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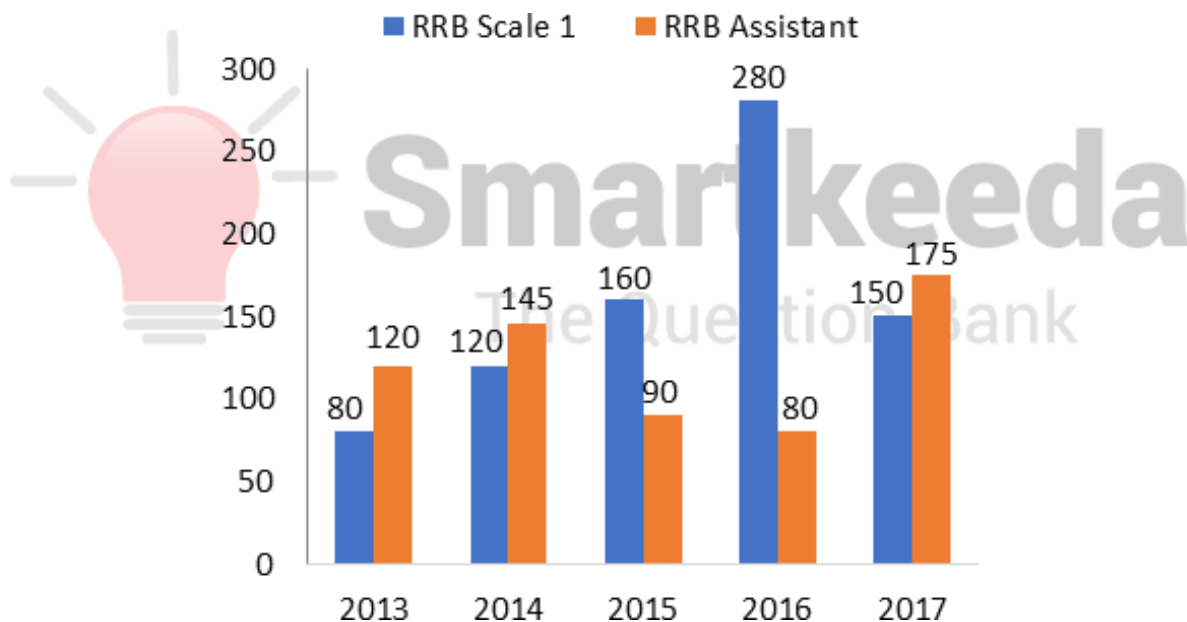
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Data interpretation exercise for IBPS PO pre, IBPS clerk, SBI PO pre and SBI clerk exams

DI BAR CHART NO. 39

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

The bar chart given below shows the number of students who cleared the two examinations, RRB Scale 1 and RRB Assistant over the years per every 1000 students who appeared in these exams.



1. If the total numbers of students appeared in RRB Scale I in 2016 was 2.5 lakhs then how many of them had cleared the RRB Scale I examination in 2016?

A. 65000

B. 75000

C. 60000

D. 70000

E. None of these

2. The total number of students who cleared both the examinations together in 2014 is approximately what percent of the total number of students who cleared both the examination together in 2017? (Number of students who applied in 2014 is 50% less than the number of students who applied in 2017)

- A. 40.77% B. 41.27% C. 38.28%
D. 39.41% E. Can't be determined

3. The number of students who cleared RRB Scale I examination in 2015 is approximately what percent more than the number of students who cleared RRB assistant examination in that year?

- A. 77.78% B. 46.67% C. 79.28%
D. 48.28% E. Can't be determined

4. What is the respective ratio of the total number of students who cleared RRB Scale I examination over the years and the total number of students who cleared RRB Assistant examination over the years? (the total number of students applied for RRB Scale I examination over the years is 75% the total number of students applied for RRB Assistant examination over the years)

- A. 79 : 61 B. 61 : 79 C. 237 : 244
D. 79 : 81 E. Can't be determined

5. The total number of students who applied in 2017 was 7.5 lakhs and the respective ratio of the number of students who applied RRB Scale I and RRB assistant 7 : 8 then find the respective ratio of the number of students who cleared RRB

Scale I examination in 2017 and the number of students who cleared RRB assistant examination 2017?

A. 4 : 5

B. 6 : 7

C. 3 : 4

D. 2 : 3

E. Can't be determined



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Correct answers:

1	2	3	4	5
D	A	E	C	C

Explanations:

1.

The total numbers of students appeared in RRB Scale I in 2016 was 2.5 lakhs

In the question, it is given that 280 out of 1000 students cleared the RRB Scale I examination

Then the total number of students out of 2.5 lakhs who cleared the examination

$$= \frac{280 \times 250000}{1000} = 70000$$

Hence, option D is correct.

2.

Number of students who applied in 2014 is 50% less than the number of students who applied in 2017

Let the total number of students who applied in 2017 = 2x thousands

Then the total number of students who applied in 2014 = 50% less than 2x thousands = 50% of 2x thousands = x thousands

The total number of students who cleared both the examination together in 2014 = (120 + 145) out of 2000

$$\text{So out of } x \text{ thousands} = 265 \times \frac{x}{2000}$$

Similarly. The total number of students who cleared both the examination together in 2017

$$= (150 + 175) \times \frac{2x}{2000} = \frac{650x}{2000}$$

$$\text{The reqd. \%} = \frac{[265x/2000] \times 100}{[650x/2000]}$$

$$= \frac{265 \times 100}{650} = 40.77\% \text{ approximately}$$

Hence, option A is correct.

3.

Since we don't know how many students applied for RRB Scale I examination in 2015 of RRB assistant examination in that year so it is not possible to find the required percentage.

Hence, option E is correct.

4.

Let the total number of students applied for RRB Assistant examination over the years = $4x$ thousands

Then the total number of students applied for RRB Scale I examination over the years = 75% of $4x$ thousands = $3x$ thousands

According to the question, the total number of students cleared RRB Scale I examination over the years = 790 out of 5000

$$\text{So out of } 3x \text{ thousands} = \frac{790 \times 3x}{5000} \dots\dots(i)$$

And, the total number of students cleared RRB assistant examination over the years = 610 out of 5000

$$\text{So out of } 4x \text{ thousands} = \frac{610 \times 4x}{5000} \dots\dots(ii)$$

$$\text{The reqd. ratio} = \frac{790 \times 3x}{5000} : \frac{610 \times 4x}{5000} = 237 : 244$$

Hence, option C is correct.

5.

The total number of students who applied in 2017 = 7.5 lakhs

the respective ratio of the number of students who applied RRB Scale I and RRB assistant 7 : 8

so, the number of students applied for RRB Scale I

$$= \frac{7 \times 7.5}{15} = 3.5 \text{ lakhs}$$

and the number of students applied for RRB assistant

$$= \frac{8 \times 7.5}{15} = 4 \text{ lakhs}$$

the number of students who cleared RRB Scale I examination in 2017 = 150 out of 1000

$$\text{so out of } 3.5 \text{ lakhs} = \frac{150 \times 3.5 \text{ lakhs}}{1000}$$

similarly, the number of students who cleared RRB Assistant examination

$$= \frac{175 \times 4 \text{ lakhs}}{1000}$$

$$\text{The reqd. ratio} = \frac{150 \times 3.5 \text{ lakhs}}{1000} : \frac{175 \times 4 \text{ lakhs}}{1000} = 3 : 4$$

Hence, option C is correct.



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