

裘錦秋中學 (屯門)

Quiz on Probability

概率小測

- List all the possible outcomes for the ranking of 3 persons A, B and C who won in a swimming contest.
A, B 及 C 三人進行比賽，寫出他們所有排名的結果。
- Find the total number of possible outcomes of drawing two cards from a pack of 52 playing cards.
由 52 張紙牌中抽出兩張牌，求共有多少個不同的結果。
- A student is chosen at random from each of five classes A, B, C, D and E in a school. The following table shows the probability for each class that the student chosen from that class is a boy
由 A、B、C、D 及 E 班中隨意選出一學生，下表顯示從每一班中選出的學生為男生的概率

Class	A	B	C	D	E
Probability	1	0	a	0.25	0.75

- Find a.
求 a.
 - From which class is it certain that a boy will be chosen?
從哪一班選出的必定是一男生？
 - From which class is it certain that a boy will not be chosen?
從哪一班選出的必定不是男生？
 - From which class C, D or E, is it more likely that a boy will be chosen?
從 C, D 或 E 哪一班較易選出一男生？
- A coin is tossed twice. What is the probability that head turns up exactly once?
將一硬幣擲兩次，求只有一次「公」的概率是多少？
 - Two dice are thrown. Find the probability of obtaining two equal numbers.
擲兩骰子，求擲得相同點數的概率是多少？

END

數值答案

- ABC, ACB, BAC, BCA, CAB, CBA[2M]
- $52 \times 51 = 2652$ [2M]
- (b) A 班 (c) B 班 (d) E 班[3M]
- $P(\text{一次「公」}) = 2 \div 4 = 0.5$ [2M]
- $P(\text{相同點數}) = 6 \div 36$ [1M]