

The Power of Per

Can studying rate lead to a better strategy?

When Michelle and Jordan have the same free time, they enjoy competing in a friendly game of wastebasket-ball. The way they usually play is by crumpling up lots of paper from the recycling bin and shooting as many times as they can in one minute. Whoever gets more “baskets” wins.

But Michelle was thinking about what her coach told her the other day. On her real basketball team, she’s trying to balance the **frequency** and **accuracy** of her shooting.

She asked Jordan to design an experiment with her using the same materials they use when they play their game.

Michelle wants to explore whether she would have a greater success **rate** making baskets if she attempts as many shots as possible or if she prepares more carefully for each shot.



If you were Jordan, how would you recommend Michelle set up her experiment?

Check with your teacher to see if you have time to try your experiment.