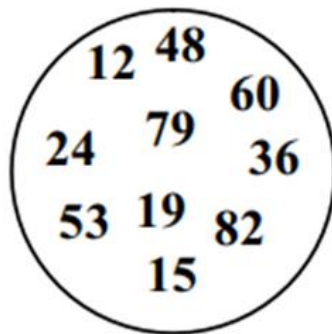## ĐỀ SỐ 01:

2018 Preliminary National Examinations (Pre-NE)

Part I For question 1 – 12, each correct answer is worth 4 points, 1 point for a blank answer, and 0 point for each incorrect answer.

Q1. The sum of 654 + 789 is equal to the sum of

A. 860 + 483　　B. 582 + 851　　C. 747 + 686　　D. 618 + 815　　E. 568 + 875

Q2. In the adjoining circle, how many more even numbers than odd numbers?
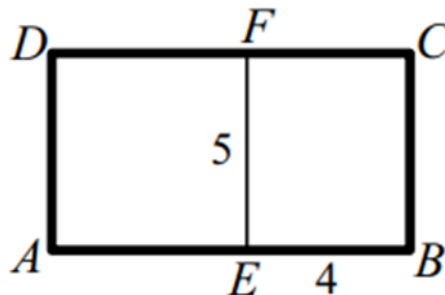

A. 2　　　　　B. 3　　　　　C. 4　　　　　D. 5　　　　　E. 6

Q3. The total of numbers of pens and pencils on a table is 128. The number of pens is 69. What is the difference between the number of pencils and pens on the table?

A. 10　　　　B. 12　　　　C. 20　　　　D. 49　　　　E. 59

Q4. Given that ABCD is a rectangle. Let E and F be points on $\overline{AB}$ and $\overline{CD}$ respectively to obtain the square AEFD. FE = 5 and EB = 4. What is the perimeter of ABCD?


A. 24　　　　B. 26　　　　C. 28　　　　D. 30　　　　E. 32

Q5. Which one of the following pair of lengths whose sum is equal to 1 meter 45 centimeters?

A. 90 centimeters and 45 centimeters　　B. 86 centimeters and 59 centimeters

C. 78 centimeters and 77 centimeters　　D. 63 centimeters and 72 centimeters

E. 53 centimeters and 82 centimeters

Q6. Which one of the followings is true for the adjoining figure?

A. equal sides

B. ellipse.

C. symmetry of shape

D. 7 sides

E. hexagon
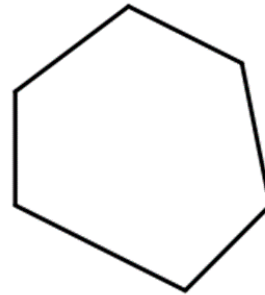
Q7. Suppose that the 5th August is Sunday. In the same year, what date is the first Sunday of September?

A. 1st B. 2nd C. 3rd D. 4th E. 6th

Q8. Tom said "my class will finish in 30 minutes later". If Tom finished his class at 15:30, at what time would Tom say?

A. 15:05   B. 15:00   C. 14:35   D. 14:30   E. 14:25

Q9. Chusri has 670 dollars that are a 500 dollars bank note, a 100 dollars bank note, a 50 dollars bank note, and a 20 dollars bank note. Chusri buys a carton of milk of price 13 dollars by a bank note. Which one of the followings is not the possible change Chusri should get back?

A. 487 dollars   B. 87 dollars   C. 37 dollars   D. 17 dollars   E. 7 dollars

Q10. Students in a grade 2 class choose one of their favorite fruits from 4 kinds of fruits namely orange, banana, apple, and mango as shown in the following table.

Fruits	Number of students
orange	🎭 🎭 🎭
banana	🎭 🎭
apple	🎭 🎭 🎭 🎭
mango	?

Let 🎭 represent 3 students.

If there are 36 students in the grade 2 class, how many students choose mango?

A. 3   B. 6   C. 9   D. 12   E. 15

Q11. The number of students each grade in a primary school are shown in the following table. How many students are in grade 2 of this school?

Grade	Number of students
1	139
2	?
3	135
4	136
5	138
6	140
Total	**826**

   A. 135   B. 136   C. 137   D. 138   E. 139

Q12. Mary draws a marble from a bag. The bag contains 5 orange marbles, 2 yellow marbles, 1 red marble, 8 blue marbles, and 3 green marbles. What color of marbles has the most possible chance to be drawn?

   A. orange   B. yellow   C. red

   D. green   E. blue

Part II For question 13 – 24, each correct answer is worth 6 points, 1.5 points for a blank answer, and 0 point for each incorrect answer.

Q13. What number is □ to make the symbolic statement $35 < 26 + □ < 40$ true?

