SCATTERPLOTS
INVESTIGATION
HORIZONTAL JUMP VERSUS VERTICAL JUMP

In sport, the ability to spring far and high is an advantage. In this activity, we examine the relationship, if any, between distances jumped vertically and horizontally.

For each class member, measure how far each person can jump from a standing position horizontally and then vertically.

Complete the table and then create a scatterplot with a line of best fit using the Two Means Method. Then, work out the equation in the form of y=ax+b of the line.

Student	Horizontal Jump Distance (cm)	Vertical Jump Distance (cm)	Student	Horizontal Jump Distance (cm)	Vertical Jump Distance (cm)