ZiloAcademy

✨ Grade 9 Maths — Two-Way Tables ✨

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

1. A two-way table of 87 students: Owns a cat: Dog=28, No dog=19 (row total 47). No cat: Dog=18, No dog=22 (row total 40). What is P(owns a dog), as a fraction in simplest form?

2. A two-way table of 93 students: Owns a cat: Dog=27, No dog=10 (row total 37). No cat: Dog=26, No dog=30 (row total 56). What is the grand total?

3. A two-way table of 64 students: Owns a cat: Dog=14, No dog=10 (row total 24). No cat: Dog=30, No dog=10 (row total 40). Column totals: Dog=44, No dog=20. What is P(owns a cat | owns a dog), as a fraction in simplest form?

4. A two-way table of 76 students: Owns a cat: Dog=30, No dog=15 (row total 45). No cat: Dog=21, No dog=10 (row total 31). Column totals: Dog=51, No dog=25. What is P(owns a cat | owns a dog), as a fraction in simplest form?

5. A two-way table of 67 students: Owns a cat: Dog=13, No dog=10 (row total 23). No cat: Dog=15, No dog=29 (row total 44). Column totals: Dog=28, No dog=39. What is P(owns a cat | owns a dog), as a fraction in simplest form?

6. A two-way table of 64 students: Owns a cat: Dog=27, No dog=13 (row total 40). No cat: Dog=10, No dog=14 (row total 24). What is the grand total?

7. A two-way table of 67 students: Owns a cat: Dog=26, No dog=12 (row total 38). No cat: Dog=18, No dog=11 (row total 29). Column totals: Dog=44, No dog=23. What is P(owns a cat | owns a dog), as a fraction in simplest form?

8. A two-way table of 78 students: Owns a cat: Dog=11, No dog=23 (row total 34). No cat: Dog=24, No dog=20 (row total 44). What is P(owns a dog), as a fraction in simplest form?

9. A two-way table of 83 students: Owns a cat: Dog=23, No dog=26 (row total 49). No cat: Dog=14, No dog=20 (row total 34). What is the grand total?

10. A two-way table of 68 students: Owns a cat: Dog=10, No dog=12 (row total 22). No cat: Dog=18, No dog=28 (row total 46). What is P(owns a dog), as a fraction in simplest form?