- 1 In a box there are some buttons.
  - 45 are large and the rest are small.

Some are yellow and the rest are green.

The number of small is  $\frac{5}{3}$  of the number of large.

The number of green is 300% of the number of yellow.

There are 12 small yellow buttons.

How many large green buttons are there?

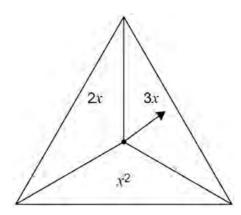
You may use the two-way table to help you.

[4 marks]

	Large	Small	
Yellow	18 (1)	12	30 (1)
Green	27 (1)	63	90
	45	75 (1	

Small: 
$$\frac{5}{3} \times 45 = 75$$

- 2 In a game,
  - an ordinary fair six-sided dice is rolled
  - the fair spinner shown is spun.



The score is the dice number **substituted** into the spinner expression.

**2** (a) Complete the table to show all of the possible scores.

[2 marks]

	1	2	3	4	5	6	
<b>2</b> x	2	4	6	8	10	12	
<b>3</b> x	3	6	q	12	15	18	(
$x^2$	1	4	9	16	25	36	

(1)