

K Education Centre

KS3 Year 9 Mathematics

Probability

Assignment Questions

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Probability

Q1: A drawer has 4 keys , 3 coins and 5 paperclips inside it. An item is picked out at random. What is probability of choosing the following.

- a) Key b) Paperclips c) Rubber band

Q2: The letters MATHEMATICS are put into pieces of card and placed in the bag. A piece of card is chosen at random. What is probability of choosing the following?

- a) The letter M
b) A vowel
c) The letter T
d) The letter P

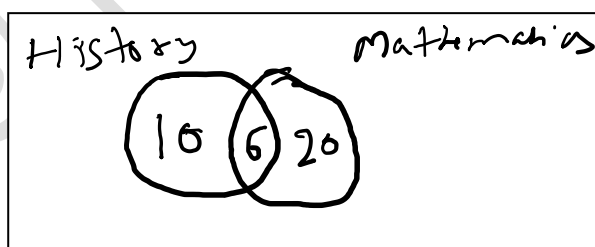
Q3: When a fair coin was thrown 100 times during an experiment. A tail came up 60 times. What is the relative frequency (Experimental probability) and theoretical probability of getting a tail ?

Q4: The probability that it rains on a a particular day in August is $\frac{3}{11}$. What is the probability that it does not run in August?

Q5: Peter has some coloured blocks, 3 red , 5 blue and 6 green in a large bag. If picks blocks at random, what is probability that block is :

- a) Red
b) Blue
c) White
d) Red , Blue or Green
e)

Q6 : School display following information about student choice.



- a) What is probability that a random chosen student from group is taking only Mathematics?
b) What is probability that a random chosen student from group is taking both subjects.
c) What is probability that a random chosen student from group is taking History?