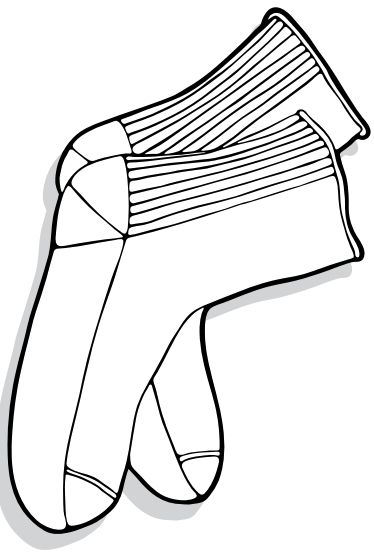


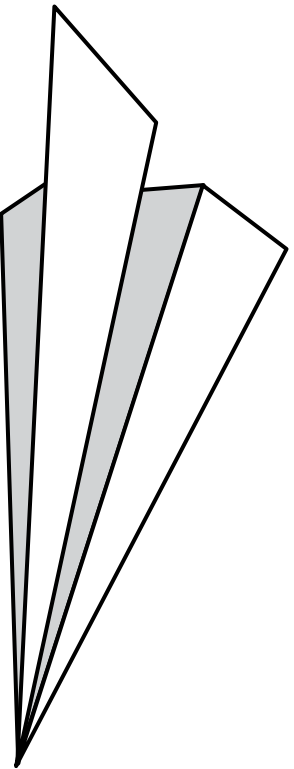
# Forces challenges



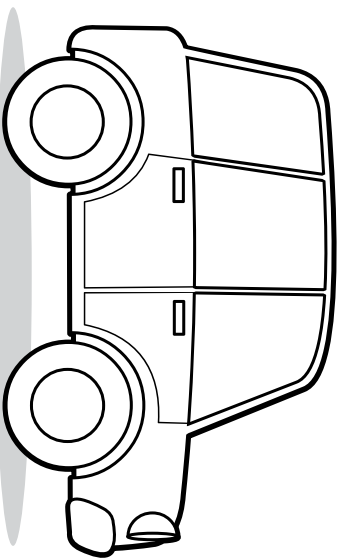
Slide on the floor with and without socks on. Which is easier? Why?



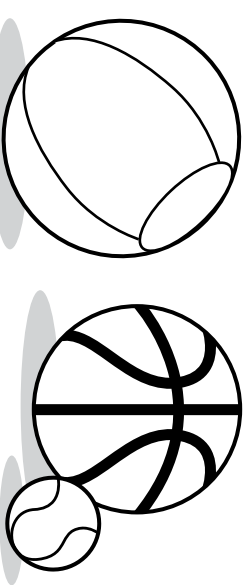
Make differently-shaped paper aeroplanes. Which one flew the furthest? Why?



Pull a toy car across different floor surfaces. What do you notice?



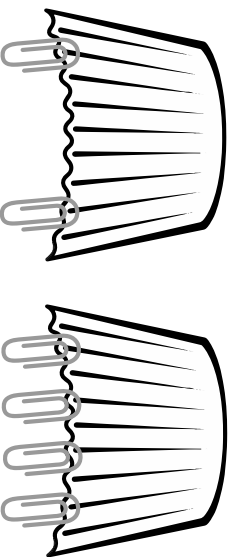
Throw differently-sized balls up in the air at the same time. Which ball lands first? Is it what you expected?



# Forces challenges



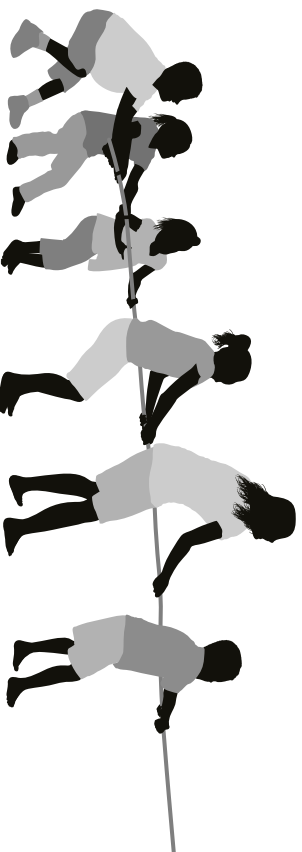
Use cupcake cases to make simple parachutes. Add different amounts of paperclips and drop the parachutes. What do you notice?



On a smooth surface, jump as far as you can with your shoes on and then in your socks. What happens?



Have a game of tug-of-war with one team in socks and one team barefoot. What happens? Why?



Drop a balloon and a water balloon of the same size from the same height. What happens?

