



MATHS

BOOKS - MCGROW HILL EDUCATION

MATHS (HINGLISH)

TESTS

Example

1. How many 5s are there in the following number series which are immediately followed

by 3 but not immediately preceded by 7?

2 1 5 3 2 5 3 8 5 5 6 8 7 3 3 5 7 7 5 3 6 5 3 2 5 7 3

9

A. One

B. Two

C. Three

D. four

Answer: C



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2. How many 7s are there in the following number series which are preceded by 9 and also followed by 6?

7 8 9 7 6 5 3 4 2 8 9 7 2 4 5 9 2 9 7 6 4 7

A. two

B. three

C. four

D. five

Answer: A



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3. How many numbers from 1 to 100 are divisible by 12 but not divisible by 36?

A. Eight

B. Seven

C. Five

D. Six

Answer: D



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4. How many combinations of two-digit numbers having 8 can be made from the following numbers?

8, 5, 2, 1, 7, 6

A. 9

B. 10

C. 11

D. 12

Answer: C



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5. If each of the odd digits in the number 5 4 6 3 8 is decreased by 1 and each of the even digits is increased by 1, then which of the following will be the sum of the digits of the new numbers?

A. 25

B. 26

C. 28

D. none of these

Answer: D



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6. In the following series is written in the reverse order, which number will be the fourth to the right of the seventh number from the left?

7,3, 9, 7,0,3, 8, 4,6, 2, 1, 0, 5, 11, 13.

A. 0

B. 5

C. 9

D. 11

Answer: A



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7. In a row of students, Sohan is 9th from either end of the row. Find the number of students in a row.

A. 10

B. 18

C. 17

D. 19

Answer: C



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8. Sunita ranked 11th from the top and 27th from the bottom in a class. How many student are in the class?

A. 38

B. 28

C. 40

D. 37

Answer: D



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9. In a row of students, Sunita is 9th from the left and Sohan is 12th from the right. When they interchange their places, Sunita became

19th from the left. How many students were there in a row?

A. 27

B. 29

C. 30

D. 20

Answer: C



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10. Fifty students were there in eighth class who took the Mental Ability test. Six of the students did not qualify. Out of the remaining Rohit ranked 14th from the last. What was his rank from the top?

A. 34

B. 31

C. 37

D. 30

Answer: B



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11. In a row of students of a class facing the North, A is 16th from the left end and C is 16th from the right end. B, who is 4th to the right of A, is fifth to the left of C in the row. How many students are there in the class?

A. 39

B. 40

C. 41

D. 42

Answer: B



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12. In a row of girls, Kamiya is fifth from the left and Preeti is sixth from the right. When they exchange their positions, then Kamiya becomes thirteenth from the left. What will be Preeti's position from the right?

A. 7th

B. 11th

C. 14th

D. 18th

Answer: C



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13. Five bells in a church toll at interval of 12 seconds, 15 seconds, 20 seconds, 25 seconds and 45 seconds respectively. If all of them toll

at 5 am. What time next, they will toll together?

A. 5.10 am

B. 5.12am

C. 5.15am

D. 5.20am

Answer: C



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14. 01.08.2007 is the first Wednesday. Which is the fourth Saturday of August 2007?

A. 25.8.2007

B. 26.8.2007

C. 24.8.2007

D. 22.8.2007

Answer: A



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15. Ram remembers that his brother's birth day is after 15th but before 18th of February whereas his sister Amita remembers that her brother's birthday is after 16th but before 19th of February. On which day of February is Ram's brother birthday?

A. 16th

B. 17th

C. 18th

D. 19th

Answer: B



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Exercise Number Test

1. How many 5s are there in the following sequence which are immediately followed by 3 but not immediately preceded by 7?

8 9 5 3 2 5 3 8 5 5 6 8 7 3 3 5 7 7 5 3 6 5 3 3 5 7 3

8

A. one

B. Two

C. Three

D. Four

Answer: C



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2. How many 6s are there in the following series of numbers which are preceded by 7 but

not immediately followed by 9?

6 9 7 5 6 9 7 6 8 7 6 7 8 6 9 4 6 7 7 6 9 5 7 6 3

A. one

B. Two

C. Three

D. Four

Answer: C



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3. How many even numbers are there in the following sequence of numbers which are immediately followed by an odd number as well as immediately preceded by an even number?

