Instructions:

• Write your name, etc. on the separate answer sheet.
• You have 50 minutes to answer the 20 questions.
• Record your answer for each question on the separate answer sheet.
• There is no penalty for incorrect answers, so answer every question.
• Good luck!

PART A: Record the correct answer on the separate answer sheet. Each correct answer is worth **5 points.**

1. The largest number in the list {9.9009, 9.9909, 9.0909, 9.9090} is

   (a) 9.9009   (b) 9.9909   (c) 9.0909   (d) 9.9090

2. $48 = 4 \times 8 +$ __?__

   (a) 0   (b) 8   (c) 16   (d) 24
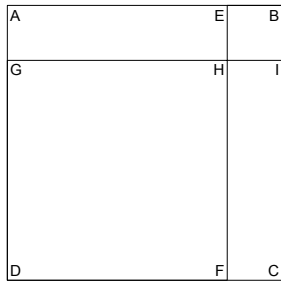
3. On Monday morning there are 50 birds. They double in number every day. How many birds are there on Friday morning?

   (a) 200   (b) 400   (c) 800   (d) 1600

4. I work 8 hours per day and 5 days per week. If I make \$500 in a week, how much do I make in 1 hour?

   (a) \$12.50   (b) \$13.00   (c) \$13.50   (d) \$14.00

5. My wall clock shows that the time now is 07:26. What will be the time shown on my wall clock after exactly 3 hours and 35 minutes?

   (a) 10:01   (b) 10:11   (c) 11:01   (d) 11:11

6. John has one quarter, two dimes, three nickels and four pennies. How much money does John have?

   (a) 4 cents   (b) 10 cents   (c) 36 cents   (d) 64 cents

7. Which of the following cannot be the measure of an angle in a triangle?

   (a) $2°$ (b) $30°$ (c) $150°$ (d) $180°$

8. All the following products are odd except

   (a) 325×39 (b) 368×23 (c) 369×25 (d) 697×37

9. The 20th power of 2 is the __?__ power of 16

   (a) 4th (b) 5th (c) 6th (d) 7th

10. How many cuts are required to divide a 42cm long stick into 6 equal parts?

    (a) 5   (b) 6   (c) 7   (d) 8

PART B: Record the correct answer on the separate answer sheet. Each correct answer is worth **6 points.**

11. The sum of the first 8 prime numbers is:

    (a) 77   (b) 78   (c) 79   (d) 80

12. Eight years from now I will be twice as old as I was one year ago. How old am I now?

    (a) 9   (b) 10   (c) 11   (d) 12

13. When a number is added to 1/4 of itself the result is 5. What is the number?

    (a) 2   (b) 3   (c) 4   (d) 5

14. ABCD is a square with area $100m^2$. EBIH is a square with area $4m^2$. What is the area of square GHFD

    (a) 64   (b) 72   (c) 96   (d) 100

15. How many 3's are there in the list of numbers between 1 and 200?

    (a) 19   (b) 20   (c) 38   (d) 40

PART C: Record the correct answer on the separate answer sheet. Each correct answer is worth **8 points.**

16. The smallest of 5 consecutive numbers whose sum is 50 is:

    (a) 7   (b) 8   (c) 9   (d) 10

17. From the digits 1, 2, and 3, how many different three digit numbers can be made allowing digit repetition.

    (a) 6   (b) 9   (c) 15   (d) 27

18. A pilot flies 1200 m below the clouds. Another plane at a lower altitude files 1800 m above the ground. The clouds are 4000 m above the ground. What is the difference in altitudes between the two planes?

    (a) 600 m   (b) 1000 m   (c) 1500 m   (d) 1800 m

19. Joe fills a pool using a hose and it takes him 2 hours. Mary fills the same pool using another hose in 3 hours. If they fill the pool together, how long will it take?

    (a) 1 hr   (b) 1 hr 12 min   (c) 1 hr 20 min   (d) 1 hr 30 min

20. Your are trying to go from point A to B. You have different routes available as shown in the picture. The numbers in the picture represent the number of jumps you have to make if you choose to follow that path. If you are trying to make the minimum number of jumps from A to B, how many different routes can you choose from?

    (a) 2   (b) 3   (c) 4   (d) 5