

**CRACK
THE CODE**

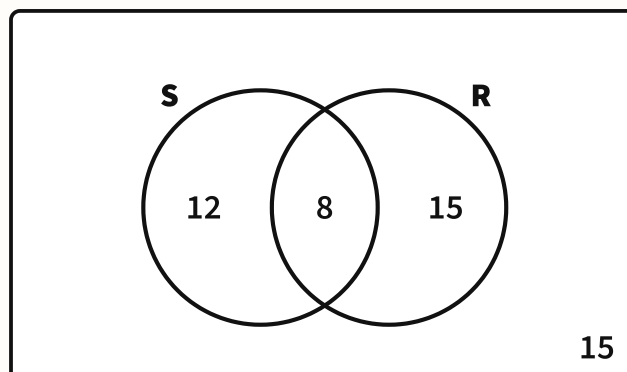
Use the table and the Venn diagram for tiles 1 to 10. Each person is picked at random from the group the tile tells you about. Give each answer as a fraction in its simplest form. Look your answer up in the **Code Box** and write the letter it unlocks in the white box. Collect all thirteen letters in the strip, then unscramble them to find the answer.

**13
CLUES**

How 100 students travel to school

	Walk	Bus	Car	Total
Boys	15	21	9	45
Girls	20	24	11	55
Total	35	45	20	100

50 people: S = swims, R = runs

**1**

Pick a boy.
P(he walks)

U

2

Pick a student who walks.
P(they are a boy)

M

3

Pick a girl.
P(she comes by car)

N

4

Pick a student who takes the bus.
P(they are a girl)

G

5

Pick a boy.
P(he takes the bus)

O

6

Pick a student who comes by car.
P(they are a girl)

R

7

Pick someone who swims.
P(they also run)

M

8

Pick someone who runs.
P(they also swim)

N

9

Pick someone who does not run.
P(they swim)

E

10

Pick someone who runs.
P(they do not swim)

I

11

5 red and 7 blue beads. Two are taken without replacement. The first is red.
P(the second is red)

L

12

10 chocolates, 3 dark. Ali eats a dark one.
P(the next one picked is dark)

E

13

8 socks, 5 black. Two are taken without replacement.
P(both are black)

E

YOUR LETTERS

U M N G O R M N E I L E E

UNSCRAMBLE Clue: a pudding with peaks (5, 8)

LEMON MERINGUE

CODE BOX

$\frac{1}{3} = U$

$\frac{1}{5} = N$

$\frac{2}{5} = M$

$\frac{3}{7} = M$

$\frac{2}{9} = E$

$\frac{4}{9} = E$

$\frac{3}{10} = K$

$\frac{4}{11} = L$

$\frac{5}{12} = S$

$\frac{5}{14} = E$

$\frac{7}{15} = O$

$\frac{8}{15} = G$

$\frac{3}{20} = A$

$\frac{11}{20} = R$

$\frac{8}{23} = N$

$\frac{15}{23} = I$

$\frac{4}{25} = T$

$\frac{6}{25} = P$

$\frac{11}{100} = D$

$\frac{21}{100} = C$

