

Number Set Analogy Questions - Top 10 MCQs with Solutions

Number Set Analogy is an important topic of Logical Reasoning with a great presence in SSC exams, having a weightage of 2 - 3 questions. To master, a solid grasp of Number Set Analogy concepts and rigorous practice are essential.

In this blog, we'll comprehensively explore the foundations and logical nuances of Number Set Analogy. We've included 10 real SSC exam-level questions to give you a preview of the challenges you'll face. Practice questions are categorized into different difficulty levels, ranging from 1 to 10. 1 denotes the least difficult and 10 denotes the most difficult. We have also given an estimated expected time to solve each question, to boost your preparation and speed. Moreover, you can also download the Number Set Analogy questions and answers PDF by clicking on 'Download PDF' button above.



NUMBER SET ANALOGY Top 10 MCQs

Number Set Analogy Questions

Q:1 Select the set in which the numbers are related in the same way as the numbers of the following set.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits.)

(6, 5, 61)

(2, 6, 40)

1. (7, 6, 40)

2. (3, 6, 45)

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3. (12, 6, 40)

4. (2, 9, 48)

[**Difficulty**: 4, **Estimated Time**: 20 seconds]

Let's begin with the easier one.

Q:2 Select the set in which the numbers are related in the same way as the numbers of the following set.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits.)

(9, 5, 704)

(6, 2, 212)

1. (8, 2, 508)

2. (9, 2, 308)

3. (8, 2, 58)

4. (9, 2, 86)

[**Difficulty**: 4, **Estimated Time**: 20 seconds]

The logic is somewhat similar to the last one.

Q:3 Select the set in which the numbers are related in the same way as the numbers of the following set.

(534, 25, 5)

(874, 69, 4)

1. (982, 82, 9)

2. (982, 2, 9)

3. (9, 82, 9)

4. (2, 82, 7)

[**Difficulty**: 5, **Estimated Time**: 25 seconds]

Let's dive into some deep logic.

Q:4 Select the set in which the numbers are related in the same way as the numbers of the following set.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits.)

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(6, 5, 341)

(2, 6, 224)

1. (5, 3, 85)

2. (1, 2, 55)

3. (7, 8, 855)

4. (2, 8, 855)

[**Difficulty:** 4, **Estimated Time:** 20 seconds]

Till now, every logic is kind of similar.

Q:5 Select the set in which the numbers are related in the same way as the numbers of the following set.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits.)

(48, 5, 52)

(32, 6, 37)

1. (12, 8, 18)

2. (67, 9, 75)

3. (7, 9, 75)

4. (7, 9, 5)

[**Difficulty:** 4, **Estimated Time:** 20 seconds]

Well done. You have completed half of it.

Q:6 Select the set in which the numbers are related in the same way as the numbers of the following set.

(65, 16, 41)

(72, 14, 32)

1. (82, 24, 68)

2. (8, 24, 8)

3. (2, 2, 6)

4. (72, 24, 68)

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[**Difficulty:** 5, **Estimated Time:** 25 seconds]

Now, the trickier questions begin.

Q:7 Select the set in which the numbers are related in the same way as the numbers of the following set.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits.)

(4, 19, 6)

(7, 53, 8)

1. (8, 67, 6)

2. (8, 67, 16)

3. (3, 67, 6)

4. (8, 67, 3)

[**Difficulty:** 6, **Estimated Time:** 30 seconds]

You need to focus more now.

Q:8 Select the set in which the numbers are related in the same way as the numbers of the following set.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits.)

(35, 31, 4)

(83, 73, 10)

1. (42, 12, 30)

2. (21, 12, 30)

3. (2, 12, 30)

4. (42, 1, 0)

[**Difficulty:** 4, **Estimated Time:** 20 seconds]

It seems like you have learned to play with numbers.

Q:9 Select the set in which the numbers are related in the same way as the numbers of the following set.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits.)

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(54, 66, 11)

(72, 86, 12)

1. (42, 6, 18)

2. (52, 60, 18)

3. (42, 62, 18)

4. (2, 60, 18)

[**Difficulty:** 4, **Estimated Time:** 20 seconds]

This seems similar to the last one.

Q:10 Select the set in which the numbers are related in the same way as the numbers of the following set.

(25, 14, 41)

(22, 10, 32)

1. (62, 60, 8)

2. (6, 60, 68)

3. (62, 6, 68)

4. (62, 60, 68)

[**Difficulty:** 4, **Estimated Time:** 20 seconds]

Great work.

If you found it easy, that's fantastic! But if you face challenges, don't worry let's dive into detailed solutions and discover how to tackle even the trickiest questions. You'll soon find them easy and intriguing, adding depth to your learning experience.

Number Set Analogy Answer Key

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

We've explored various aspects of the same topic together. Let's assess your progress. If you achieved a perfect score of 10, congratulations! For those scoring below 5, there's room for more learning. If you landed in the 6-7 range, let's review the incorrect answers. Scoring 8-9 means you're doing well; a bit more attention will help you reach excellence.