   A. 7   B. 9   C. 12   D. 14   E. 16

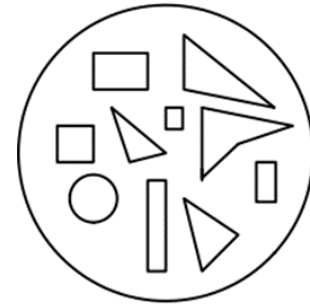**Q14.** Find the sum of all two digit numbers which has 3 as the sum of the digits.

   A. 30   B. 52   C. 42   D. 33   E. 63

Q15. Given that A = 12, B = 24 and C = 34. Which one of the followings is true?

   A. C – B = A   B. A + B = C – 1   C. C – A = B

   D. A + B + C = 67   E. A + C = B + 22

Q16. In the given figure, how many quadrilaterals are in the circle?
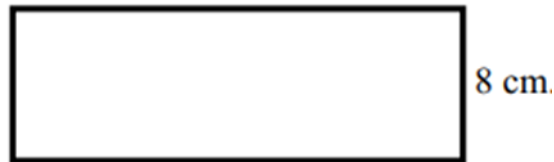
A. 3   B. 4   C. 5

D. 6   E. 7

Q17. Given that a bucket of rice weighs 15 kilograms and 1 sack weighs 100 kilograms. How many more kilograms of 2 sacks than 4 buckets?

A. 120 kilograms   B. 130 kilograms   C. 140 kilograms

D. 220 kilograms   E. 240 kilograms

Q18. A pizza of radius 8 inches is divided into 3 equal pieces.

8 cm.

A. 48   B. 44   C. 40   D. 32   E. 20

Q19. Students start to take a test at 10.45 A.M.. If they are given 1 hour 30 minutes to finish the test, at what time should students finish the test?

A. 10.45   B. 11.15   C. 11.45   D. 11.55   E. 12.15

Q20. How many numbers are there from 10 to 99 having digit 2?

A. 20   B. 18   C. 17   D. 16   E. 19

Q21. If the sum of 5 consecutive numbers is 55, what is the greatest number among the 5 numbers?

A. 10   B. 11   C. 12   D. 13   E. 14

The following information is needed to answer question 22 to 24.

At the 2018 FIFA world cup tournaments, the 32 teams were drawn into 8 groups A, B, C, D, E, F, G, and H of 4 teams. In the first round any two teams play together only one match. Each match the winner gets 3 points, no point for the loser. If a match ended in a tie, each team gets 1 point. After the first round ended, the first two teams with highest points in each groups will enter to the second round.

Q22. In the first round, the match results of group A consisting of nation teams of Saudi Arabia, Egypt, Russia, and Uruguay are as follows:

Russia	VS	Saudi Arabia	Russia	won	5 – 0
Egypt	VS	Uruguay	Egypt	lost	0 – 1
Russia	VS	Egypt	Russia	won	3 – 1
Uruguay	VS	Saudi Arabia	Uruguay	won	1 – 0
Saudi Arabia	VS	Egypt Saudi	Arabia	won	2 – 1
Uruguay	VS	Russia	Uruguay	won	3 – 0

After the first round ended, what is the total points of group A?

  A. 18   B. 17   C. 16   D. 15   E. 14

Q23. In the first round of the 2018 FIFA world cup tournaments, how many matches are in each group?

 A. 6   B. 8   C. 10   D. 12   E. 16

Q24. After the first round of the 2018 FIFA world cup tournaments ended, what is the possible maximum total points of 4 teams?

  A. 16   B. 17   C. 18   D. 19   E. 20

PART III For questions 25 – 29, each correct answer is worth 7 points and 0 point for each incorrect or blank answer.

In the case that an answer is not integral, students have to put the most nearest integral answer. Students have to answer the last five digits in the case that the answer from calculating is more than 5 digits.

Q25. In the given figure, the equilateral octagon ABCDEFGH consists of the equilateral triangle ABH, the square BCGH, and the equilateral pentagon CDEFG. The perimeter of the equilateral octagon ABCDEFGH equals 112 units. What is the area of the square BCGH equal to?

(Area of a square = length of side × length of side)
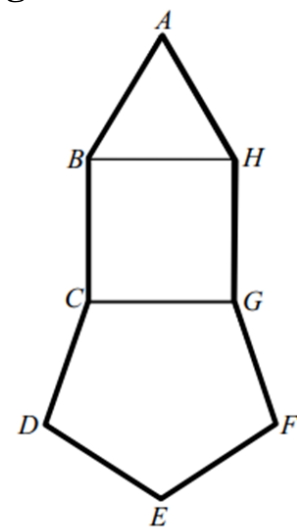
Q26. What is the value of $2 \times 18 + 25 - 61$?

