QUESTION **1**   Jeanne tossed a coin many times and the results were tabulated.

	Heads	Tails
Frequency	43	57

a   How many times did Jeanne toss the coin? _____

b   What is the relative frequency of tossing heads? _____

c   What is the probability of tossing heads? _____

d   What is the relative frequency of tossing tails? _____

e   What is the probability of tossing tails? _____

f   What is the sum of the relative frequencies? _____

g   How many tails do you expect to get in 200 tosses of a coin? _____

QUESTION **2**   Michelle rolled a die many times and recorded the results.

a   Complete the table showing the relative frequencies as fractions in simplest form.

Number	Frequency	Relative frequency
1	10	
2	16	
3	20	
4	12	
5	9	
6	13	

b   From Michelle's experiment, find the probability of rolling the following.

i   4 _____

ii   an even number _____

iii   2 or 3 _____

iv   4, 5 or 6 _____

v   5 (as a percentage) _____

vi   an odd number (as a percentage) _____

vii   6 (as a decimal) _____

viii   3 (as a decimal) _____

ix   2 (as a fraction) _____

x   1 (as a fraction) _____

Page 5   **1 a** 100 **b** 0·43 **c** $\frac{43}{100}$ **d** 0·57 **e** $\frac{57}{100}$ **f** 1 **g** 100 tails **2 a** $\frac{1}{8}, \frac{1}{5}, \frac{1}{4}, \frac{3}{20}, \frac{9}{80}, \frac{13}{80}$ **b i** $\frac{3}{20}$ **ii** $\frac{41}{80}$ **iii** $\frac{9}{20}$ **iv** $\frac{17}{40}$ **v** $11\frac{1}{4}\%$ **vi** $48\frac{3}{4}\%$ **vii** 0·1625 **viii** 0·25 **ix** $\frac{1}{5}$ **x** $\frac{1}{8}$