



Data Sufficiency Questions - Download the PDF now!

Data Sufficiency questions are a typical type of questions asked in competitive exams. These questions carry a weightage of 3-5 questions (3-5 marks) in bank exams. To get a good rank in competitive exams, it is important to know how to solve Data Sufficiency questions in a speedy and easier way, as these questions test your knowledge of basics.

Here are some tips for solving Data Sufficiency questions: Carefully read and understand the problem statement, Evaluate the information provided in both statements individually for sufficiency, determine relationships between unknowns and known quantities. Be wary of distractors; the goal is to find if the data is sufficient, not to solve the problem. As familiarity with common patterns is crucial; practice a variety of examples.

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

Practice Questions on Data Sufficiency

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

Q:1 Directions: Given below is a question along with two statements, you have to tell which statement, A or B is sufficient to answer the question or if both A and B together are sufficient to answer the question. Use your knowledge of mathematics to answer the questions.

Average weight of group before addition of new boy?

Statement A: On addition of new boy weighing 40 kg, average of group increases by 1 kg.

Statement B: Number of boys before addition of new boy was 24.

1. Statement A alone is sufficient while statement B is not.
2. Statement B alone is sufficient while statement A is not.
3. Statement A and B together are needed.
4. Both statements A and B together are not sufficient even with the combined information.
5. Both statements A and B alone are sufficient to answer the question.

(**Difficulty:** 3, **Estimated Time:** 20 Seconds) It was a basic question...

Q:2 Directions: Given below is a question along with two statements, you have to tell which statement, A or B is sufficient to answer the question or if both A and B together are sufficient to answer the question. Use your knowledge of mathematics to answer the questions.

Will the sum of two natural numbers, say a and b be odd?

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A: Difference of the numbers is even.

B: Product of numbers is even.

1. Statement A alone is sufficient while statement B is not.
2. Statement B alone is sufficient while statement A is not.
3. Statement A and B together are needed.
4. Both statements A and B together are not sufficient even with the combined information.
5. Both statements A and B alone are sufficient to answer the question.

(**Difficulty: 3, Estimated Time: 20 Seconds**) A test of your concepts.....

Q:3 Directions: Given below is a question along with two statements, you have to tell which statement, A or B is sufficient to answer the question or if both A and B together are sufficient to answer the question. Use your knowledge of mathematics to answer the questions.

Find the Interest if the sum of Rs 24000 is given at compound interest.

A: It is given at 12% per annum for 2 years

B: Interest is compounded semi-annually.

1. Statement A alone is sufficient while statement B is not.
2. Statement B alone is sufficient while statement A is not.
3. Statement A and B together are needed.
4. Both statements A and B together are not sufficient even with the combined information.
5. Both statements A and B alone are sufficient to answer the question.

(**Difficulty: 3, Estimated Time: 20 Seconds**) First analyse both statements, then answer...

Q:4 Directions: Given below is a question along with two statements, you have to tell which statement, A or B is sufficient to answer the question or if both A and B together are sufficient to answer the question. Use your knowledge of mathematics to answer the questions.

Time taken by train to cross a platform of length 300 m

Statement A: It crosses a train twice its length travelling in opposite direction in 25 seconds.

Statement B: Length of train is 150 m.

1. Statement A alone is sufficient while statement B is not.

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2. Statement B alone is sufficient while statement A is not.
3. Statement A and B together are needed.
4. Both statements A and B together are not sufficient even with the combined information.
5. Both statements A and B alone are sufficient to answer the question.

(Difficulty: 3, Estimated Time: 20 Seconds) An easy one....

Q:5 Directions: Given below is a question along with two statements, you have to tell which statement, A or B is sufficient to answer the question or if both A and B together are sufficient to answer the question. Use your knowledge of mathematics to answer the questions.

Percentage of profit X received out of the total profit in a business with only two partners, X and Y

Statement A: Ratio of investments of X and Y is 3 : 4

Statement B: Ratio of time of investment of X and Y is 2 : 3

1. Statement A alone is sufficient while statement B is not.
2. Statement B alone is sufficient while statement A is not.
3. Statement A and B together are needed.
4. Both statements A and B together are not sufficient even with the combined information.
5. Both statements A and B alone are sufficient to answer the question.

(Difficulty: 3, Estimated Time: 20 Seconds) We're halfway through. Have you got all your questions correct so far?

Q:6 Directions: The following questions are accompanied by three statements (I), (II) and (III). You have to determine which statements(s) is/are sufficient/necessary to answer the questions.

