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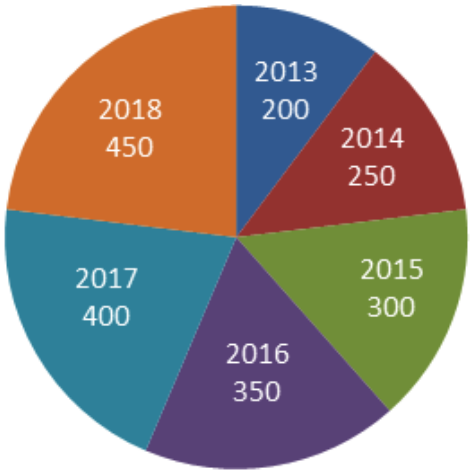
Data Interpretation Questions for LIC Asst. Pre.

Quiz 2

Directions : Study the following pie chart carefully and answer the questions given beside.

The following graph shows the number of diamonds sold by a jeweller from 2013-18.



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1. In 2013, the jeweller earned a profit of $1500 on every diamond. Find the total profit made by the jeweller in that year?

A. $ 300000 B. $ 200000 C. $ 3000000 D. $ 30000 E. $ 20000

2. Find the ratio of profit made in the first three years to the last three years.

A. 5 : 8 B. 3 : 4 C. 4 : 3 D. 8 : 5 E. Can't be determined

3. The diamonds sold in 2014 is what percentage of the total diamonds sold from 2013 to 2018.

A. 11.92% B. 12.23% C. 12.46% D. 12.82% E. 13.12%

4. How many years recorded equal or higher sales than the average sale of 6 years?

A. 1 B. 2 C. 3 D. 4 E. 5

5. On every diamond, the jeweller earned a profit of $1200 in 2014 and $1300 in 2015. Find the ratio of the total profit in 2014 to the total profit in 2015.

A. 13 : 10 B. 10 : 13 C. 12 : 13 D. 13 : 12 E. 30 : 13

Correct Answers:

1	2	3	4	5
A	E	D	C	B

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Explanations:

1. Number of diamonds sold in 2013 = 200

Profit per diamond = $1500

Total profit = $200 × 1500 = $3,00,000

Hence, option A is correct.

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2. It cannot be determined because profit per diamond in each year is not known.

Hence, option E is correct.

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3. Number of diamonds sold in 2013 = 200

Number of diamonds sold in 2014 = 250

Number of diamonds sold in 2015 = 300

Number of diamonds sold in 2016 = 350

Number of diamonds sold in 2017 = 400

Number of diamonds sold in 2018 = 450

Total diamonds sold = 1950

Percentage of diamonds sold in 2014

$$= \frac{250}{1950} \times 100 = 12.82\%$$

Hence, option D is correct.

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4. Number of diamonds sold in 2013 = 200

Number of diamonds sold in 2014 = 250

Number of diamonds sold in 2015 = 300

Number of diamonds sold in 2016 = 350

Number of diamonds sold in 2017 = 400

Number of diamonds sold in 2018 = 450

Total diamonds sold = 1950

$$\text{Average} = \frac{1950}{6} = 325$$

3 years i.e 2016, 2017 and 2018 recorded higher sales than the average sales.

Hence, option C is correct.

5. Number of diamonds sold in 2014 = 250

Profit per diamond = $1200

Total profit in 2014 = $250 × 1200 = $3,00,000

Number of diamonds sold in 2015 = 300

Profit per diamond = $1300

Total profit in 2015 = $300 × 1300 = $3,90,000

Required ratio = 3,00,000 : 3,90,000 = 10,: 13

Hence, option B is correct.

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