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| **Statistics and Probability Revision** | | | | **4** |
| **(a)** | **(b)** | **(c)** | | |
| The table shows the probability of a child having different coloured eyes.   |  |  |  |  | | --- | --- | --- | --- | | Blue | Brown | Green | Grey | | 0.15 | 0.37 |  |  |   The probability of having green eyes is three times the probability of having grey eyes. Complete the table. | Seher has a biased six-sided dice. When rolled, the probability of the dice landing on a four is . Seher is going to roll the dice times. Work out an estimate of the number of times it will land on a four. | The Venn diagram shows the numbers in each of the sets and and the universal set. | | |
|  | (i) List the members of  (ii) List the members of  (iii) List the members of | |
| **(d)** | **(e)** | **(f)** | | |
| Six numbers  are written in order of size. The numbers have a median of and a mean of . Find the values of and . | A bag contains red, white and black counters. There are red counters, white counters and 6 black counters. When a counter is picked at random from the bag, the probability that it is a black counter is . Find the value of . | Class 7A has 20 students and class 7B has 24 students. Both classes sat a History test. The mean score in 7A was 70.2 and the mean score in 7B was 73.25. Find the mean test score across both classes, giving your answer correct to 1 decimal place. | | |