What is the marked price of the suitcase?

- I. When a discount of 15% is offered, the profit earned is 10.5%.
 - II. The cost price of the suitcase is Rs. 1500.
 - III. The marked price is 30% above the cost price.
1. Only Statement I and Statement III are sufficient
 2. Either Statement I and Statement II or Statement II and Statement III are sufficient
 3. Only Statement II and Statement III are sufficient

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4. All statements together are necessary to answer the question
5. All three statements are not sufficient

(Difficulty: 3, Estimated Time: 20 Seconds) The more the statements, the more combinations possible.....

Q:7 Directions: The following questions are accompanied by three statements (I), (II) and (III). You have to determine which statements(s) is/are sufficient/necessary to answer the questions.

A, B, and C together start a business with a total investment of Rs. 15000. At the end of the year, the total profit is Rs. 3000. What is A's share in the profit?

- I. A's investment is $\frac{3}{2}$ times B's.
- II. B's investment is twice that of C.
- III. A's investment is thrice that of C.

1. I and II only
2. II and III only
3. All I, II, and III
4. Any two of the three
5. None of these

(Difficulty: 3, Estimated Time: 20 Seconds) The time is ticking. Hurry up!

Q:8 Directions: The following questions are accompanied by three statements (I), (II) and (III). You have to determine which statements(s) is/are sufficient/necessary to answer the questions.

What is the area of the rectangle?

- I: The difference between the sides is 5 cm.
- II: The measure of the diagonal is 10 cm.
- III: There are two diagonals in the rectangle.

1. Only Statement I and Statement II are sufficient
2. Either Statement I and Statement II or Statement II and Statement III are sufficient
3. Only Statement II and Statement III are sufficient
4. All statements together are necessary to answer the question

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5. All three statements are not sufficient

(Difficulty: 3, Estimated Time: 20 Seconds) Just a matter of formulas.....

Q:9 Directions: The following questions are accompanied by three statements (I), (II) and (III). You have to determine which statements(s) is/are sufficient/necessary to answer the questions.

What is R's share of profit in a joint venture?

I. Q started a business investing Rs. 80000.

II. R joined him after 3 months.

III. P joined after 4 months with a capital of Rs. 120000 and got Rs. 6000 as his share of profit.

1. Only Statement I and Statement III are sufficient
2. Either Statement I and Statement II or Statement II and Statement III are sufficient
3. Only Statement II and Statement III are sufficient
4. All statements together are necessary to answer the question
5. All three statements are not sufficient

(Difficulty: 4, Estimated Time: 25 Seconds) Try maintaining high accuracy in such questions...

Q:10 Directions: The following questions are accompanied by three statements (I), (II) and (III). You have to determine which statements(s) is/are sufficient/necessary to answer the questions.

What was the discount percentage?

I. 23.5% profit was earned by selling an almirah for Rs. 12350.

II. If there was no discount, the earned profit would have been 30%.

III. The cost price of the almirah was Rs. 10000.

1. I and II only
2. II and III only
3. I and III only
4. All I, II, and III
5. None of these

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(Difficulty: 3, Estimated Time: 20 Seconds) Did you guess them all correctly?

Answer Key

Let's check out your score in this test.

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

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 3** i.e. **Statement A and B together are needed.**

Statement A:

Let average before the addition of new boy be x

Number of persons = y

$$(x + 1) \times (y + 1) = xy + 40$$

Two variables and 1 equation, information insufficient.

Statement B:

Number of boys before = 24

New number = 25

$$25 \times (x + 1) = 24x + y$$

Still insufficient.

Combining both,



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$$(x + 1) \times (y + 1) = xy + 40$$

$$(x + 1) \times 25 = 24x + 40$$

$$25x + 25 = 24x + 40$$

$$x = 15 \text{ kg}$$

Statement A and B together are needed.

Q:2 The correct answer is **Option 1** i.e. **Statement A alone is sufficient while Statement B is not.**

Statement A:

Difference between the numbers is even.

Numbers can either be both odd or both even to get a difference even.

$$\text{Sum} = o + o \text{ or } e + e = \text{odd}$$

Hence statement A alone is sufficient.

Statement B:

Product of numbers is even.

This can happen if at least one number is even.

$$e + o = o$$

$$e + e = e$$

We can get either odd or even sum, hence Statement B is insufficient.

Q:3 The correct answer is **Option 3** i.e. **Statement A and B together are needed.**

Principal = Rs 24000

Rate = 12%

Time = 2 years

But we don't have compounding period.

