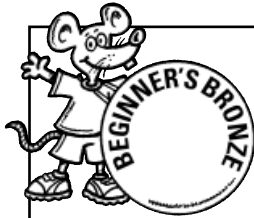


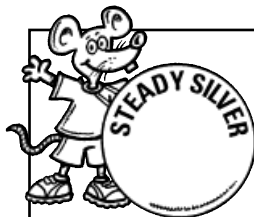
Air resistance



1. Twins Jack and Jill each weigh 70kg. They jump out of an aeroplane at the same time, each with a parachute made of the same material. Jack's parachute is 25% bigger than Jill's. Who will land on the ground first and why?

_____ will land first because _____

2. Draw arrows to show the air resistance force on Jack and Jill's parachutes.



3. Why do you think aeroplanes have rounded noses? Explain your answer.

4. Which skier will go faster? Explain your answer.



5. Look at these two lorries. Which one will use less fuel? Why?

