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Date Interpretation Info Chart Questions Quiz for Bank PO Exams.

DI Info Chart Quiz 2

Directions: Study the given information carefully to answer the questions.

I. A co-education school has 4000 students. The ratio of boys to girls is 3 : 2. All the students are involved in five different activities, viz Gardening, Debate, Extempore, Quiz and Dance.

II. 16% of the boys and 28% of the girls are in Extempore and Gardening respectively. One-fifth of the boys are in Dance activities. The ratio of girls to boys in Extempore is 2 : 3.

III. 25% of the total number of students are in Debate competition. Girls in Dance are 60% of the boys in the same game. 22% of the girls are in Quiz. The remaining girls are in Debate. 18% of the boys are in Gardening and the remaining in Quiz.

1. Which activity has the maximum number boys in the school?

- A. Debate B. Extempore C. Dance D. Quiz E. Gardening

2. What is the number of girls in Debate competition?

- A. 288 B. 256 C. 384 D. 448 E. None of these

3. The number of boys in Dance forms what percent of the number of girls in the same activity? (Rounded off to two digits after decimal)

- A. 160% B. $156\frac{2}{3}\%$ C. $96\frac{2}{3}\%$ D. $166\frac{2}{3}\%$ E. None of these

4. The number of girls in Quiz forms what per cent of the total number of the students in the school?

- A. 8.6% B. 9.8% C. 8.8% D. 4.4% E. None of these

5. What is the total number of boys in Extempore and Debate together?

- A. 512 B. 744 C. 1128 D. 1200 E. 792

Correct Answers:

1	2	3	4	5
A	B	D	C	C

Explanations:**1.**

$$\text{Total number of boys} = 4000 \times \frac{3}{5} = 2400$$

$$\text{Total number of girls} = 4000 \times \frac{2}{5} = 1600$$

$$\therefore \text{Total no. of students in debate competition} = 4000 \times \frac{25}{100} = 1000$$

Activities	Boys	Girls
Extempore:	$= 2400 \times \frac{16}{100} = 384$	$= 384 \times \frac{2}{3} = 256$
Dance:	$= 2400 \times \frac{1}{5} = 480$	$= 480 \times \frac{60}{100} = 288$
Gardening:	$= 2400 \times \frac{18}{100} = 432$	$= 1600 \times \frac{28}{100} = 448$
Debate:	$= 1000 - 256 = 744$	$= 1600 - 1344^* = 256$
Quiz:	$= 2400 - 2040^\# = 360$	$= 1600 \times \frac{22}{100} = 352$

$$*(448 + 256 + 352 + 288) = 1344$$

$$^\#384 + 480 + 744 + 432 = 2040$$

Hence, option C is correct.

2.

$$\text{Total number of boys} = 4000 \times \frac{3}{5} = 2400$$

$$\text{Total number of girls} = 4000 \times \frac{2}{5} = 1600$$

$$\therefore \text{Total no. of students in debate competition} = 4000 \times \frac{25}{100} = 1000$$

Activities	Boys	Girls
Extempore:	$= 2400 \times \frac{16}{100} = 384$	$= 384 \times \frac{2}{3} = 256$
Dance:	$= 2400 \times \frac{1}{5} = 480$	$= 480 \times \frac{60}{100} = 288$
Gardening:	$= 2400 \times \frac{18}{100} = 432$	$= 1600 \times \frac{28}{100} = 448$
Debate:	$= 1000 - 256 = 744$	$= 1600 - 1344^* = 256$
Quiz:	$= 2400 - 2040^\# = 360$	$= 1600 \times \frac{22}{100} = 352$

$$*(448 + 256 + 352 + 288) = 1344$$

$$^\#384 + 480 + 744 + 432 = 2040$$

Hence, option B is correct.

3.

$$\text{Total number of boys} = 4000 \times \frac{3}{5} = 2400$$

$$\text{Total number of girls} = 4000 \times \frac{2}{5} = 1600$$

$$\therefore \text{Total no. of students in debate competition} = 4000 \times \frac{25}{100} = 1000$$

	Boys	Girls
Extempore:	$= 2400 \times \frac{16}{100} = 384$	$= 384 \times \frac{2}{3} = 256$
Dance:	$= 2400 \times \frac{1}{5} = 480$	$= 480 \times \frac{60}{100} = 288$
Gardening:	$= 2400 \times \frac{18}{100} = 432$	$= 1600 \times \frac{28}{100} = 448$
Debate:	$= 1000 - 256 = 744$	$= 1600 - 1344^* = 256$
Quiz:	$= 2400 - 2040^\# = 360$	$= 1600 \times \frac{22}{100} = 352$

$$*(448 + 256 + 352 + 288) = 1344$$

$$^\#384 + 480 + 744 + 432 = 2040$$

$$\text{Reqd. \%} = \frac{480}{288} \times 100 = 166\frac{2}{3}\%$$

Hence, option D is correct.

4. Total number of boys = $4000 \times \frac{3}{5} = 2400$

Total number of girls = $4000 \times \frac{2}{5} = 1600$

∴ Total no. of students in debate competition = $4000 \times \frac{25}{100} = 1000$

Activities	Boys	Girls
Extempore:	$= 2400 \times \frac{16}{100} = 384$	$= 384 \times \frac{2}{3} = 256$
Dance:	$= 2400 \times \frac{1}{5} = 480$	$= 480 \times \frac{60}{100} = 288$
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Debate:	$= 1000 - 256 = 744$	$= 1600 - 1344^* = 256$
Quiz:	$= 2400 - 2040^\# = 360$	$= 1600 \times \frac{22}{100} = 352$

* $(448 + 256 + 352 + 288) = 1344$

$384 + 480 + 744 + 432 = 2040$

Reqd. % = $\frac{352}{4000} \times 100 = 8.8\%$

Hence, option C is correct.

5. Total number of boys = $4000 \times \frac{3}{5} = 2400$

Total number of girls = $4000 \times \frac{2}{5} = 1600$

∴ Total no. of students in debate competition = $4000 \times \frac{25}{100} = 1000$

Activities	Boys	Girls
Extempore:	$= 2400 \times \frac{16}{100} = 384$	$= 384 \times \frac{2}{3} = 256$
Dance:	$= 2400 \times \frac{1}{5} = 480$	$= 480 \times \frac{60}{100} = 288$
Gardening:	$= 2400 \times \frac{18}{100} = 432$	$= 1600 \times \frac{28}{100} = 448$
Debate:	$= 1000 - 256 = 744$	$= 1600 - 1344^* = 256$
Quiz:	$= 2400 - 2040^\# = 360$	$= 1600 \times \frac{22}{100} = 352$

* $(448 + 256 + 352 + 288) = 1344$

$384 + 480 + 744 + 432 = 2040$

Total no. of boys in extempore and debate = $384 + 744 = 1128$

Hence, option C is correct.



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