



Data Interpretation (Pie Chart) Questions PDF with detailed solutions

Data Interpretation (Pie Chart) questions are a type of questions which are frequently asked in competitive exams. These questions carry a weightage of 2-3 questions(3-6 marks) in SSC exams and 5-10 questions(5-10 marks) in bank exams. To perform well in competitive exams, you should have a good practice of data interpretation questions.

Here are some tips for solving Data Interpretation (Pie Chart) questions: Read the Graph Carefully, Start by understanding the directions, labels, and units. Decide which questions to tackle first. Usually, start with straightforward ones. Clearly write down your calculations, so you can retrace your steps if needed. Practice Regularly to maintain speed and accuracy

So, we have attached 10 questions of Data Interpretation (Pie Chart) for you to practice with. You should aim to solve these questions in less than half a minute for each.

Practice Questions on Data Interpretation (Pie Chart)

You can also download the Data Interpretation (Pie Chart) questions and answers pdf. Just click on the **Download PDF** button. So let's start with the very first question.

Directions (1 - 5): 4 workers A, B, C, and D together work to finish a project, and the below pie chart shows the percentage of total wages received by 4 workers for that work. Study the chart carefully and answer the questions that follow. Total wages are Rs. 7500.

Q:1 A alone can complete the work in 30 days, then find the time in which B will complete the work alone.

1. 24 days
2. 36 days
3. 18 days



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4. 20 days

5. 26 days

(**Difficulty:** 3, **Estimated Time:** 20 Seconds) If your concepts are clear, you might have done it easily!

Q:2 Total wages received by A and D is what percentage of total wages received by B and C?

1. 66.67%

2. 33.33%

3. 50%

4. 62.5%

5. 67.5%

(**Difficulty:** 3, **Estimated Time:** 20 Seconds) Time, Work, Wages....

Q:3 D alone can complete the work in 20 days then, find the time in which C will complete the work alone.

1. 15 days

2. 10 days

3. 12 days

4. 18 days

5. 8 days

(**Difficulty:** 3, **Estimated Time:** 20 Seconds) A similar one

Q:4 Find the ratio of time in which A, B, C and D will finish the work individually.

1. 6 : 10 : 5 : 4

2. 10 : 12 : 6 : 5

3. 24 : 15 : 30 : 10

4. 5 : 4 : 2 : 3

5. 15 : 12 : 6 : 10

(**Difficulty:** 3, **Estimated Time:** 20 Seconds) Solve carefully....

Q:5 Find the difference between the total wages received by A and C and the total wages received by B and D.



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1. Rs. 800
2. Rs. 850
3. Rs. 1000
4. Rs. 900
5. Rs. 1100

(**Difficulty: 2, Estimated Time: 15 Seconds**) We're halfway through. Have you got all your questions correct so far?

Direction (6 - 10): The pie chart given below shows the total number of passed candidates in different subjects in a class. Study the following pie chart carefully & answer the following questions.

Total number of passed students = 12000



Q:6 If the ratio of total number of passed to total number of students in class is 2 : 5 and the percentage distribution of failed students is same as that of the passed students in the class, then find average number of failed student in chemistry & English.

1. 2200
2. 3200
3. 1500
4. 1700
5. 2700

(**Difficulty: 3, Estimated Time: 25 Seconds**) This was a bit calculative....

Q:7 Total number of passed students in English & physics together is what percent more/less than total number of passed students in chemistry & Hindi together?

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1. $57\frac{1}{11}\%$
2. $59\frac{1}{11}\%$
3. $51\frac{2}{3}\%$
4. $43\frac{2}{5}\%$
5. $47\frac{1}{9}\%$

(Difficulty: 3, Estimated Time: 20 Seconds) This was a similar one...

Q:8 If the total number of passed students are 25% of the total number of student in the class, then total number of failed student is how much more/less than total number of passed students in computer, Math & Hindi together?

1. 28,800
2. 27,400
3. 26,200
4. 29,400
5. 29,600

(Difficulty: 3, Estimated Time: 20 Seconds) Just basic concepts.....

Q:9 If total number of student who had taken exam of physics are 4000, then find ratio of number of failed students in physics to number of passed students in chemistry.

1. 11 : 6
2. 13 : 6
3. 11 : 5
4. 3 : 2
5. 2 : 1

(Difficulty: 3, Estimated Time: 20 Seconds) You might have had a good score today....

Q:10 If the number of failed students in Hindi is 25% more than number of passed students in Hindi, then number of failed students in Hindi is what percent of number of passed students in English?

1. 80%
2. 75%

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- 3. 55%
- 4. 60%
- 5. 70%

(Difficulty: 2, Estimated Time: 15 Seconds) Did you guess them all correctly?

Answer Key

Let's check out your score in this test.

