

**23** A dice has eight faces numbered 1, 2, 3, 4, 5, 6, 7 and 8

The table shows information about the probability that, when the dice is rolled once, it will land on each of the possible numbers.

Number	1	2	3	4	5	6	7	8
Probability	$\frac{1}{2}y$	0.1	$2x - 4$	0.05	$3y - 1$	$x - 2$	0.12	0.03

When the dice is rolled once, the probability that the dice will land on the number 5 is 0.2

The dice is rolled 250 times.

Calculate an estimate for the number of times the dice will land on an odd number.

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(Total for Question 23 is 6 marks)

