

June Stillness Monthly Brain Teasers



Answers

Y3/Y4 –

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.

Y5/Y6 –

Zids and Zods

There are 2 Zids with 4 spots and 4 Zods with 9 spots.

If Zids have 5 spots and Zods have 7 spots, the possible ways of making 140 are:

28 Zids;

21 Zids and 5 Zods;

14 Zids and 10 Zods;

7 Zids and 15 Zods;

20 Zods.