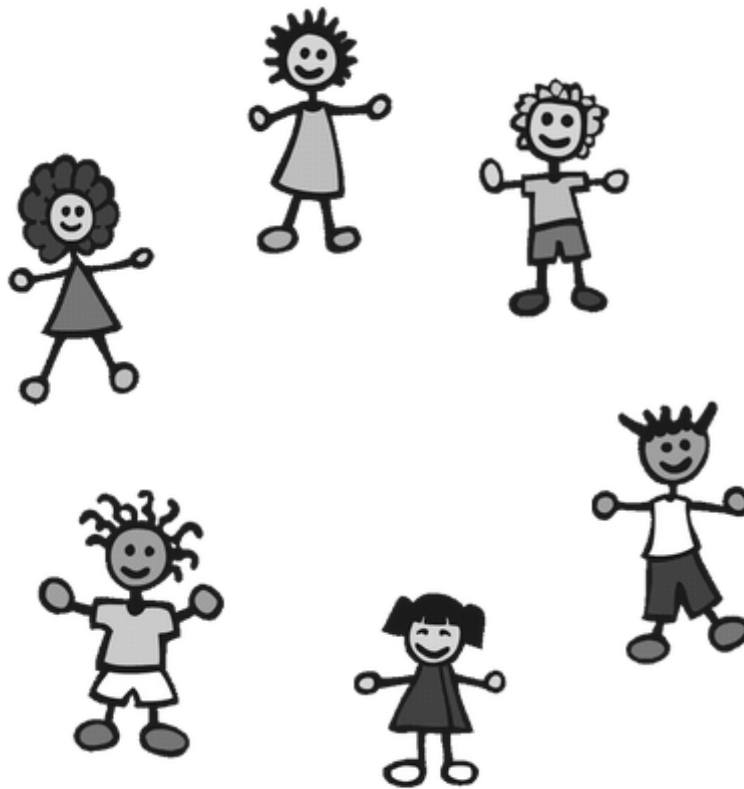# How do you do?

Six students are on the playground. They are new to school and they want to make sure everyone meets each other before playing a game. How many handshakes will it take for everyone to shake hands once with everyone else?

Can you act it out? Or draw a diagram?

What discoveries do you make?

What if there were 5 students or 7 students? How would your answer change?