**Science: Air Resistance**

Draw a parachute. Draw two arrows and label gravity and air resistance.

I carried out an experiment. I made three different sized square parachutes for a doll:

* Small (25cm2)
* Medium (100cm2)
* Large (400cm2)

I dropped the doll from the same height with each parachute and then timed how long it took for the doll to reach the floor. These are my results.

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| --- | --- |
| Parachute size | Time taken to fall (seconds) |
| Small | 3 seconds |
| Medium | 5 seconds |
| Large | 10 seconds |

1. Which parachute fell the quickest?
2. Which parachute took the longest to fall?
3. Which parachute do you think is the best and why?
4. I could make an extra-large parachute (900cm2). Make a prediction for how long you think that might take to fall.