Q27. Let $\overline{TMC}$ represent a 3 digit positive number where different letters represent different digits. If $\overline{TMC} \times T = 2560$, what is the value of $\overline{TMC} + T$?

Q28. Jane took 3 hours to walk in a street on the way back home yesterday. How many minutes did Jane walk in the street?

Q29. A game of putting marbles in a row of 10 small squares, there are two players. The rule of the game are the following:

　　(i) The players alternate turns.

　　(ii) Each player, when it is their turn, put at least one marbles but not exceed 5 marbles into the squares. The players must put marbles started from the most left square continuously.

　　The last player who put marble (s) is the loser.

For example :
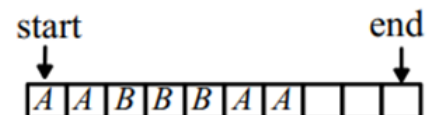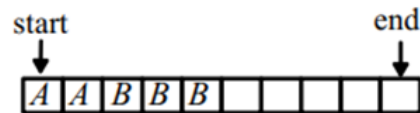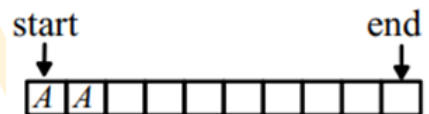
A and B are players and player A begins the game.

Turn 1 : Player A puts 2 marbles.
Turn 2 : Player B puts 3 marbles.
Turn 3 : Player A puts 2 marbles.
Turn 4 : Player B puts 2 marbles.
Turn 5 : Only one square is left. Player must put a marble. The loser is player A.
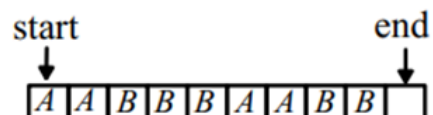
A winning strategy for this game is that player who puts marbles at first is always the winner.

If there is a row of 20 squares in the game, how many marbles should the player in Turn 1 put in squares in order to guarantee a win?

Bonus Question (Student may or may not give the answer)

A correct answer is worth 20 points. An incorrect answer is lost 7 points and 0 point for blank answer.

In the case that an answer is not integral, students have to put the most nearest integral answer. Students have to answer the last five digits in the case that the answer from calculating is more than 5 digits.

Q30. Mark and John play a game of guessing a row of 4 digits each of which can be any one of 0 to 9 and without repeating. Mark writes 4 digits on a piece of paper and John guesses the 4 digits. Each time John guesses the 4 digits, Mark will tell the number of right digits and right positions in the row of the 4 digits being guessed.

For example, Mark writes a row of 4 digits as 2561 and John guesses as 2018. That is "John guesses 2 right digits (2 and 1) and 1 right position (2 is in the first position)".

Suppose that John guesses 5 times a row of 4 digits written by Mark and Mark tells the number of right digits and right positions as in the following table.

Time	John guesses	Mark tells	
		Number of right digits	**Number of right positions**
1	1234	1	1
2	5678	1	1
3	9012	3	0
4	0926	2	1
5	1950	3	3

What is the row of 4 digits written by Mark?

ĐỀ SỐ 02

1. Find the perimeter of a rectangle which has the width of 3 cm and the length is 2 times as many as than the width.

  A. 12 cm   B. 6 cm   C. 9 cm   D. 18 cm   E. 24 cm

2. There are 12 books on a shelf and five children in a room. How many books will be left on the shelf if each child takes one book?

  A. 12   B. 7   C. 4   D. 2   E. 0

3. In the picture, each shape stands for a different number. Which number should be written in place of the question mark?
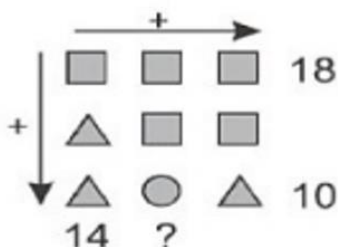
  A. 10   B. 12   C. 14   D. 16   E. 18

4. George has 2 cats of the same weight. What is the weight of one cat if George weighs 28 kilograms and the weight of him and two cats is 36 kg?

  A. 1 kg   B. 2 kg   C. 4 kg   D. 3 kg   E. 5 kg

5. There are 3 children in a family. Kitty is 2 cm taller than Betty, Dannie is 3 cm shorter than Kitty. Who is the tallest and who is the shortest?

A. Annie is the tallest and Dannie is the shortest

B. Betty is the tallest and Dannie is the shortest

C. Kitty is the tallest and Dannie is the shortest

D. Kitty is the shortest and Dannie is the tallest

E. Kitty is the shortest and Annie is the tallest

6. A goose weighs 10 kilograms. The goose is 6 kilograms heavier than a duck. The chicken is 2 kilogram lighter than a duck. How many kilograms does the goose weigh more than the chicken?

