QUESTION 1A

Of the 24.9 million people living in Australia, 5.8 million live in Victoria. Approximately what percentage of the Australian population live in Victoria?
- A. 10 to 15%
- B. 20 to 25%
- C. 30 to 35%
- D. 40 to 45%

QUESTION 1B

Of the 930 000 Western Australian households surveyed in the 2016 Census, 290 000 were households consisting of couples with children. Approximately what percentage of the Western Australian population live in these type of households?
- A. 10 to 15%
- B. 20 to 25%
- C. 30 to 35%
- D. 40 to 45%

QUESTION 1C

Of the 1 200 000 Western Australians who were of working age at the 2016 Census, 380 000 worked part time. Approximately what percentage of the Western Australian population were working part time?
- A. 10 to 15%
- B. 20 to 25%
- C. 30 to 35%
- D. 40 to 45%

QUESTION 2

If a country has a population of 5 200 000, and 1 500 000 live in rural areas, then which of the following is the closest approximation to the percentage of the population who live in rural areas?
- A. 20%
- B. 30%
- C. 35%
- D. 40%

QUESTION 3A

If a country has a population of 7 100 000, and 5 700 000 live in the major cities, then which of the following is the closest approximation to the percentage of the population who don't live in cities?
- A. 10%
- B. 20%
- C. 30%
- D. 40%

QUESTION 3B
If a country has a population of 7 200 000, and 2 100 000 live in rural areas, then which of the following is the closest approximation to the percentage of the population who don't live in rural areas?
A. 30%
B. 50%
C. 60%
D. 70%

QUESTION 4A
Of the 930 000 Western Australian households surveyed in the 2016 Census, approximately 2% of those surveyed indicated that they lived in a 'visitor only household'. Approximately how many Western Australians live in these type of households?
A. 4 650
B. 9 300
C. 18 600
D. 93 000

QUESTION 4B
Of the 2 500 000 Western Australians surveyed in the 2016 Census, approximately 3% indicated that their country of birth was New Zealand. Approximately how many Western Australians were born in New Zealand?
A. 25 000
B. 75 000
C. 250 000
D. 750 000

QUESTION 5A
43 000 people attended a football match, only 20% of which were supporters of the visiting team. How many people were supporters of the visiting team?

QUESTION 5B
36 000 people attended a football match, only 25% of which were supporters of the visiting team. How many people were supporters of the visiting team?

QUESTION 6
The following table shows the results of men's 100m final at the 2016 Olympics:

Lane	2	3	4	5	6	7	8	9
Name	Bromell	Simbine	Gatlin	Vicaut	Bolt	De Grasse	Meite	Blake
Time	10.06	9.94	9.89	10.04	9.81	9.91	9.96	9.93

Use this table to answer true or false to the following:
a. The runner in lane 9 (Blake) was faster than the runner in lane 7 (De Grasse).
b. The runner who finished 5th was in lane 3 (Simbine)?

QUESTION 7A
How were the times in the table in the previous question recorded?
A. To the nearest second
B. To the nearest tenth of a second
C. To the nearest hundredth of a second
D. To the nearest thousandth of a second

QUESTION 7B
Luke jumped 5.2 metres in his school's long jump competition, while the winner jumped 5.5m. To what accuracy have these jumps been recorded?
A. To the nearest metre
B. To the nearest tenth of a metre
C. To the nearest hundredth of a metre
D. To the nearest thousandth of a metre

QUESTION 7C
Times in a running race are recorded as 14.51 seconds, 13.72 seconds, 14.37 seconds and 14.29 seconds. To what accuracy have these times been recorded?
A. To the nearest second
B. To the nearest tenth of a second
C. To the nearest hundredth of a second
D. To the nearest thousandth of a second

QUESTION 8A
Richard buys 5 buckets of popcorn at $6.50 each, and pays with a $50 note. How much change will he receive?

QUESTION 8B
Diane buys 3 cartons of milk at $2.30 each, and pays with a $20 note. How much change will she receive?

QUESTION 8C
Sarah buys 5 ice creams for $2.30 each, and pays with a $20 note. How much change will she receive?

QUESTION 9A
Milk is bought in 3L bottles, and then 150mL is used for each child's cereal at a day care centre. How many children does one 3L bottle of milk serve?

QUESTION 9B
Milk is bought in 2L bottles, and then 100mL is used for each child's cereal at a day care centre. How many bottles would need to be purchased in order to serve 60 children?

QUESTION 10
A deli purchases salad in 2.8kg bags, which they then repackage and sell in 400g tubs. How many tubs can they fill from each bag of salad?

QUESTION 11A
A box of cereal weighs 600g. If Lisa buys a carton containing 10 boxes, how much will it weigh in kilograms (excluding the weight of the carton itself)?

QUESTION 11B
A brick weighs 2.4kg, and a pallet contains 1000 bricks. How much will two pallets weigh altogether in kilograms?

QUESTION 12

A particular university has three faculties; Health Sciences, Humanities and Business. If one quarter of students study in the Health Sciences faculty, two thirds study in the Humanities faculty, and no students study in more than one faculty, then what fraction of students study in the Business faculty?

A. $\dfrac{1}{12}$

B. $\dfrac{1}{3}$

C. $\dfrac{4}{7}$

D. $\dfrac{3}{7}$

Solutions
1A: B
1B: C
1C: C
2: B
3A: B
3B: D
4A: C
4B: B
5A: 8 600
5B: 9 000
6: False, True
7A: C
7B: B
7C: C
8A: $17.50
8B: $13.10
8C: $8.50
9A: 20
9B: 3
10: 7
11A: 6kg
11B: 4 800kg
12: A