



Free Questions for IFoA_CAA_M0 by vceexamstest

Shared by Castro on 15-04-2024

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Question 1

Question Type: MultipleChoice

A coin is tossed 7 times.

Calculate the number of possible combinations that gives 4 heads and 3 tails.

Options:

A- 35

B- 42

C- 210

D- 840

Answer:

A

Question 2

Question Type: MultipleChoice

1/5 of actuarial students like skiing.

2/5 of actuarial students like snowboarding.

1/3 of actuarial students like skiing and snowboarding.

Calculate the proportion of actuarial students that like skiing or snowboarding.

Options:

A- Option A

$$\frac{14}{15}$$

B- Option B

$$\frac{14}{15}$$

C- Option C

$$\frac{14}{15}$$

D- Option D

$$\frac{14}{15}$$

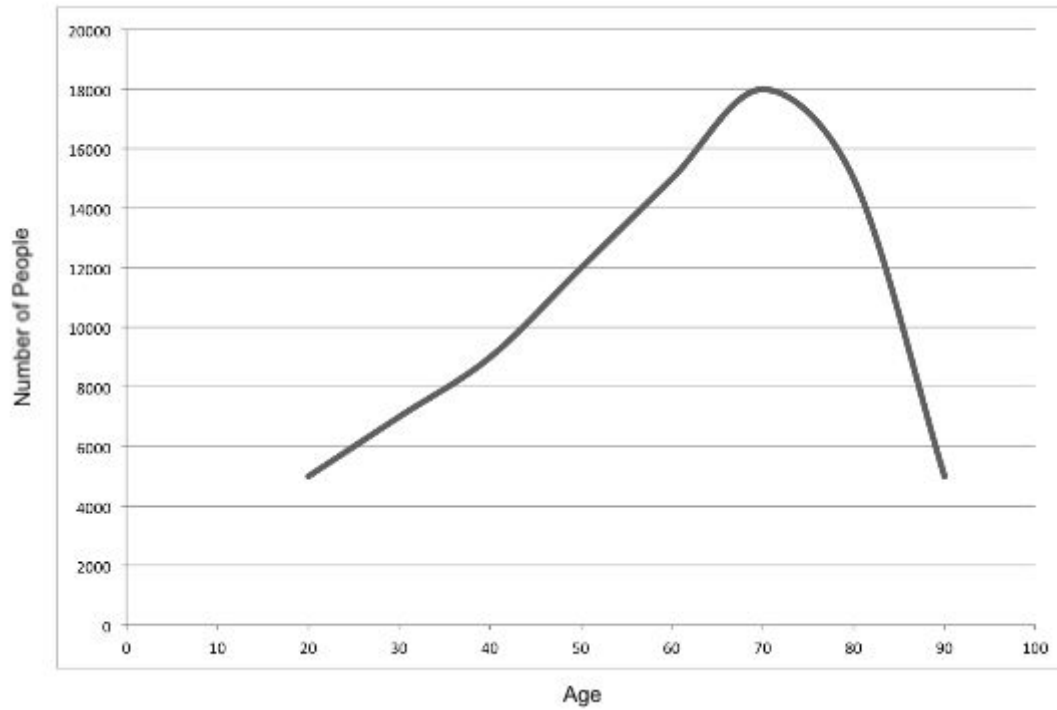
Answer:

B

Question 3

Question Type: MultipleChoice

The graph shows the frequency distribution of the age of people with a certain kind of insurance contract.



Describe the shape of the underlying data.

Options:

- A- Negatively skewed
- B- Positively skewed
- C- Symmetric

D- Symmetric about the mean

Answer:

A

Question 4

Question Type: MultipleChoice

Assuming the position of the first quartile of an appropriately ordered dataset is given by

$$\frac{n + 1}{4}$$

and the position of the third quartile of an appropriately ordered dataset is given by

$$3 \frac{n + 1}{4}$$

Calculate the range and interquartile range of the above dataset.

Options:

A- Option A

Range	11
Interquartile Range	2.75

B- Option B

Range	11
Interquartile Range	2.75

C- Option C

Range	11
Interquartile Range	2.75

D- Option D

Range	11
Interquartile Range	2.75

Answer:

B

Question 5

Question Type: MultipleChoice

Calculate the mean, median and mode of the above dataset.

3	5	10	14	7	5	12
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Options:

A- Option A

Mean	8
Median	5
Mode	14

B- Option B

Mean	8
Median	5
Mode	14

C- Option C

Mean	8
Median	5
Mode	14

D- Option D

Mean	8
Median	5
Mode	14

Answer:

D

Question 6

Question Type: MultipleChoice

Integrate:

$$\int x^n + e^{2x} dx =$$

Options:

A- Option A

$$nx^{n-1} + 2e^{2x} + C$$

B- Option B

$$nx^{n-1} + 2e^{2x} + C$$

C- Option C

$$nx^{n-1} + 2e^{2x} + C$$

D- Option D

$$nx^{n-1} + 2e^{2x} + C$$

Answer:

C

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