  A. 6   B. 7   C. 8   D. 9   E. 10

7. What is the sum of the smallest and the biggest 2-digit number?

  A. 89   B. 10   C. 90   D. 99   E. 109

8. It takes half an hour for Jenny to go half of the way from school to home. How long does it take Jenny to go to school from home?

  A. 15 mins   B. Half an hour   C. 1 hour   D. 2 hours   E. 40 mins

9. Mother ordered 4 pizzas and sliced each of them into 8 pieces for Vera's birthday. There were 15 children at the party including Vera. How many slices are left over if mother gives two slices to each child?

A. 5　　　　　B. 4　　　　　C. 3　　　　　D. 2　　　　　E. 1

10. There were 10 flags on a straight track of a race. The first one was at the start, the last one at the end. The distance between each flag was 8 m. How long was the track?

A. 24m　　　　B. 48m　　　　C. 80m　　　　D. 72m　　　　E. 88m

11. During 3 days Joy, the cat was catching mice. Each day, Joy caught 2 mice more than the previous day. On the third day, Joy caught twice as many mice as on the first day. In total, how many mice did Joy catch during the three days?

A. 12　　　　　B. 6　　　　　C. 18　　　　　D. 20　　　　　E. 24

12. We left for a summer camp yesterday at 4:32 PM and got to our destination today at 6:11 AM. For how long did we travel?

A. 13 hours 39 minutes　　　　　　　B. 14 hours 39 minutes

C. 14 hours 21 minutes　　　　　　　D. 13 hours 21 minutes

E. 2 hours 21 minutes

13. Find the next term of the following sequence: 3, 5, 8, 13, 21, …

A. 23　　　　　B. 27　　　　　C. 34　　　　　D. 35　　　　　E. 12

14. A shop sells sweets where every 3 sweet wrappers can be exchanged for one more sweet. Ali has enough money to buy only 7 sweets. What is the biggest number of sweets that he can get from the shop?
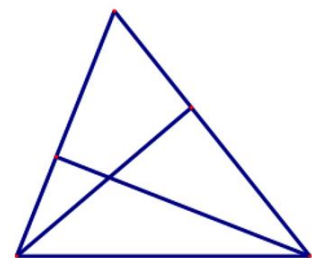
A. 7　　　　　B. 8　　　　　C. 9　　　　　D. 10　　　　　E. 11

15. Given number 408. How many units will the new number be less than the original number if we take away 2 units from the digit in the hundreds place?

A. 100　　　　B. 200　　　　C. 300　　　　D. 400　　　　E. 500

16. How many triangles can be found in the diagram below?

A. 4　　　　　B. 5　　　　　C. 6

D. 7　　　　　E. 8

17. David takes 40 seconds to climb from the first floor to the third floor. How many seconds does he take to climb from the third floor to the sixth floor?

A. 30s　　　　B. 35s　　　　C. 40s　　　　D. 60s　　　　E. 50s

18. Find y, given that:　　　　　　　$36 + 65 = y + 22$

A. 79　　　　　B. 65　　　　　C. 80　　　　　D. 37　　　　　E. None of them

19. A random month has the first Sunday which is on the second day of that month. What is the date of the third Sunday of that month?

   A. 16th   B. 9th   C. 2nd   D. 1st   E. 5th

20. 989 individual candies are packed into packages which each contains 4 candies. In order to complete the last package, how many more candies are needed?

   A. 2   B. 3   C. 4   D.5   E.6

21. Find a number given that if subtract that number by 95 we will get the difference which is equals to 39 minus 22.

   A. 70   B. 112   C. 39   D.95   E. None

22. What is 2018 + 2 x 0 x 1 x 4 equal to?

   A. 2016   B. 2018   C. 2021   D.2022   E. None

23. Eight pop bottles can be traded in for a pencil. What is the maximum number of pencils that can be obtained from 34 pop bottles?

   A. 1   B. 2   C. 3   D. 4   E. 5

24. What is the minimum number of straight cuts required to divide a cylindrical cake into eight identical pieces?

   A. 1   B. 2   C. 3   D. 4   E. 5

25. Two classes 2A and 2B are going on a field trip. To divide the number of students of these two classes into two equal groups, teacher needs to exchange 6 female students from 2A to 2B, and 4 male students of from 2B to 2A. Then each group has 32 students. Find out the number of students in each class in the beginning.

26. At present, Mai is 7 years old, Hoa is 10 years old, Hong is 9 years old. What is the sum of ages of these 3 girls when the age of Mai equals to Hong's age at the moment?

27. Today is Monday, May 4th. In 10 days, it will be Minh's birthday. On which date is Minh's birthday and on which day of the week?

