**Data Sufficiency Practice Test 3**

**Question 1**

**A certain college has only three different streams- arts, science and commerce. How many students belong to commerce stream out of 540 students in the college?  
I.In proportion, the college has 5/9 th arts students and 7/18 th science students.  
II.The college has 10 parts students in arts and 14 parts students in science.**

1. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
2. If data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
3. If the data either in statement I or in statement II alone is sufficient to answer the question
4. If the data even in both statements I and II together are not sufficient to answer the question
5. If data in both statements I and II together are necessary to answer the question.

**Correct Answer: A**

**Question 2**

**Which of the two has a larger area- the rectangle or square?  
I.The width of the rectangle is equal to the side of the square.  
II.The length of the rectangle is numerically equal to the area of the square**

1. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
2. If data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
3. If the data either in statement I or in statement II alone is sufficient to answer the question
4. If the data even in both statements I and II together are not sufficient to answer the question
5. If data in both statements I and II together are necessary to answer the question.

**Correct Answer: C**

**Question 3**

**The area of a rectangle is equal to the Area of a circle. What is the length of the rectangle?  
I.The radius of the cirecle is equal to the breadth of the rectangle.  
II.The perimeter of the rectangle is 14 cm more than that of the circle.**

1. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
2. If data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
3. If the data either in statement I or in statement II alone is sufficient to answer the question
4. If the data even in both statements I and II together are not sufficient to answer the question
5. If data in both statements I and II together are necessary to answer the question.

**Correct Answer: E**

**Question 4**

**Which is the smallest number out of the three numbers, x, y and z?  
I.xz = 12, yz = 20.  
II.x, y, z are positive integers, xy = 15.**

1. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
2. If data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
3. If the data either in statement I or in statement II alone is sufficient to answer the question
4. If the data even in both statements I and II together are not sufficient to answer the question
5. If data in both statements I and II together are necessary to answer the question.

**Correct Answer: E**

**Question 5**

**What is the HCF of m and n  
I.both m an n are divisible by 10  
II.difference of m and n is 20**

1. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
2. If data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
3. If the data either in statement I or in statement II alone is sufficient to answer the question
4. If the data even in both statements I and II together are not sufficient to answer the question
5. If data in both statements I and II together are necessary to answer the question.

**Correct Answer: D**

**Question 6**

**What is the speed of a running train?  
I.Length of train is 200m  
II.The train crosses another train of length 150 m in 10 secs.**

1. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
2. If data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
3. If the data either in statement I or in statement II alone is sufficient to answer the question
4. If the data even in both statements I and II together are not sufficient to answer the question
5. If data in both statements I and II together are necessary to answer the question.

**Correct Answer: D**

**Question 7**

**Is x greater than y?  
I.x is greater than 20.  
II.y is greater than 17.**

1. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
2. If data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
3. If the data either in statement I or in statement II alone is sufficient to answer the question
4. If the data even in both statements I and II together are not sufficient to answer the question
5. If data in both statements I and II together are necessary to answer the question.

**Correct Answer: D**

**Question 8**

**What is the difference between p and q?  
I.p is 70% of Z  
II.q is 60% of Z**

1. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
2. If data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
3. If the data either in statement I or in statement II alone is sufficient to answer the question
4. If the data even in both statements I and II together are not sufficient to answer the question
5. If data in both statements I and II together are necessary to answer the question.

**Correct Answer: D**

**Question 9**

**Is b positive?  
I.a+ b is positive  
II.a-b is positive**

1. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
2. If data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
3. If the data either in statement I or in statement II alone is sufficient to answer the question
4. If the data even in both statements I and II together are not sufficient to answer the question
5. If data in both statements I and II together are necessary to answer the question.

**Correct Answer: D**

**Question 10**

**What is the sum of 3 real numbers?  
I.The product of the numbers is 630.  
II.The average of the numbers is 30.**

1. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
2. If data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
3. If the data either in statement I or in statement II alone is sufficient to answer the question
4. If the data even in both statements I and II together are not sufficient to answer the question
5. If data in both statements I and II together are necessary to answer the question.

**Correct Answer: B**

**Question 11**

**Is x=Z ? x, y, z are real numbers.  
I.x- 2z = z- 2y  
II.x- y = y- z**

1. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
2. If data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
3. If the data either in statement I or in statement II alone is sufficient to answer the question
4. If the data even in both statements I and II together are not sufficient to answer the question
5. If data in both statements I and II together are necessary to answer the question.

**Correct Answer: E**

**Question 12**

**What is the middle number of 7 consecutive whole numbers?  
I.Product of numbers is 702800.  
II.Sum of the numbers is 105.**

1. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
2. If data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
3. If the data either in statement I or in statement II alone is sufficient to answer the question
4. If the data even in both statements I and II together are not sufficient to answer the question
5. If data in both statements I and II together are necessary to answer the question.

**Correct Answer: B**

**Question 13**

**Total marks obtained by P, Q, R and S in Mathematics is 360. How many marks did P secure in Mathematics?  
I.P secured one-third marks of the total of Q, R and S.  
II.Average marks obtained by Q and R are 20 more than that secured by S.**

1. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
2. If data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
3. If the data either in statement I or in statement II alone is sufficient to answer the question
4. If the data even in both statements I and II together are not sufficient to answer the question
5. If data in both statements I and II together are necessary to answer the question.

**Correct Answer: A**

**Question 14**

**In a cricket team of eleven, the average age of the players is 28 years. What is the age of the captain?  
I.The captain is 11 years older than the youngest player  
II.Leaving aside the captain and the youngest player, the average age of three groups of three players each are 25 years, 28 years and 30 years respectively.**

1. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
2. If data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
3. If the data either in statement I or in statement II alone is sufficient to answer the question
4. If the data even in both statements I and II together are not sufficient to answer the question
5. If data in both statements I and II together are necessary to answer the question.

**Correct Answer: E**

**Question 15**

**What is the speed of the train?  
I.The train crosses a tree in 13 seconds  
II.The train crosses a platform of length 250 meters in 27 seconds**

1. If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
2. If data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
3. If the data either in statement I or in statement II alone is sufficient to answer the question
4. If the data even in both statements I and II together are not sufficient to answer the question
5. If data in both statements I and II together are necessary to answer the question.

**Correct Answer: E**