



### 3D shape hunt

Practise recognising 3D shapes by investigating food packets in your kitchen.



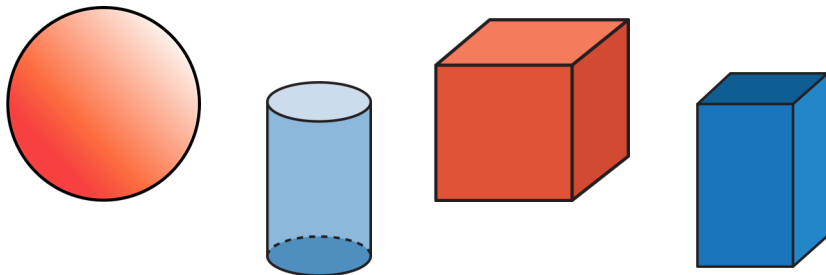
cube

cuboid

sphere

cylinder

First, match the label to these shapes.



Now, look in your cupboards – can you find something that is the same shape as each of these shapes?

### Let's do this!



Can you find any shapes that are not cubes, spheres, cuboids or cylinders?

### Challenge

Use empty packages to build a castle.



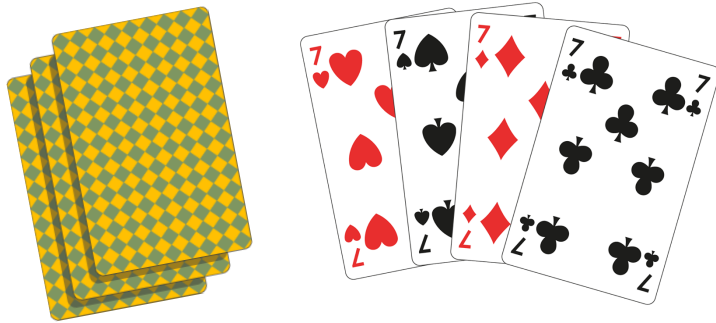
What shape will you use for each part?





### Number war!

You will need a set of playing cards and at least one more person to play against.



Take out the picture cards.

First, share the cards equally between the players.

Place your pile of cards face down in front of you.

Each player turns their top card over so the other players can see it.

The player with the highest number on their card wins ALL the cards.

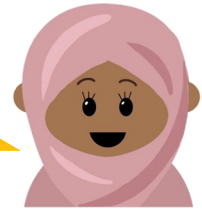
If more than one player has the same highest number, each player turns over another card and the winner of that round takes all the cards.

### Let's do this!

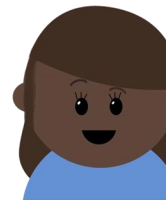


You could change the game to make it more challenging!

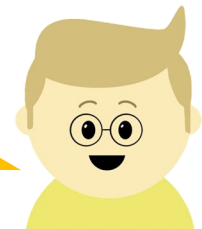
You could have the smallest number to win.



You could turn two cards over and the greatest total wins!



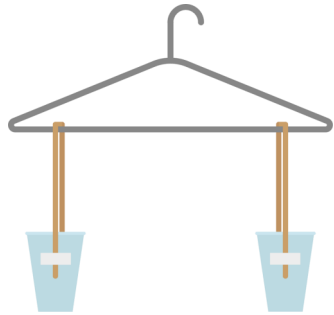
You could play until someone turns over a particular number – 10 for example.





### Balance scales

Make a set of balance scales and practice estimating weight.



All you need is a coat hanger, about 2 meters of string and two plastic or polystyrene cups.

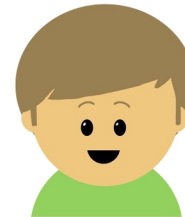
First, ask a trusted adult to help cut the string into four equal pieces. Tie the ends of two pieces tightly together. Repeat with the other two pieces.

Next, stick the loose ends of the two pieces securely to the cups.

Attach the tied ends of string to each arm of the coat hanger and hang the balance from a door handle.

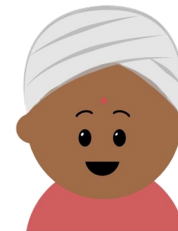
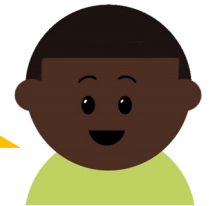
Check the balance is equal before you start.

### Let's do this!



First, find an item to use as your weight - a potato would work very well.

Now, look around your house and find items that you think are the same weight as the potato.



Put the potato in one of the cups. Then, put one of your items the other cup to check.

How accurate were you?