28. Find the difference between the biggest 2-digit even number and the smallest 2-digit odd number?

29. How many 2–digit numbers could be formed from 1, 2, 3, 4 and 7.

30. Given 6 digits 0, 1, 2, 3, 4, 5. What is the smallest difference we can get from 3-digit distinctive numbers formed by the given digits

ĐỀ SỐ 03

1. Double me is 16. Who am I?

  A. 4   B. 8   C. 12   D. 16   E. 20

2. What operation signs must replace the ◯ and ☐ so that the mathematical sentence 10 + 1 + 5 = 1 ◯ 3 ☐ 5 is correct?

  A. + for ◯ and × for ☐   B. × for ◯ and − for ☐

  C. + for ◯ and ÷ for ☐   D. × for ◯ and ÷ for ☐

  E. × for ◯ and + for ☐

3. How many odd numbers from 1 to 100?

  A. 49   B. 50   C. 51   D. 52   E. 53

4. What is the difference between the largest three-digit number and the smallest three-digit number can you make with a set of digit cards: 7, 4, 9, 1?

  A. 997   B. 827   C. 769   D. 625   E. 523

5. What is the value of the giraffe in the picture below?

  A. 9   B. 11   C. 6   D. 10   E. 12

6. Tim had 17 sweets but he ate six. May had 15 sweets and she ate four. How many sweets do they have now?

  A. 32   B. 22   C. 42   D. 18   E. 12

7. Bob ran the race in 60 seconds. Ben ran the race in 74 seconds. Vishni ran the race in 53 seconds. Lin ran the race in 70 seconds. Who is the slowest?

  A. Bob   B. Ben   C. Vishni   D. Lin   E. Mike

8. A snail tried to climb up a vertical wall. At the first time, it tried to climb 60 centimeters upward, but it unfortunately slid 44 centimeters downward. At the second time, it climbed 28 centimeters upward, and slid 35 centimeters downward, and then it rested. How many centimeters apart are the current position and the initial position of the snail?

A. 10   B. 7   C. 11   D. 8   E. 9

9. Which sum is an even number?

A. 62+ 36+ 42 + 18   B. 7+82+ 34 + 10   C. 12 + 31 + 47 + 23

D. 33 + 31 + 15 + 38   E. 20 + 47 + 31 +5

10. Nas's plane flew half a meter. Aziz's plane flew 1 and a half meters. Khalid's plane flew 2 meters. Tom's plane flew 2 and a half meters. Beck's plane flew one-fourth meter. Whose plane flew the furthest in total?

A. Nas's   B. Aziz's   C. Khalid's   D. Tom's   E. Beck's

11. Find the value of question mark "?"
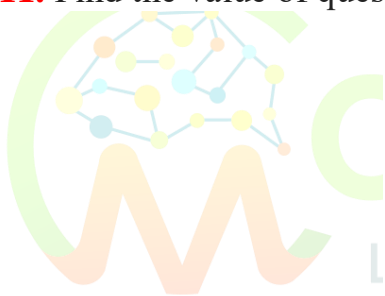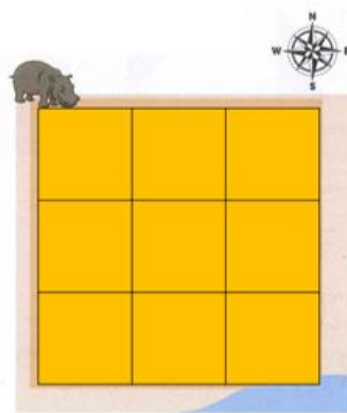
7	4	5	15
8	6	10	20
9	5	8	?

A. 25   B. 27   C. 29   D. 32   E. 35

12. The hippo wants to get to the river. Known that, each block is one step. How many steps East does he have to walk in all?

A. 1   B.2   C. 3   D. 4   E. 5

13. Emma has a town play mat. Road A is 10 cm long. Road B is 1 meter long, and Road C is 15 cm long. She moves her toy car along Road A, then Road B and stops at the end of the Road C. How far has Emma's toy car travelled in total?

A. 26 cm   B. 25 cm   C. 125 cm   D. 120 cm   E. 106 cm

14. In a race between Jack, Bob, Ken, Bin and Tim. Jack is faster than Bob, Ken is faster than Bin, Ken is slower than Tim, Bin is faster than Bob, and Tim is slower than Jack. Which racer is the fastest?
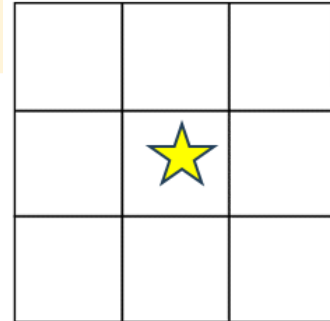
A. Jack   B. Bob   C. Ken   D. Bin   E. Tim

15. How many different 2- digit numbers can be made from the digits 2, 0, 3, 1?

A. 3   B. 6   C. 9   D. 12   E. 15

16. How many rectangles which contain the star?

A. 12   B. 24   C. 20

D. 16   E. 10

17. Bruno, the owner of Bruno's Buns, has to bake 12 large pans of chocolate buns before he leaves for the day. He can bake two pans at a time. He knows that each pan must bake for 10 minutes for the perfect bun – no more, no less. If he starts baking at 5:45, what is the earliest time he can close the shop?

