

Excellence

1. How many students are there altogether?

	Boys	Girls	Total
Apples	7	8	15
Bananas	5	10	15
Total	12	18	30

2. Use the same apples/banana table. Write the probability a random student likes apples.

3. Use the same apples/banana table. Write the probability a random student is a girl who likes bananas.

4. The football row total is 15. How many students are not in the football row?

	Boys	Girls	Total
Football	8	7	15
Netball	9	12	21
Total	17	19	36

5. One column total is 20. What is the other column total?

	Boys	Girls	Total
Football	8	7	15
Netball	12	9	21
Total	20	16	36

6. Write the probability a random student has a pet.

	Boys	Girls	Total
Has pets	11	9	20
No pets	5	7	12
Total	16	16	32

7. Using the same pets table, write the probability a random student is a girl without a pet.

8. Using the same pets table, which is more likely: having a pet or not having a pet?

9. A student says the total of all row totals should match the total of all column totals. Are they correct? Explain.

	Boys	Girls	Total
Has pets	11	9	20
No pets	5	7	12
Total	16	16	32

- 10.** A student says the denominator in a table probability should always be a row total. Are they correct? Explain.

	Bus	Walk	Total
Year 9	14	9	23
Year 10	6	6	12
Total	20	15	35