distances (miles or kilometers) and maps also show distances.

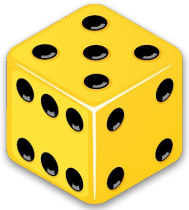
# Team 'em Up

Which of these pictures could connect to each other in a mathematical way? Put them on a team! How many different teams can you make?









# Possible Solutions

Here are some of my ideas. How could you explain my thinking?

Team Even Numbers

Team 3D Shapes

Team Multiples of 4

Team Distance