8 6 7 6 8 9 3 2 7 5 3 4 2 2 3 5 5 2 2 8 1 1 9

A. one

B. Two

C. Three

D. Four

Answer: C



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4. In the following number sequence, how many such even numbers are there which are exactly divisible by its immediate preceding number but not exactly divisible by its immediate following number?

3 8 4 1 5 7 2 8 3 4 8 9 3 9 4 2 1 5 8 2

A. one

B. Two

C. Three

D. Four

Answer: B



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5. In the following series of numbers, find out how many times 1, 3 and 7 have appeared together, 7 being in the middle and 1 and 3 on either side of 7 .

2 9 7 3 1 7 3 7 7 1 3 3 1 7 3 8 5 7 1 3 7 7 1 7 3 9 0

6

A. 3

B. 4

C. 5

D. more than 5

Answer: A



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6. How many numbers from 1 to 100 are there such that these are not only exactly divisible by 4 but also has 4 as a digit?

- A. 7
- B. 10
- C. 20
- D. 21

Answer: A



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7. In the series, 6 4 1 2 2 8 7 4 2 1 5 3 8 6 2 1 7 1
4 1 3 2 8 6 How many pairs of alternate
numbers have a difference of 2?

A. one

B. Two

C. three

D. four

Answer: B



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8. In the following series, how many such odd numbers are there which are divisible by 3 or 5, then followed by odd numbers and then also followed by even numbers?

12, 19, 21, 3, 25, 18, 35, 20, 22, 21, 45, 46, 47, 48, 9, 50, 52, 54, 55, 56.

A. Nil

B. One

C. Two

D. Three

Answer: C



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9. If the first and second digits in the sequence 5 9 8 1 3 2 7 4 3 8 are interchanged, also the third and fourth digits, the fifth and sixth digits and so on, which digit would be the seventh counting to your left?

A. 1

B. 4

C. 7

D. 8

Answer: D



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10. In the following sequence or instructions, 1 stands for Run, 2 stands for Stop, 3 stands for Go, 4 stands for Sit and 5 stands for Wait. If the sequence is continued, which instruction

will come next ?

4 4 5 4 5 3 4 5 3 1 4 5 3 1 2 4 5 4 5 3 4 5 3

A. Wait

B. Sit

C. Run

D. Stop

Answer: C



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11. The position of how many digits in the number 3 2 1 4 6 5 9 8 7 will remain same when the digits are arranged in ascending order?

A. None

B. one

C. Two

D. Three

Answer: D



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12. The positions of the first and the second digits in the number 9 4 3 1 6 8 7 5 are interchanged. Similarly, the positions of the third and the fourth digits are interchanged and so on. Which of the following will be the third to the left of the seventh digit from the left end after rearrangement?

A. 1

B. 4

C. 6

D. 3

Answer: D



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13. If it is possible to form a number with the second, the fifth and the eighth digits of the number 3 1 5 4 9 7 8 6, which is the perfect square of a two-digit even number, which one of the following will be the second digit of that even number?

A. 1

B. 4

C. 6

D. No such number can be formed

Answer: B



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14. Thirty six vehicles are parked in a parking lot in a single row. After the first car, there is one scooter. After the second car, there are

two scooters. After the third car, there are three scooters and so on. Work out the number of scooters in the second half of the row.

A. 10

B. 12

C. 15

D. 17

Answer: C



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15. In a school, the following codes were used during a physical exercise. '1' means 'start walking', '2' means 'keep standing', '3' means 'start running at the same spot', '4' means 'sit down'. How many times will a student who performs the following sequence without error from the beginning to the end have to sit down?

1 2 3 4 2 3 1 4 4 3 2 2 1 2 4 3 1 4 4 1 2

A. 2

B. 3

C. 4

D. 5

Answer: C



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Exercise Ranking Test

1. In a row of students, Ravi is 21st from either end of the row. How many students are there

in a row?

A. 42

B. 41

C. 43

D. 40

Answer: B



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2. Sarita is at 27th position from the top in a class of 43 students. What is her rank from the other side?

