

## Two born every day

What is the probability that two of the people in your classroom right now have their birthdays on the same day of the year?

Discuss with a partner how you might get a solution to this. Write down your arguments.

---

---

---

---

How big does a group have to be *absolutely sure* that two people have the same birthday?

---

What is the probability that no two people in a group of 6 have a common birthday?

---

So what is the probability that two people in a group of 6 have a birthday in common?

---

Why does it turn out that in a group of 23 people there is more than a 50-50 chance of two people having the same birthday?

---

---

---

---