



Olympiad Aptitude Test

Logical Reasoning- Grade VIII

Directions : Choose the letters' group that completes the second pair in the same way as the first pair.

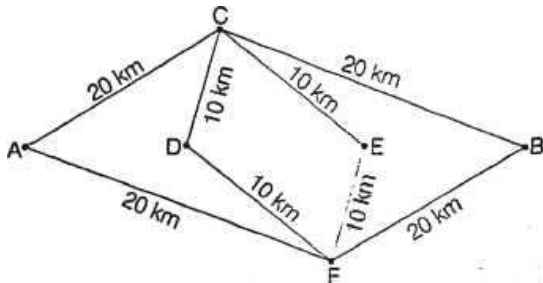
1. AP : BQ :: WM : ?
 a) wx
 c) XN
 b) NX
 d) NW
- 2.. LA: NC :: PW: ?
 a) RY
 b) YR
 c) RX
 d) WY

3. A clock on the wall falls to the floor and the face breaks into three pieces. The digits on each piece of a clock add up to the same total. What are the digits on each piece?



a	I. 11, 12, 1, 2	II. 10, 3, 9, 4	III. 5, 6, 7, 8
b	I. 10, 5, 3, 8	II. 9, 4, 12, 1	III. 2, 6, 7, 11
c	I. 12, 8, 4, 2	II. 10, 7, 6, 3	III. 1, 5, 9, 11
d	None of the above		

4. The given figure shows the **map** of interconnected cities A, B, C, D, E and F,



Calculate the distance travelled by Ravi in going from A to E via D.

- a) 50 km b) 55 km c) 35 km d) 30 km

Direction- Study the information given below carefully and answer the question that follows.

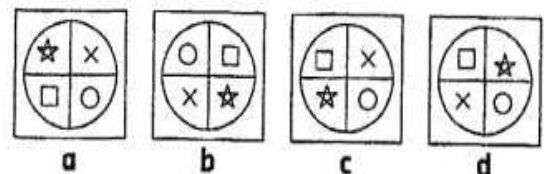
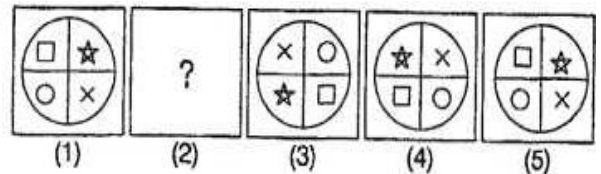
- (i) 8 trees-mango, guava, papaya, pomegranate, lemon, banana, raspberry and apple are in two rows (4 in each row) facing North and South.
- (ii) Lemon is between mango and apple but just opposite to guava
- (iii) Banana is at one end of a line and is just next in the right of guava or either banana tree is just after guava tree.
- (iv) Raspberry tree which is at one end of a line, is just diagonally opposite to mango tree.

5. Which tree is just opposite to pomegranate tree?

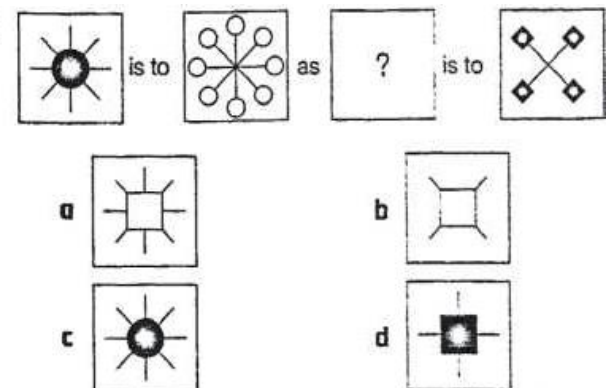
- a) Mango b) Banana
 c) Papaya d) Data inadequate

Directions: Find the missing term in the series given below.

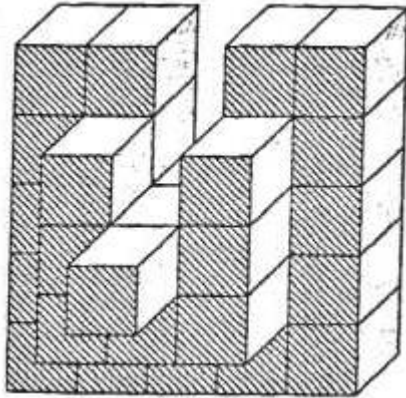
6.



7.

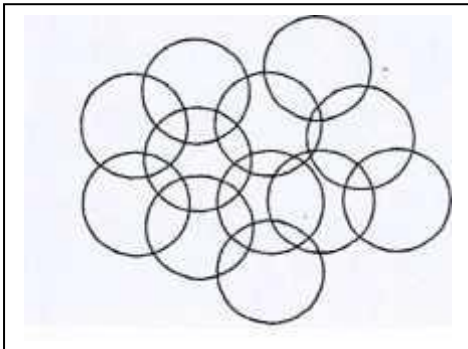


8. Directions : Count the number of cubes in the following figures.



- a 28 b 34
c 32 d None of these

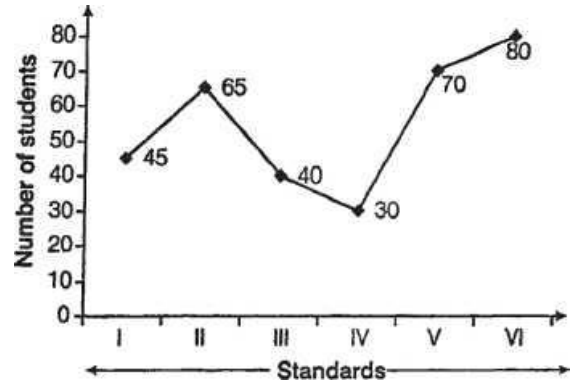
9. How many circles are there in the figure given below?



- a. 12 b. 14
c 10 d None of these

Directions: Study the line graph carefully and answer the questions that follow.

Number of students studying in different standards of a school



10. What is the average number of students from all the standards together?

- a 65 b 55
c 110 d 330

11. What is the total number of students studying in standards I, III and V together?

- a 165 b 150
c 155 d 150