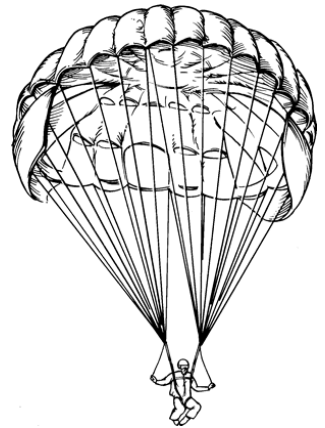⭐ _**Aim:**_ _To be able to make a parachute a justify choices._

Task: Make a parachute when given a choice of factors to drop in a competition to see which parachute will stay in the air the longest.

Choices

Material - Tissue paper

Size - Tick the box that you will use

| | 70cm x 70cm | | 50cm x 50cm | | 30cm x 30cm |

Why have you made this choice?

....

String length - Tick the box that you will use

| | 15cm | | 30cm | | 45cm |

Why have you made this choice?

....

Amount of blue tack on the end of the parachute

| | 10g | | 50 g | | 100g |

Why have you made this choice?

....

Making the parachute

1. Put some sellotape over each corner of the tissue paper. This will prevent it from tearing when the string is placed through it
2. Make a small hole in each corner that you can thread the string through. Once threaded tie the string so that it will stay tied to the tissue paper. Do this for all four corners.
3. Take the end of each piece of string and tie a small knot so that they stay together.
4. mould you blue tack around the small knot and make sure that it is in place firmly.
5. Test your parachute!

Results

Height dropped from .... m

Time test 1 ....   Time test 2 ....   Time test 3 ....   Time Av ....

Measuring the speed

Speed = Distance / Time

What is the average speed of your parachute? ....

Conclusion

After watching other peoples parachutes I can conclude that the best factors for a parachute are .... because ....

....
....
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