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Number Set Analogy Solutions

Q:1 The correct answer is **Option 2** i.e. (3, 6, 45)

The logic used here is:

(6, 5, 61)

$$6^2 + 5^2 = 36 + 25 = 61$$

(2, 6, 40)

$$2^2 + 6^2 = 4 + 36 = 40$$

Similarly,

(3, 6, 45)

$$3^2 + 6^2 = 9 + 36 = 45$$

Hence, the correct answer is (3, 6, 45).

Q:2 The correct answer is **Option 1** i.e. (8, 2, 508)

The logic used here is:

(9, 5, 704)

$$9^3 - 5^2 = 729 - 25 = 704$$

(6, 2, 212)

$$6^3 - 2^2 = 216 - 4 = 212$$

Similarly,

(8, 2, 508)

$$8^3 - 2^2 = 512 + 4 = 508$$

Hence, the correct answer is (8, 2, 508).

Q:3 The correct answer is **Option 1** i.e. (982, 82, 9).

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The logic used here is:

(534, 25, 5)

$$(5 + 3 + 4) - (2 + 5) = 12 - 7 = 5$$

(874, 69, 4)

$$(8 + 7 + 4) - (6 + 9) = 19 - 15 = 4$$

Similarly,

(982, 82, 9)

$$(9 + 8 + 2) - (8 + 2) = 19 - 10 = 9$$

Hence, the correct answer is **(982, 82, 9)**.

Q:4 The correct answer is **Option 3** i.e. **(7, 8, 855)**

The logic used here is:

(6, 5, 341)

$$6^3 + 5^3 = 216 + 125 = 341$$

(2, 6, 224)

$$2^3 + 6^3 = 8 + 216 = 224$$

Similarly,

(7, 8, 855)

$$7^3 + 8^3 = 343 + 512 = 855$$

Hence, the correct answer is **(7, 8, 855)**.

Q:5 The correct answer is **Option 2** i.e. **(67, 9, 75)**

The logic used here is:

(48, 5, 52)

$$48 + 5 = 53 - 1 = 52$$

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(32, 6, 37)

$$32 + 6 = 38 - 1 = 37$$

Similarly,

Option 1 (12, 8, 18)

$$12 + 8 = 20 - 1 = 19 \text{ not } 18$$

Option 2 (67, 9, 75)

$$67 + 9 = 76 - 1 = 75$$

Hence, the correct answer is **(67, 9, 75)**.

Q:6 The correct answer is **Option 1** i.e. **(82, 24, 68)**

The logic used here is: Adding digits of the first and third numbers to get the middle number.

(65, 16, 41)

$$6 + 5 + 4 + 1 = 16$$

(72, 14, 32)

$$7 + 2 + 3 + 2 = 14$$

Similarly,

(82, 24, 68)

$$8 + 2 + 6 + 8 = 24$$

Hence, the correct answer is **(82, 24, 68)**.

Q:7 The correct answer is **Option 1** i.e. **(8, 67, 6)**.

The logic used here is: Adding the square of the first number and half of the third number gives the middle number.

(4, 19, 6)

$$4^2 + (6 \div 2) = 16 + 3 = 19$$

(7, 53, 8)

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$$7^2 + (8 \div 2) = 49 + 4 = 53$$

Similarly,

(8, 67, 6)

$$8^2 + (6 \div 2) = 64 + 3 = 67$$

Hence, the correct answer is **(8, 67, 6)**.

Q:8 The correct answer is **Option 1** i.e. **(42, 12, 30)**

The logic used here is:

(35, 31, 4)

$$35 - 4 = 31$$

(83, 73, 10)

$$83 - 10 = 73$$

Similarly,

(42, 30, 12)

$$42 - 12 = 30$$

Hence, the correct answer is **(42, 12, 30)**.

Q:9 The correct answer is **Option 3** i.e. **(42, 62, 18)**.

The logic used here is:

(54, 66, 11)

$$54 + 11 = 65 \text{ (odd number)} + 1 = 66$$

(72, 86, 12)

$$72 + 12 = 84 \text{ (even number)} + 2 = 86$$

Similarly,

(42, 62, 18)



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$$42 + 18 = 60 \text{ (even)} + 2 = 62$$

Hence, the correct answer is **(42, 62, 18)**.

Q:10 The correct answer is **Option 4** i.e. **(62, 60, 68)**

The logic used here is:

$$(25, 14, 41)$$

$$2 \times 5 + 4 \times 1 = 10 + 4 = 14$$

$$(22, 10, 32)$$

$$2 \times 2 + 3 \times 2 = 4 + 6 = 10$$

Similarly,

$$(62, 60, 68)$$

$$6 \times 2 + 6 \times 8 = 12 + 48 = 60$$

Hence, the correct answer is **(62, 60, 68)**.