A. 6:00   B. 6:15   C. 6:30   D. 6:45   E. 7:00

18. I am a 3-digit number. The digit in my tens place is 3 times the digit in my hundreds place. The digit in my units place is 3 times the digit in my tens place. Who am I?

A. 307   B. 250   C. 269   D. 128   E. 139

19. Face north, turn anti- clockwise one right angle. Which way are you facing?
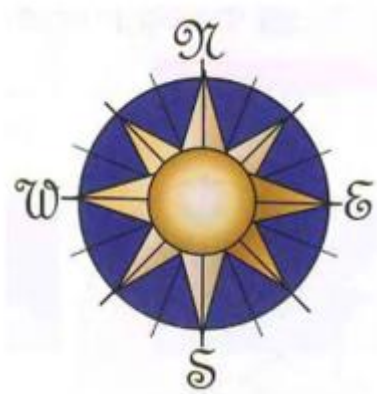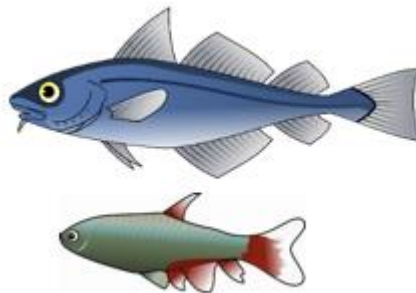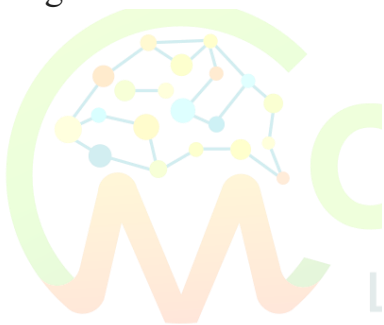

A. east   B. north   C. west   D. south   E. north and west

20. Mafoy likes to go fishing. He holds the record for the longest fish. It was 56cm long. His friend Harry likes going fishing too. The longest he has caught is 29cm long. How much shorter was his fish than Mafoy's?

A. 46cm   B. 55cm   C. 38 cm   D. 27cm   E. 15 cm

21. Mathew and Betty are going to join a parade on Saturday. They have to be at the parade an hour before it starts. The parade starts at 11:30 am. If it takes 25 minutes to walk to the starting point of the parade, what time will they have to leave home in order to be there on time?

A. 7:55   B. 10:05   C. 8:30   D. 11:00   E. 9:55

22. Four empty bottles can be traded in for an ice-cream. What is the maximum number of ice-creams that can be obtained from 29 empty bottles?

A. 5   B. 6   C. 7   D. 8   E. 9

23. The three Smith sisters Amy, Betty, and Cindy wear different color skirts to school. Their skirt colors are red, blue and yellow. Amy's skirt is not red and not blue. Betty's skirt is not blue. What color of Cindy's skirt?

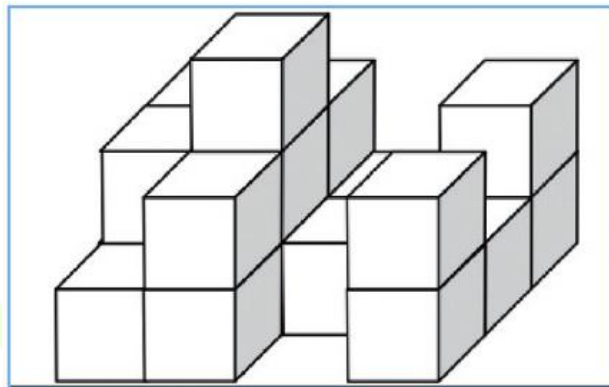A. red   B. blue   C. yellow   D. orange   E. white

24. Henry and Mike have 12 pencils each. After using up the same number of pencils, Henry has 3 pencils left. How many pencils does Mike have left?

A. 0   B. 1   C. 2   D. 3   E. 4

25. How many cubes are there?

26. If the 1st of August is Monday. What day of the week is 12th September?

27. If I roll two dice and multiply the numbers together, what is the sum of the highest and the lowest possible scores?

28. Sue's mom left a plate of cookies on the counter. Sue ate 2 of them, her dad ate 3 of them and they gave 10 to the neighbor. At the end of the day, only 4 cookies were left on the plate. How many cookies were there at first?

