

## Question 10

Use this information to answer the question. A school assistant maintains a flat-file database to manage vehicle owners who use the school's carpark on a daily basis. The data dictionary contains the following metadata.

The database designer has decided that the flat-file database should be redesigned and split into two tables, a Driver table and a Car table.

Which of the following options provides the best schema for the two new tables? (P = primary key, F = foreign key)

(A)

A ✘	<b>Driver</b>	<b>Car</b>
	Driver_Surname (P)	Licence_No (P)
	Driver_FirstNames	Car_Make
	Driver_DOB	Car_Manufacture_Year
	Licence_No (F)	Car_Registration

(B)

B ✔	<b>Driver</b>	<b>Car</b>
	Driver_Surname	Car_Make
	Driver_FirstNames	Car_Manufacture_Year
	Driver_DOB	Car_Registration (P)
	Licence_No (P)	Licence_No (F)

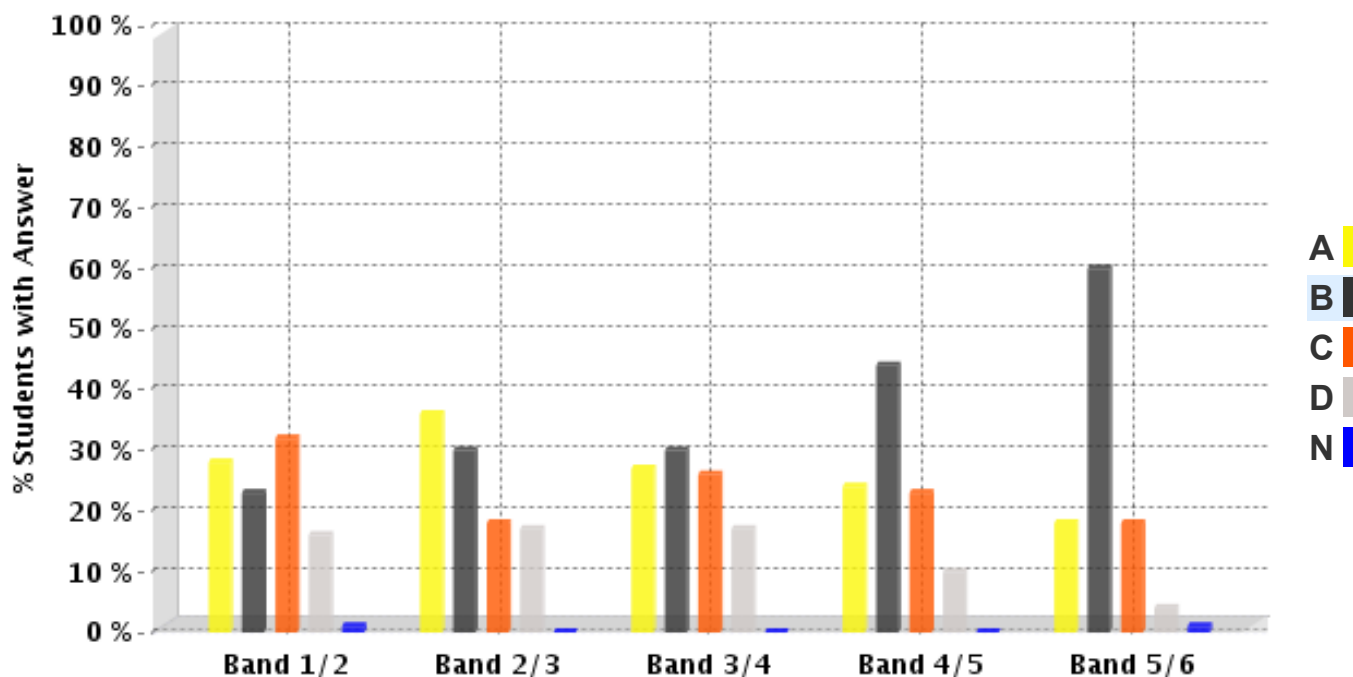
(C)

C ✘	<b>Driver</b>	<b>Car</b>
	Driver_Surname (P)	Car_Registration (P)
	Driver_FirstNames	Car_Make
	Driver_DOB	Car_Manufacture_Year
	Car_Registration (F)	Driver_Surname (F)

(D)

D ✘	<b>Driver</b>	<b>Car</b>
	Driver_Surname (P)	Car_Registration (F)
	Driver_FirstNames	Car_Make
	Driver_DOB	Car_Manufacture_Year
	Car_Registration	Licence_No

## HSC Statistics on this Question:



	Band 1/2	Band 2/3	Band 3/4	Band 4/5	Band 5/6
A	28%	36%	27%	24%	18%
B	23%	30%	30%	44%	60%
C	32%	18%	26%	23%	18%
D	16%	17%	17%	10%	4%
N	1%	0%	0%	0%	1%

The table and graph show, for the groups of students whose marks in the examination corresponded to the borderline between two bands, what percentages of each group selected the responses A, B, C and D. N is used to identify: No valid response.