HDI REACT SSS PAST QUESTIONS

VERBAL REASONING

DIRECTIONS: Underline the best word to complete each sentence.

1. Omotayo received a (felicitation, colloid, dactylogram) from her fellow classmate for being the only one to make honour role.

2. That historical era was politically and culturally (tumultuous, contumacious, gregarious).

3. Rita was in charge of public relations based on her (gregarious, echoic, anechoic) nature.

4. A/An (oxymoron, mnemonic, paroxysm), such as *cruel kindness*, is often used for dramatic effect.

5. The salesman's (obsequious, unobtrusive, placid) behaviour often turned potential buyers away.

DIRECTIONS: Circle the word that is spelled correctly in each group of words.

6.	Pyrometallergy	Pyrometallurgy	Pyrametallurgy
7.	Crystallize	Crystalize	Crystalise
8.	Emolient	Emolliant	Emollient
9.	Medieval	Medeval	Medievel
10.	Patriarcal	Patriarchil	Patriarchal

DIRECTION: **Find and circle the letter with the statement that *must be* true according to the given information**.

6. Ijeoma is twelve years old. For three years, she has been asking her parents for a dog. Her parents have told her that they believe a dog would not be happy in a flat, but they have given her a permission to have a bird. Ijeoma has not yet decided what kind of bird she would like to have.

A. Ijeoma's parents like birds better than they like dogs.
B. Ijeoma does not like birds.
C. Ijeoma and her parents live in a flat.
D. Ijeoma and her parents would like to move.

DIRECTION: Answer each question *solely* on the basis of the information given. Circle the letter with correct answer.

18. Four people witnessed a mugging. Each gave a different description of the mugger. Which description of the mugger is probably right?

A. He was average height, thin, and middle-aged.
B. He was tall, thin, and middle-aged.
C. He was tall, thin, and young.
D. He was tall, of average weight, and middle-aged.

DIRECTION: Use the clues given to answer the questions.

13.

Four teachers (Okocha, Ekeoma, Nwanne, and Ibe) use four different colours of pen (black, blue, green, or red) to correct the papers of their students. The teachers's first names are Jim, Mary, Stella, and Tom. Read the clues to find each person's full name and pen colour.

1. Okocha and Nwanne are to be bridesmaids at a wedding next week.
2. The teacher who uses the green pen rode to school with Mary in her car when his car was being repaired yesterday.
3. Jim always walks to school, but Nwanne always takes a bus to school.
4. Okocha told the teacher who uses a black pen that Ibe, who doesn't use a green pen, is an excellent teacher.
5. The teacher who uses the red pen lost his watch two days ago.

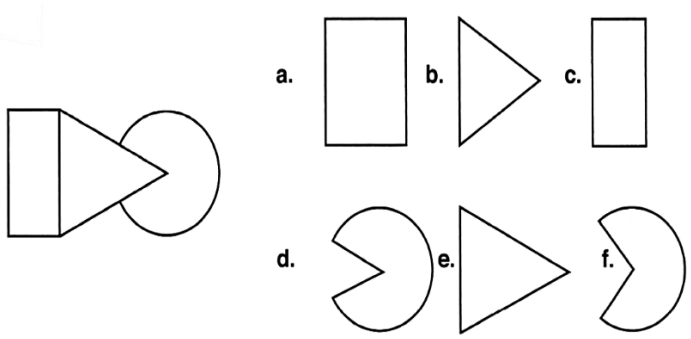
Teacher		**Pen colour**
First name	**Surname**	

HDI REACT SSS PAST QUESTIONS

NON-VERBAL REASONING

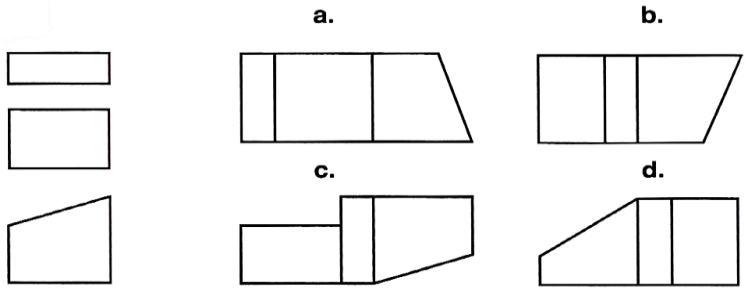
Check the shape(s) that you see in the figure on the left. Select all that apply.

1.



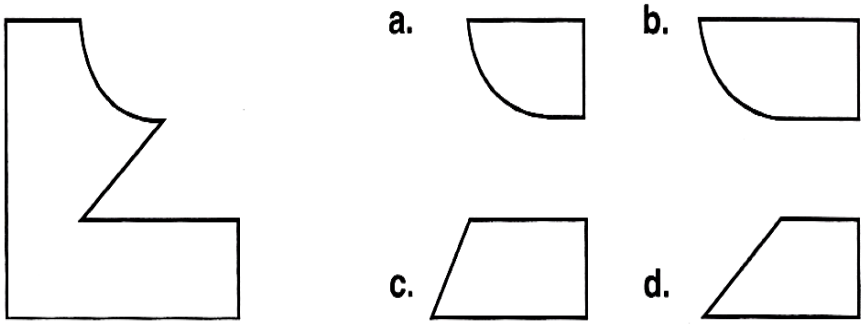
Select the figures that can be formed by joining the three shapes on the left. The shapes may be moved in any direction. Select all that apply.

2.



Circle the two shapes that will fill in the missing area of the big square on the left. You may mentally move the shapes in any direction.