**29.** How many digits are required to number a book contaning 100 pages?

30. What is the perimeter of the figure obtained from a 15 cm by 9 cm rectangle, by cutting out four identical squares wwith a perimeter of 8 cm each, one at each corner?

ĐỀ SỐ 04

1. The sum of 652 and 143 is equal to:

A. $214 + 350$ B. $407 + 521$ C. $84 + 212$ D. $537 + 120$ E. $359 + 436$

2. In the adjoining circle, what is the sum of the largest even number and the largest odd number?
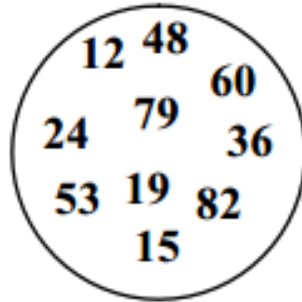
A. 161   B. 67   C. 27   D. 91   E. 97

3. Sunshine Bakery runs two shifts of 78 baked cookies in total. The first shift bakes 29 cookies. How many cookies are there does the second shift bake more than the first one?

A. 49   B. 20   C. 107   D. 30   E. 39

4. Find the perimeter of the following shape. (The perimeter of a shape is the total length around the shape.)
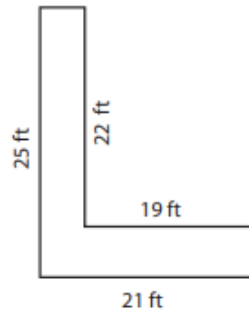
A. 92 ft   B. 88 ft   C. 90 ft   D. 91 ft   E. 89 ft

5. Which one of the following pairs of lengths whose sum is equal to 1 meter and 45 centimeters?

A. 9 dm and 45 cm   B. 86 cm and 59 cm   C. 85 cm and 7 dm

D. 6 dm and 75 cm   E. 53 cm and 82 cm

6. Which one of the following is not true for the adjoining figure?
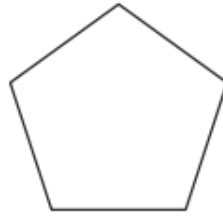
A. Equal sides   B. Ellipse   C. Symmetry of shape

D. 5 sides   E. Pentagon

7. Suppose that the 6th September is Monday. In the same year, what date is the first Sunday of October?

A. 1st   B. 2nd   C. 3rd   D. 4th   E. 5th

8. Bob will play the game of DotA in 3 hours and he will start at 9 p.m. When will he finish playing?

A. 9 p.m   B. 10 p.m   C. 11 p.m   D. 11:30 p.m   E. 0 a.m

9. Hank has 670 dollars that are a \$500 note, a \$100 note, a \$50 note and a \$20 note. If he wants to buy a sandwich for \$5 by one of the notes, which one of the following is not the possible change Hank should get back?

A. \$495   B. \$95   C. \$45   D. \$15   E. \$5

10. Shop A sold 139 kites. Shop B sold 29 kites fewer than shop A. How many kites did those 2 shops sell altogether?

A. 249   B. 259   C. 110   D. 269   E. 349

11. A is 5 less than 49. Which of the following numbers is added to A to get the answer of 87?

A. 54   B. 53   C. 44   D. 43   E. 34

12. A card is drawn from a deck of 52 cards. Which is the least likely to happen?

A. Drawing a black card   B. Drawing a red card

C. Drawing a red or black card   D. Drawing an Ace

E. Drawing either a jack or a queen or a king

13. Find the sum of A and B in the additions below. $A + A + A = \overline{BA}$

A. 3   B. 4   C. 5   D. 6   E. 7

14. From 1 to 99, how many numbers whose sum of digits is 9 are there?

A. 10   B. 11   C. 9   D. 8   E. 7

15. A butterfly sat down on a correctly solved exercise. What number is the butterfly covering?
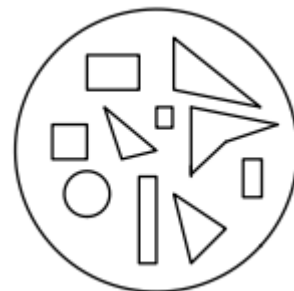
$$91 - 55 = 27 + $$

A. 9   B. 19   C. 36   D. 46   E. 10

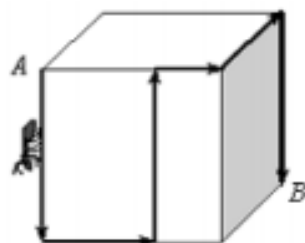**16.** In the given figure, how many triangles are there?