1. (1)	2. (1)	3. (3)	4. (5)	5. (4)
6. (5)	7. (2)	8. (4)	9. (1)	10. (2)

Comment below your score, considering each question has 1 mark only. If you scored 8 to 10, congratulations! You are one step closer to selection. If you have scored 5 to 8 marks, then you are doing well, keep it up. If you have scored less than 5 marks then you need to work a little harder on this subject. But don't worry, we are here to help you master the subject.

Let's check the answers and solutions and try to find out what went wrong.

Answers and Solutions

Q:1 The correct answer is **option 1** i.e. **24 days**.

From the pie chart:

The ratio of wages received by A, B, C, and D = 16 : 20 : 40 : 24 = 4 : 5 : 10 : 6

We know that the ratio of wages shared will be equal to the ratio of their efficiencies

So,

The ratio of efficiencies of A and B = 4 : 5

Since efficiency and time are inversely proportional:

The ratio of time in which A and B will finish the work working alone = 5 : 4

Now, A alone can complete the work in 30 days.

So,

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Time taken by B to complete the work alone = $30 \times \frac{4}{5} = 24$ days

Q:2 The correct answer is **option 1** i.e. **66.67%**.

From the pie chart:

Total wages received by A and D = $16 + 24 = 40\%$

And,

Total wages received by B and C = $20 + 40 = 60\%$

Hence,

Required percentage = $\frac{40}{60} \times 100 = 66.67\%$

Q:3 The correct answer is **option 3** i.e. **12 days**.

From the pie chart:

The ratio of wages received by A, B, C, and D = $16 : 20 : 40 : 24 = 4 : 5 : 10 : 6$

We know that the ratio of wages shared will be equal to the ratio of their efficiencies.

So,

The ratio of efficiencies of C and D = $10 : 6$

Since efficiency and time are indirectly proportional:

The ratio of time in which C and D will finish the work working alone = $6 : 10$

Now, D alone can complete the work in 20 days

So,

Time taken by C to complete the work alone = $20 \times \frac{6}{10} = 12$ days

Q:4 The correct answer is **option 5** i.e. **15 : 12 : 6 : 10**.

From the pie chart:

The ratio of wages received by A, B, C, and D = $16 : 20 : 40 : 24 = 4 : 5 : 10 : 6$

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We know that the ratio of wages shared will be equal to the ratio of their efficiencies.

So,

The ratio of efficiencies of A, B, C, and D = 4 : 5 : 10 : 6

Since efficiency and time are indirectly proportional:

The ratio of time in which A, B, C, and D will finish the work individually

$$\Rightarrow 1/4 : 1/5 : 1/10 : 1/6$$

$$\Rightarrow 15 : 12 : 6 : 10$$

Q:5 The correct answer is **option 4** i.e. **Rs. 900**.

From the pie chart:

$$\text{Required difference} = [(16 + 40) - (20 + 24)]/100 \times 7500 = \text{Rs. 900}$$

Q:6 The correct answer is **option 5** i.e. **2700**.

$$\text{Total failed student} = 12000/2 \times 3 = 18000$$

$$\text{Required average} = 1/2 [(10 + 20)/100] \times 18000 = 2700$$

Q:7 The correct answer is **option 2** i.e. $59\frac{1}{11}\%$.

$$\text{Required percentage} = \frac{(20+15)-(10+12)}{10+12} \times 100$$

$$\Rightarrow \frac{35-22}{22} \times 100 = 59\frac{1}{11}\%$$

Q:8 The correct answer is **option 4** i.e. **29,400**.

$$25\% \text{ of total student} = 12,000$$

$$\text{Total student} = 48,000$$

$$\text{Total failed student} = 48,000 - 12,000 = 36,000$$

Total passed student in Computer, Math, and Hindi together

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$$\Rightarrow 55/100 \times 12,000 = 6,600$$

$$\text{Required difference} = 36,000 - 6,600 = 29,400$$

Q:9 The correct answer is **option 1** i.e. **11 : 6**.

$$\text{Total passed student in Physics} = 15/100 \times 12,000 = 1800$$

$$\text{Passed student in Chemistry} = 10/100 \times 12,000 = 1200$$

$$\text{Required Ratio} = (4000 - 1800)/1200 = 2200/1200 = 11 : 6$$

Q:10 The correct answer is **option 2** i.e. **75%**.

$$\text{Passed student in Hindi} = 12/100 \times 12,000 = 1440$$

$$\text{Failed student in Hindi} = 1440 \times 125/100 = 1800$$

$$\text{Passed student in English} = 12,000 \times 20/100 = 2400$$

$$\text{Required percentage} = 1800/2400 \times 100 = 75\%$$

So, this is it for today. We will meet again with another new topic. Till then, you can practice the questions again by downloading the PDF of Data Interpretation (Pie Chart).