

## SECTION - A

1.  $\frac{3}{5}, \frac{5}{9}, \frac{8}{13}, ?$

a.  $\frac{12}{14}$

b.  $\frac{12}{15}$

c.  $\frac{12}{13}$

d.  $\frac{12}{17}$

2. In a certain code, 'BASKET' is written as '5\$3%#1' and 'TRIED' is written as '14\*#2'. How is 'SKIRT' written in that code?

a.  $14\%3*$

b.  $41\%*3$

c.  $3*0\%41$

d.  $3\%*41$

3. Numbers 1 - 100 are written on two coloured charts, one red and the other green, such that even numbers are written on the red chart and odd numbers are on the green chart. A mathematician selects two prime numbers and finds that the difference of these numbers are left on the two charts red and green, respectively?

a. 50, 47

b. 48, 49

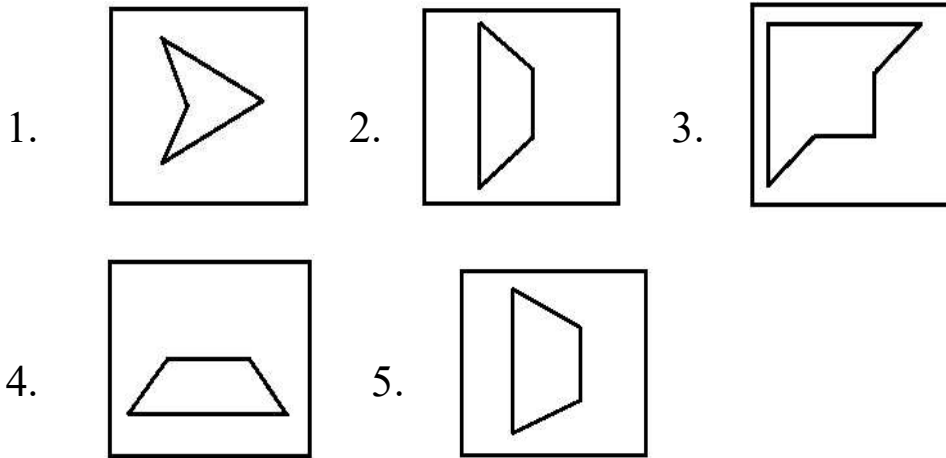
c. 49, 48

d. Data inadequate

4. 'A + B' means 'A is the father of B' and 'A - B' means 'A is the wife of B'. On the basis of this information, what does P + Q - R mean?

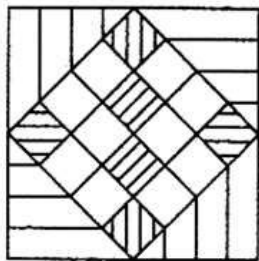
- a. P is the father-in-law of R
- b. P is the uncle of R
- c. P is the brother of R
- d. P is the son of R

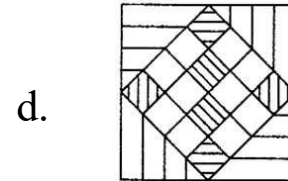
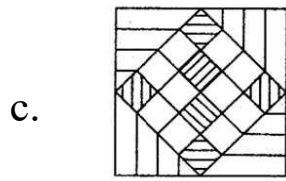
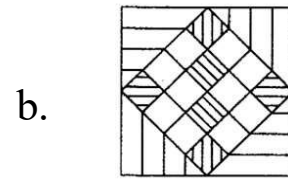
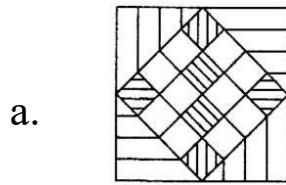
5. Select a figure from the given four options which fits exactly into figure (x) to form a complete square.



- a. 234
- b. 135
- c. 134
- d. 345

6. In each of the following question, identify the correct water image of the given figures.





7. Form amongst the four given alternatives, choose the cube that can be formed by folding the given net.