A. 3   B. 4   C. 5

D. 6   E. 7

17. James had 400g of bolts and put the same amount into each of eight boxes. How much will the bolts in each box weigh?

A. 400g   B. 1 kg and 600g   C. 50g

D. 80g   E. 3 kg and 200g

18. The diagram shows a cube with sides of length 12cm. An ant is walking across the cube's surface from A to B on the route shown. How far does it walk?

A. 40cm   B. 48cm   C. 60cm

D. 68cm   E. It is impossible to determine.

19. The ferry leaves the mainland at 11:00 a.m, and docks on the island at 3 p.m. How long is the ride?

A. 4 hours   B. 5 hours   C. 6 hours   D. 7 hours   E. 8 hours

20. How many numbers are there from 10 to 99 having digit 7?

A. 20   B. 19   C. 18   D. 17   E. 16

21. Which of the following cannot be the product of 5 consecutive numbers?

A. 120   B. 720   C. 2520   D. 6720   E. 2502

22. In a horse race game on a computer, Secretariat, Man-of-War, Affirmed and Citation finished in first through fourth places (not in that order), with no ties. i. Man-of-War finished second or fourth. ii. Affirmed did not win the race. iii. Citation or Secretariat finished third. iv. Man-of-War beat Secretariat. What is the name of the horse that finished fourth?

  A. Secretariat   B. Man-of-War

  C. Affirmed   D. Citation

23. There are three boxes with different colors: Red, Yellow and Blue. One apple is in one of the three boxes. Only one of the following sentences is true, and others are false. i. Apple is in the red box. ii. Apple is not in the yellow box. iii. Apple is not in the red box. Which box is containing the apple?

  A. Red box   B. Yellow box   C. Blue box

24. The sum of ten distinct numbers is 100. The largest of these numbers can be:

  A. 10   B. 13   C. 55   D. 64   E. 65

25. he triangle and the square have the same perimeter. What is the perimeter of the whole figure? (The perimeter of a shape is the total length around the shape)

4cm
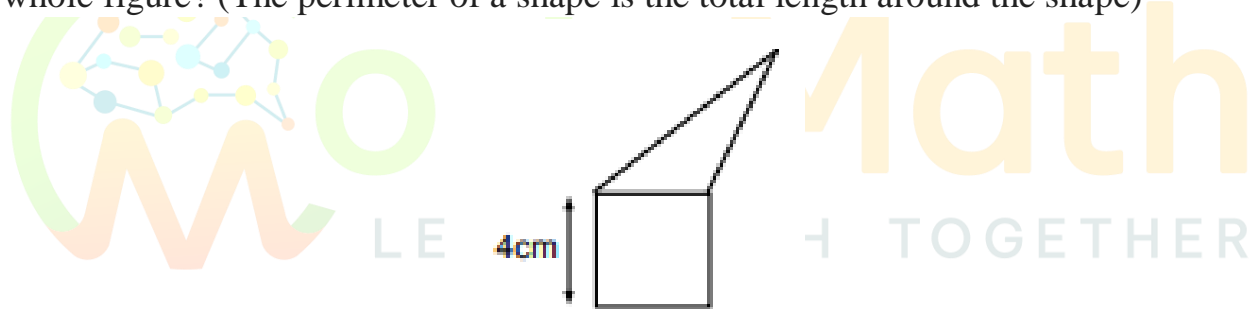
26. To make the equality $1 + 1 \clubsuit 1 - 2 = 100$ correct, find the missing digit

27. Fill in the missing number in the problem below.

$$24 \div \boxed{} + 5 \times 3 + 2 = 20$$

28. Duane is making a casserole for dinner. He has been cooking the casserole for 48 minutes. The casserole needs cook for 47 more minutes. How many hours and minutes will the casserole be cooked in total?

29. Three friends – math teacher Mr. White, science teacher Mr. Black and history teacher Mr. Redhead – met in a cafeteria. i. Black-haired person said: "It is interesting that one of us has white hair, another one has black hair, and the third has red hair, though no one's name gives the color of their hair". ii. Mr.White answered: "you are right". What color is the history teacher's head?

30. A snack machine has buttons arranged as shown below. If a selection is made by choosing 2 distinct letters followed by 3 distinct digits, what is the greatest number of different selections that could be made?

A	D
B	E
C	F

1	4	7
2	5	8
3	6	9

ĐÁP ÁN ĐỀ SỐ 01

Question	A	B	C	D	E
1					✓
2	✓				
3	✓				
4			✓		
5		✓			
6					✓
7		✓			
8		✓			
9				✓	
10			✓		
11				✓	
12					✓
13			✓		
14					✓
15					✓
16				✓	
17			✓		
18			✓		
19					✓
20		✓			
21				✓	
22	✓				
23	✓				
24			✓		
25	196				
26	0				
27	517				
28	180				
29	1				
30	1970				