

BALL AND FEATHER

You will need:

- A ball and a feather

What you do:

1. Hold a bouncy ball in one hand and a feather in the other.
2. Drop them from the same height at the same time.

You should find:

The ball reaches the ground faster than the feather. There is less air resistance acting on the ball because it is streamlined, so it can travel faster. If there was no resistance from the air, then a feather and ball would both drop at the same speed.

There's no air on my planet.
Guess which will
hit the ground first...



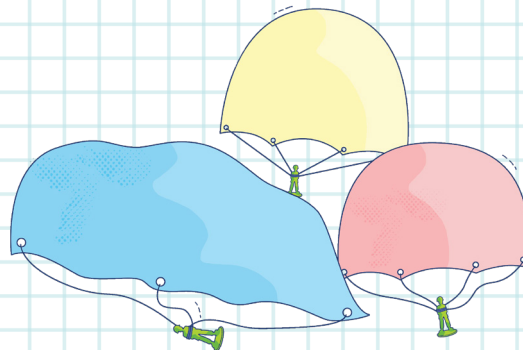
PARACHUTES

What you do:

1. Cut the string into four equal lengths.
2. Punch a hole in each corner of the handkerchief and tie a piece of string through each hole.
3. Tie the other ends of the string to one of the toys.
4. Drop both toys from a height. Which of them hits the ground first?

You will need:

- An old handkerchief or similar sized piece of material
- String
- A hole punch
- Scissors
- 2 small figures or dolls of the same weight



You should find:

The toy with the parachute fell more slowly. Gravity pulled both toys down to earth, but because the parachute is in contact with more air than the toy alone, there is more drag slowing it down.