ZiloAcademy

✨ Grade 9 Maths — Compound Events ✨

Name: Demo **Date:** 26/11/2026

1. A bag has 9 red, 3 blue, 4 green marbles. A marble is picked, replaced, then a second is picked. What is P(blue then blue), as a fraction in simplest form?

2. A bag has 3 red, 11 blue, 7 green marbles. Two marbles are picked WITHOUT replacement. What is P(green then green), as a fraction in simplest form?

3. A bag has 10 red, 11 blue, 8 green marbles. A marble is picked, replaced, then a second is picked. What is P(blue then blue), as a fraction in simplest form?

4. A bag has 2 red, 9 blue, 8 green marbles. Two marbles are picked WITHOUT replacement. What is P(blue then blue), as a fraction in simplest form?

5. A bag has 8 red, 4 blue, 12 green marbles. Two marbles are picked WITHOUT replacement. What is P(blue then red), as a fraction in simplest form?

6. A bag has 5 red, 11 blue, 13 green marbles. A marble is picked, replaced, then a second is picked. What is P(blue then blue), as a fraction in simplest form?

7. A bag has 13 red, 3 blue, 6 green marbles. A marble is picked, replaced, then a second is picked. What is P(blue then green), as a fraction in simplest form?

8. A bag has 9 red, 3 blue, 8 green marbles. Two marbles are picked WITHOUT replacement. What is P(green then green), as a fraction in simplest form?

9. A bag has 12 red, 5 blue, 12 green marbles. A marble is picked, replaced, then a second is picked. What is P(red then blue), as a fraction in simplest form?

10. A bag has 13 red, 5 blue, 5 green marbles. Two marbles are picked WITHOUT replacement. What is P(red then green), as a fraction in simplest form?