

1. The table shows some information about 5 students.

Name	Age in years	Number of brothers	Number of sisters
Aysha	12	0	2
Becky	9	1	0
Carl	13	1	3
Daniel	7	0	0
Elaine	16	2	2

- (a) How many sisters does Carl have?

.....

(1)

One student has two brothers.

- (b) Write down the name of this student.

.....

(1)

One student is less than 10 years of age and has one brother.

- (c) Write down the name of this student.

.....

(1)

(Total 3 marks)

2. The table shows some information about six cars.

Make of car	Age (years)	Number of doors	Engine size (litres)
BMW	7	4	2.2
Ford	5	3	1.4
Mazda	8	4	1.8
Skoda	5	5	1.4
Rover	8	5	1.4
Volvo	9	2	2.4

One of these cars has an engine size of 2.4 litres.

- (a) Write down the make of this car.

.....

(1)

One of these cars is 8 years old and has 4 doors.

- (b) Write down the make of this car.

.....

(1)

(Total 2 marks)

3. Nick has 6 coins.
Each coin comes from a different country.
Here is some information about these coins.

Coin	Country	Shape	Weight (g)
20 pence	United Kingdom	7-sided	5
500 yen	Japan	circular	7
10 centime	Switzerland	circular	3
1 dollar	Canada	11-sided	7
2 rupee	India	11-sided	6
5 cent	United States	circular	5

(a) Which coin comes from Switzerland?

.....

(1)

(b) Which coin has the same weight as the 500 yen coin?

.....

(1)

(Total 2 marks)

4. The table shows some information about 4 cars for sale.

Type of car	Number of doors	Number of previous owners	Cost in £
Saloon	4	0	17 200
Coupé	3	2	12 500
Sports	2	3	14 950
Estate	5	2	11 300

(a) How many doors does the Coupé have?

.....

(1)

(b) Which type of car costs less than £12 000?

.....

(1)

Simon picks a car at random.

- (c) Write down the probability that Simon will pick a car with exactly two previous owners.

.....

(2)
(Total 4 marks)

- | | | | | | |
|------------|-----|------------|-------------------------------------|---|------------|
| 01. | (a) | 3 | <i>Bl cao</i> | 1 | |
| | (b) | Elaine | <i>Bl cao</i> | 1 | |
| | (c) | Becky | <i>Bl cao</i> | 1 | |
| | | | | | [3] |
| | | | | | |
| 02. | (a) | Volvo | <i>Bl cao</i> | 1 | |
| | (b) | Mazda | <i>Bl cao</i> | 1 | |
| | | | | | [2] |
| | | | | | |
| 03. | (a) | 10 centime | <i>Bl for 10 centime or centime</i> | 1 | |
| | (b) | 1 dollar | <i>Bl for 1 dollar or dollar</i> | 1 | |
| | | | | | [2] |

04.	(a)	3		1
			<i>B1 cao</i>	
	(b)	Estate		1
			<i>B1 cao</i>	
	(c)	$\frac{2}{4}$ oe		2
			<i>M1 for a fraction with a denominator of 4 or numerator of 2</i>	
			<i>A1 for $\frac{2}{4}$ oe (accept 0.5 or 50%)</i>	
			<i>SC B1 for 2 out of 4 or 1 out of 2</i>	
			<i>B0 for 1 : 2 or 2 : 4 or 4 : 2 etc</i>	

[4]

- 01.** Nearly all candidates scored all 3 available marks on this question which gave them a good start to the paper. Where candidates did make errors, it tended to be in part (c) where ‘Daniel’ was the most common error. Here candidates focussed on the words ‘less than 10 years of age’ ignoring ‘and has one brother’.
- 02.** Parts (a) and (b) were done well by the vast majority of the candidates. A common but infrequent error for part (b) was Rover. A small number of candidates wrote the engine sizes the cars rather than the make of the cars.
- 03.** Nearly all candidates were successful in writing the required coin.
Again, nearly all the incorrect responses arose from not reading the question properly. As a result some candidates demonstrated that they knew which was the correct row that needed to be identified but they then went on to give the answer from the incorrect column. Thus the most popular incorrect answers of ‘circular’ in (a) and ‘Canada’ in (b) led to no marks being scored. Over 90% of the candidates scored both available marks.
- 04.** This question was well understood with 98% of candidates obtaining the correct answer for part (a) and 97% of candidates for part (b). In part (c) candidates were rewarded with 1 mark for probabilities with a denominator of 4 or a numerator of 2 or for writing the probability as 2 out of 4 or 1 out of 2. 66% of candidates gained 2 marks and 13% gained 1 mark. Common incorrect answers included $\frac{1}{4}$, $\frac{3}{4}$, $\frac{4}{7}$ and $\frac{2}{5}$. A small number of candidates appeared to not understand the question and gave answers such as “coupe” or “saloon”.