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# Date Interpretation Pie Chart Questions for Bank PO Pre Exams.

## DI Pie Chart Quiz 8

Directions: Study the following graph carefully & answer the questions given below it.

The distribution of total number of pages for different magazines which are in circulation is given in Chart I. the total number of pages is 1157. The percentage distribution of articles on different topics submitted in any of these magazines is given in Chart II,

Chart I

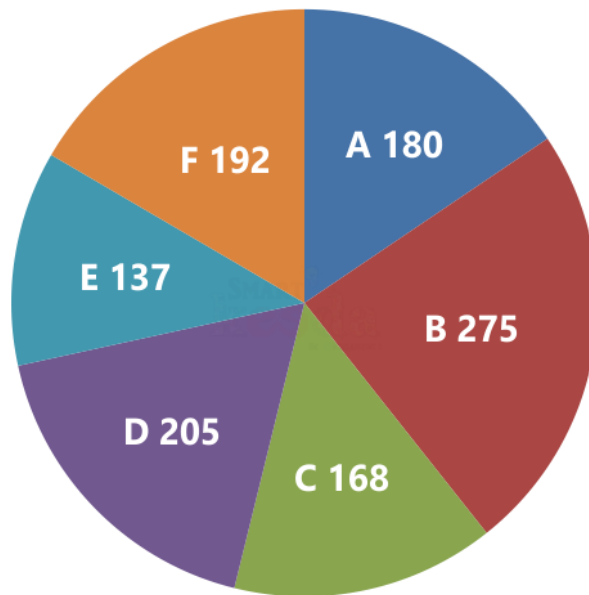
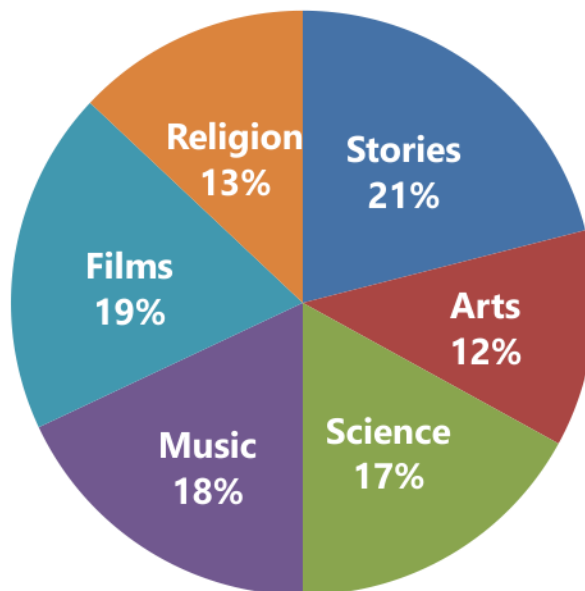


Chart II



**1. How many pages more/less are occupied by Stories in 'A' than in 'D'?**

- A. 5.25 less      B. 5.25 more      C. 37.8 less      D. 43.05 more

**2. If in magazine F, six articles are published in Science then approximately how many articles are published on Religion?**

- A. 7      B. 5      C. 3      D. 6

**3. The number of articles on Arts in C is six. The number of articles on Arts in C and B are in the same proportion as the total number of their pages. The number of articles on Arts in B is about**

- A. 4      B. 6      C. 10      D. 15

**4. In certain issue of E, eight stories were published and the ratio of total number of articles submitted in E and C is 19 : 20. How many articles were submitted in C taking number of pages used in stories as an average for other articles?**

- A. 35      B. 38      C. 54      D. 40

**5. By approximately what percent of number of pages devoted for Arts is more in B than in A? The percentages given in Chart II may be taken as percentages of the pages occupied by the respective topics.**

- A. 34.5      B. 52.7      C. 25.7      D. 21.6

**Correct Answers:**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
A	B	C	D	B

### Explanations:

1. Pages occupied by stories in A = 21% of 180

$$= \frac{21 \times 180}{100} = 37.8$$

Pages occupied by stories in D = 21% of 205

$$= \frac{21 \times 205}{100} = 43.05$$

Difference in page occupied =  $43.05 - 37.8 = 5.25$

So, stories in A occupied 5.25 pages less than stories in D.

Hence, option A is correct.

2. Pages occupied by Science in F = 17% of 192

$$= \frac{17 \times 192}{100} = 32.64$$

$$\therefore \text{Page per article} = \frac{32.64}{6} = 5.44$$

Pages occupied by religion in F = 13% of 192

$$= \frac{13 \times 192}{100} = 24.96$$

Required number of article of religion

$$= \frac{24.96}{5.44} \approx 5$$

Hence, option B is correct.

3. Pages occupied by Art in C = 12% of 168

$$= \frac{12 \times 168}{100} = 20.16$$

Pages occupied by Art in B = 12% of 275

$$= \frac{12 \times 275}{100} = 33$$

Ratio of articles = Ratio of pages occupied

$$\therefore \frac{6}{x} = \frac{20.16}{33}$$

( $\because$  x = number of articles of Art in C)

$$x = \frac{6 \times 33}{20.16} \approx 10$$

$\therefore$  Number of article of Art in C = 10.

Hence, option C is correct.

4. Number of pages occupied by stories in E = 21% of 137

$$= \frac{21 \times 137}{100} = 28.77$$

Page per article of stories in E

$$= \frac{28.77}{8} = 3.596$$

Number of Articles in E

$$= \frac{\text{Total Pages}}{\text{Pages per Articles}} = \frac{137}{3.596} \approx 38$$

By the rule of ratio & proportion, we get

$$\therefore 19 : 20 :: 38 : x$$

$$x = \frac{20 \times 38}{19} = 40.$$

Hence, option D is correct.

5. Page devoted to Arts in B = 12% of 275

$$= \frac{12 \times 275}{100} = 33$$

Pages devoted to Art in A = 12% of 180

$$= \frac{12 \times 180}{100} = 21.6$$

$$\therefore \text{Reqd. \%} = \frac{33 - 21.6}{21.6} \times 100\% \approx 52.7\%$$

Hence, option B is correct.





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