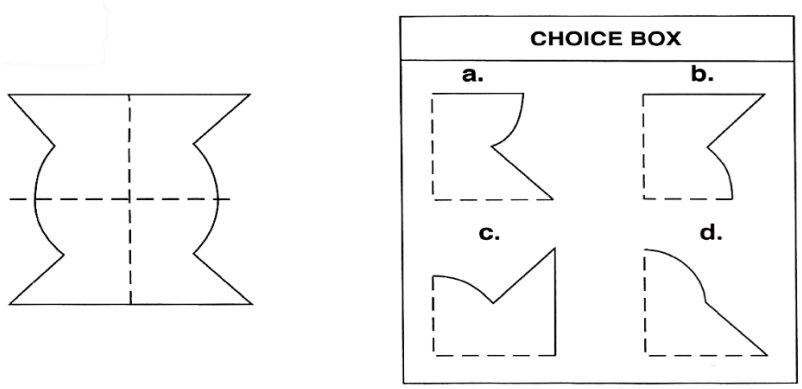
3.



HDI REACT SSS PAST QUESTIONS

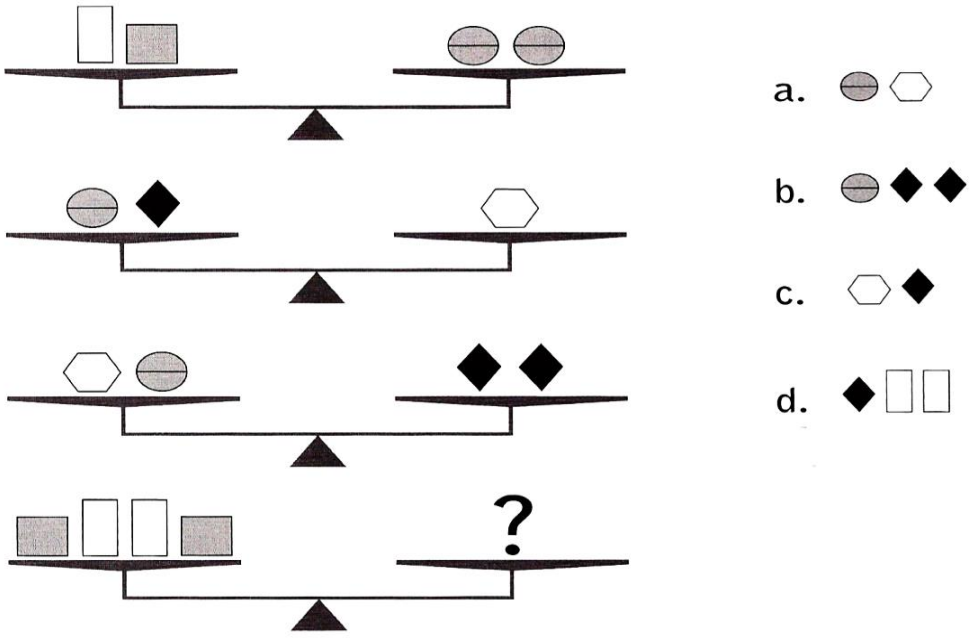
Here are two sheets of paper that will be folded along the dotted lines. How will each sheet look after it has been folded twice? Circle the letter above the correct answer.

4.



Circle the answer that can replace the question mark.

5.



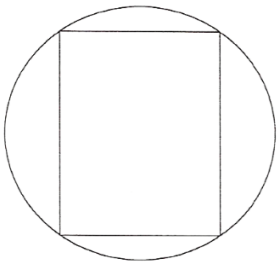
HDI REACT SSS PAST QUESTIONS

QUANTITATIVE REASONING

1. Kizito invested in a stock that increased in value by 17% to 25.74. What was the actual increase in the stock's value?

Answer _____

2. The rectangle in the figure below is inscribed in a circle with a radius $5\sqrt{5}$. If the height of the rectangle is twice its base, what is the area of the rectangle?



Answer _____

3. A jar contains green, red, and blue marbles. The probability of choosing a blue marble is $^1/_3$, the probability of choosing a red marble is $^1/_2$, and the probability of choosing a green marble is $^1/_6$. If there are 12 marbles in the jar, and then three green marbles are added, what is the new probability of choosing a red marble from the jar?

Answer _____

4. A four-digit (0-9) password must meet the following restrictions:

- The first digit must be a prime number.
- The second digit must be odd.
- The third digit must be divisible by 5.
- The fourth digit must be a nonprime odd number.

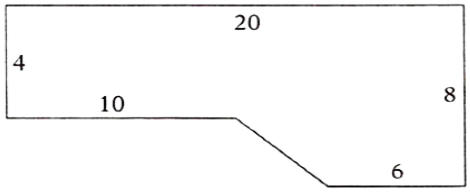
How many possible passwords of this type exist?

Answer _____

5. The average of six consecutive positive integers is 14.5. What is the value of the smallest positive integer?

Answer _____

6. The figure below is the side view of a pool that is 10 m wide. What is the volume of the water in the pool when it is filled to 2 m below the top?



Answer _____

7. One leg of an isosceles triangle is 5 cm longer than its base. Its perimeter is 16 cm. What is the area of the triangle?

Answer _____

8. The average score for a class on a test was 80. If five of the students had each scored ten more points on the test, the average score would have been 82. How many students were in the class?

Answer _____

9. If the numerator of a fraction is increased by 8 and the denominator is decreased by 5, the result is worth $\frac{5}{6}$. If, instead of those changes, the numerator is decreased by 1 and the denominator is increased by 1, the result is worth $\frac{1}{4}$. What is the original fraction?

Answer _____

10. The average score of Chike, Ikenna, and Clara on a test was 79. The average score of Chike and Ikenna was 74. If Chike's score is subtracted from double Ikenna's score, the result is three less than Clara's score. Find the score of Ikenna.

Answer _____