

Solution for Problem 38 Maisie the Mouse



Maisie had 46 breadcrumbs.

The problem can be solved by experiment.

Alternatively, list all the multiples of 4. Add 2 to each number in the list.

Now list all the multiples of 5. Add 1 to each number in the list.

Now look for a number lying between 30 and 50 that is common to both lists.

To adapt the problem, group the breadcrumbs in 5s and 6s, or 7s and 9s.