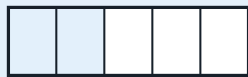


BOYS AND GIRLS IN THE PHOTO

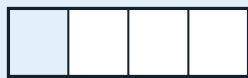
- 1 Count the two groups: there are **12** boys and **18** girls.
- 2 Write the ratio boys to girls as **12:18**.
- 3 Both numbers divide by 6, so simplify to **2:3**.
- 4 Check the total parts: $2 + 3 = 5$, so boys are 2 out of every 5.

WARM-UP

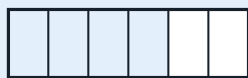
Shade each fraction strip to show the two parts of the ratio side by side.



2 oil :
3 vinegar (2 shaded oil, 3 unshaded)



1 cordial : 3 water

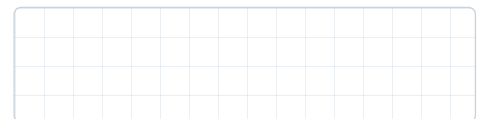


4 boys : 2 girls — ratio ____ : ____

1. Shade 5 parts then 6 parts on the first strip for the brothers-and-sisters ratio 5:6
2. Shade 3 parts then 5 parts on the second strip for the red-and-blue sweets ratio 3:5
3. Shade 3 parts then 7 parts on the third strip for Gran's biscuit mix ratio 3:7

PRACTICE

- 1 In Sam's family there are **4** children and **2** adults.
Write the ratio of children to adults. _____
- 2 At the family picnic there is **1** aunt for every **4** cousins.
Write the ratio of aunts to cousins. _____
- 3 Mia and her friends share sweets: **8** red ones and **9** blue ones. Write the ratio of red to blue. _____
- 4 Sixteen boys and twenty-eight girls from the same street line up for a family photo. Write the ratio of boys to girls in simplest form. _____



? ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- a. The ratio 2:3 is the same as 4:6
- b. In the ratio 2:3 the first group is $\frac{2}{3}$ of the total
- c. A ratio can be written by counting one group then the other with a colon between
- d. The order of numbers in a ratio can be swapped without changing the meaning

IRISH FACT More sheep than you'd think

Ireland has about **3.9 million sheep** and around **5.15 million people** — a ratio of roughly **3 sheep for every 4 people**. In counties like Wicklow and Mayo, sheep outnumber people.

CSO Agricultural Census