So statement A alone is insufficient.



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Statement B: talks of only the compounding period.

Though statement B alone cannot alone answer the question, it gives the only information that was missing from Statement A.

Now if we combine both statements we can get the interest as,

$$\text{Rate} = 12\%/2 = 6\%(\text{by B})$$

$$\text{Hence time} = 4$$

$$\text{Compound interest} = 24000(1 + 6/100)^4 = \text{Rs. } 30300(\text{approx.})$$

Q:4 The correct answer is **option 4** i.e. **Both statements A and B together are not sufficient even with the combined information.**

Length of platform = 300 m

Statement A:

Let length of train = x m

Length of other train = 2x m

Let speed of train = a m/s

Speed of other train = b m/s

Relative speed = (a + b) m/s

$$x + 2x = 25 \times (a + b)$$

Three Variables and 1 equation, statement A is insufficient.

Statement B:

Length of train = 150 m

Length of platform = 300 m

Total distance = 150 + 300 = 450 m

But we don't know the speed to find the time.

Combining both,

$$450 = (a + b) \times 25$$



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$$(a + b) = 18 \text{ m/s}$$

But we still can't find the speed of the train to find time.

Hence, even A and B together are insufficient.

Q:5 The correct answer is **Option 3** i.e. **Statement A and B together are needed.**

Statement A:

Let their investments be 3m and 4m respectively

But the time is unknown

Statement B:

Let time be 2t and 3t respectively.

But here investment is not given,

Hence combining both,

$$\text{Ratio of profit} = \text{Ratio of investments} = (3m \times 2t)/(4m \times 3t) = 1/2$$

X will get $1/(2 + 1)$ of total profit or 33.33%

Hence both A and B are needed

Q:6 The correct answer is **option 2** i.e. **Either Statement I and Statement II or Statement II and Statement III are sufficient**

From Statements I and II:

$$\text{Cost price} = 1500$$

$$\text{Gain} = 10.5\%$$

$$\text{Selling price} = 110.5\% \text{ of cost price} = (110.5 \times 1500/100) = 1657.50$$

$$\text{Discount} = 15\%$$

$$\text{Marked price} = (100 \times 1657.5/85) = 1950$$

From Statements II and III:

$$\text{Marked price} = 130\% \text{ of cost price} = (130 \times 1500/100) = 1950$$

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Q:7 The correct answer is **option 4** i.e. **any two of the three**

Let C's contribution = x

From Statement I and II, we get $C = x, B = 2x, A = 3x$

From Statement II and III, we get $C = x, B = 2x, A = 3x$

From Statement I and III, we get $C = x, A = 3x, B = 2x$

Thus, $A : B : C = 3 : 2 : 1$

So, A's share = $3000 \times \frac{3}{6} = 1500$

Q:8 The correct answer is **option 1** i.e. **Only Statement I and Statement II are sufficient**

We know that area of the rectangle = Length \times breadth = LB

Statement I:

Let the length and breadth of the rectangle be L and B

$$L - B = 5$$

Statement II:

$$\Rightarrow (\text{Diagonal})^2 = L^2 + B^2 = 100$$

Using the formula of $(a - b)^2$ we get

$$\Rightarrow (L - B)^2 = L^2 + B^2 - 2LB$$

$$\Rightarrow 25 = 100 - 2LB$$

$$\Rightarrow 2LB = 75$$

$$\Rightarrow LB = 37.5 \text{ cm}^2$$

Statement III : It is a basic property of rectangle and does not provide any help in finding the area.

Hence, Only Statement I and Statement II are sufficient

Q:9 The correct answer is **option 5** i.e. **All three statements are not sufficient.**



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From the statements I, II, and III we get:

$$\Rightarrow P : Q : R = (120000 \times 8) : (80000 \times 12) : (x \times 9)$$

Since R's investment is not given, the above ratio cannot be found.

R's share of profit cannot be found.

Q:10 The correct answer is **option 1** i.e. **I and II only**.

Statement I: Selling price = Rs. 12350

Gain = 23.5%

Cost price = $(100/123.5 \times 12350)$ = Rs. 10000

Statement II: Marked price = 130% of cost price = $10000 \times 1.3 = 13000$

From I and II, discount = $13000 - 12350 = 650$

Discount % = $(650/13000 \times 100) = 5\%$

So, I and II are sufficient to find the answer.

Statement III: Cost price = Rs. 10000

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 Sufficiency.