A. 16th

B. 17th

C. 15th

D. 21th

Answer: B



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3. Raman is 7 ranks ahead of Suman in a class of 39. If Suman's rank is seventeenth from the last, what is Raman's rank from the start?

A. 14th

B. 15th

C. 16th

D. 17th

Answer: B



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4. Rohit ranks sixteenth from the top and forty ninth from the bottom in an examination. Nine students did not appear in the examination. How many students were there in a class?

A. 73

B. 74

C. 75

D. can't be found

Answer: C



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5. Anmol finds that he is twelfth from the right in a line of boys and fourth from the left, how many boys should be added to the line such that there are 35 boys in the line?

A. 19

B. 13

C. 14

D. 20

Answer: A



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6. Some girls are sitting in a row. Anita is sitting fourteenth from the left and Rekha is seventh from the right. If there are four girls between Anita and Rekha, how many girls are there in the row?

A. 25

B. 23

C. 21

D. 19

Answer: A



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7. Mohan and Ramesh are ranked seventh and eleventh respectively from the top in a class of 41 students. What will be their respective ranks from the bottom in the class?

A. 30th and 34th

B. 34th and 30th

C. 35th and 31st

D. 36th and 32nd

Answer: C



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8. In a row of students, Deepak is seventh from the left and Madhu is twelfth from the right. If they interchange their positions, Deepak

becomes twenty-second from the left. How many students are there in the row?

A. 19

B. 31

C. 33

D. can't be found

Answer: C



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9. In a row of girls, Kashish is fifth from the left and Mona is sixth from the right. When they interchange their places among themselves, Kashish becomes thirteenth from the left. Then what will be Mona's position from the right?

A. 4th

B. 8th

C. 14th

D. 15th

Answer: C



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10. In a class of 60, the number of girls are twice that of boys. Kamal ranked seventeenth from the top. If there are nine girls ahead of Kamal, how many boys are after him in rank?

A. 3

B. 7

C. 12

D. 23

Answer: C



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Exercise Time Sequence Test

1. If the seventh day of the month is three days earlier than Friday, what day will it be on the nineteenth day of the month?

A. Sunday

B. Monday

C. Wednesday

D. Friday

Answer: A



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2. If the day before yesterday was Thursday, when will be Sunday?

A. Today

B. Two days after today

C. Tomorrow

D. Day after tomorrow

Answer: C



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3. Suraj went to movies nine days ago. He goes to the movies only on Thursday. What day of the week is today?

A. Thursday

B. Saturday

C. Sunday

D. Tuesday

Answer: B



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4. If the day before yesterday was Saturday, what will be the day after tomorrow?

A. Friday

B. Saturday

C. wednesday

D. Tuesday

Answer: C



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5. If Thursday was the day after the day before yesterday five days ago, what is the least

number of days ago when Sunday was three days before the day after tomorrow?

A. Two

B. Three

C. Four

D. Five

Answer: A



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6. Satish remembers that his brother's birthday is after 15th but before 18th of February whereas his sister Kajal remembers that her brother's birthday is after 16th but before 19th of February. On which day in February is Satish's brother's birthday?

A. 16th

B. 17th

C. 18th

D. 19th

Answer: B



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7. A bus for Delhi leaves every 30 minutes from a bus stand. An enquiry clerk told a passenger that the bus had already left 10 minutes ago and the next bus will leave at 9:35 am. At what time did the enquiry clerk give this information to the passenger?

A. 9.10 am

B. 9.15 am

C. 8.55 am

D. 8.08 am

Answer: B



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8. Standing on the platform, Amit told Sunita that Aligarh was more than 10 km but less than 15 km from there. Sunita knew that it was more than 12 km but less than 14 km from

there. If both of them were correct, which of the following could be the distance of Aligarh from the platform?

A. 11 km

B. 12 km

C. 13 km

D. 14 km

Answer: C



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9. A monkey climbs five metres at the beginning of each minute and then slips back two metres in the next minute before he again starts climbing. If he starts his ascent at 8:00 am, at what time will he first touch a flag 17 metres from the ground?

A. 8:10 am

B. 8:06 am

C. 8:09 am

D. 8:15 am

Answer: C



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