

## **REASONING QUIZ**

### **Important Cube and Cuboid Questions**

**Q1 : Direction: A cube is coloured red on all faces. It is cut into 64 smaller cubes of equal size. Now, answer the following questions based on this statement:**

**How many cubes has no face coloured?**

- (A) 8
- (B) 0
- (C) 24
- (D) 16

**Q2 : How many cubes have three face colored?**

- (A) 8
- (B) 4
- (C) 24
- (D) 16

**Q3 : How many cubes are there which have only face coloured?**

- (A) 16
- (B) 24
- (C) 4
- (D) 8

**Q4 : How many cubes have two red opposite faces?**

- (A) 16
- (B) 24
- (C) 0
- (D) 8

**Q5 : Direction:- A solid cubes two adjacent sides are coloured with Red colour and Just opposite of these sides are coloured with black colour and rest of the sides are coloured with green colour. After that this is changed into 64 small cubes.**

**How many such cubes are there of which one or two sides are coloured but not three sides are coloured ?**

- (A) 3
- (B) 48
- (C) 8
- (D) 24

**Q6 : How many cubes are there which two adjacent sides are coloured with red or with black colour ?**

- (A) 8
- (B) 16
- (C) 2
- (D) None of these

**Q7 : How many cubes are there of which no side is coloured ?**

- (A) 8
- (B) 16

(C) 0

(D) 4

**Q8 : How many cubes are there of which one side is coloured with Red and just opposite side of it coloured with black?**

(A) 4

(B) 6

(C) 0

(D) 2

**Q9 : How many cubes are there of which one side is coloured with green colour and Adjacent side of this is coloured with Black or Red colour?**

(A) 24

(B) 28

(C) 8

(D) 16

**Q10 : How many cubes are there of which at least one side is coloured with red colour?**

(A) 4

(B) 16

(C) 32

(D) 48

**Q11 : How many cubes are there of which only one side is coloured ?**

(A) 24

(B) 16

(C) 48

(D) 32

**Q12 : How many cubes are there of which three sides are coloured ?**

(A) 8

(B) 16

(C) 0

(D) 4

**Q13 : Direction: - A cube of 8 x 8 x 8 cm. side is coloured opposite surface with red, green and yellow. After that cubes is cut into 2 cm small cubes.**

**The number of small cubes which have three surfaces coloured with red, green and yellow?**

(A) 32

(B) 56

(C) 64

(D) 8

**Q14 : The number of small cubes coloured with only green?**

(A) 8

(B) 20

(C) 32

(D) 16

**Q15 : The number of small cubes which have two surface coloured with red and yellow?**

- (A) 4
- (B) 32
- (C) 8
- (D) 16

**Q16 : The number of cubes that are coloured by at least red and yellow?**

- (A) 64
- (B) 32
- (C) 16
- (D) 24

**Q17 : Number of small cubes which have at least one surface green?**

- (A) 32
- (B) 56
- (C) 64
- (D) 8

**Q18 : Directions: - A bigger cubes of 9x9x9 cm size is coloured all surface with green. After that it is cut into three inches small cubes. Give the following answer?**

**The total number of small cubes are?**

- (A) 216
- (B) 36
- (C) 27
- (D) 729

**Q19 : The total number of small cubes which are at least one surface coloured ?**

- (A) 27
- (B) 1
- (C) 6
- (D) 12

**Q20 : The number of small cubes that have three surfaces painted?**

- (A) 8
- (B) 27
- (C) 9
- (D) 3

**Q21 : Number of small cubes which are only one side coloured -**

- (A) 6
- (B) 26
- (C) 8
- (D) 12

**Q22 : The number of small cubes with at least two surfaces coloured?**

- (A) 27
- (B) 8
- (C) 20
- (D) 12

**Q23 : The number of small cubes with two surfaces coloured?**

- (A) 27

(B) 729

(C) 8

(D) 12

**Q24 : Directions: - A cube of  $4 \times 4 \times 4$  cm. side colored with yellow. After that it cut into 1 cm small side cubes. Then answer the following question?**

**How many total numbers of small cubes are there?**

(A) 16

(B) 64

(C) 8

(D) 27

**Q25 : The number of cubes which are at least one surface coloured ?**

(A) 56

(B) 16

(C) 64

(D) 8

**Q26 : The total number of small cubes are on three surfaces coloured?**

(A) 16

(B) 25

(C) 64

(D) 8

**Q27 : The number of colourless cubes are?**

(A) 25

- (B) 4
- (C) 8
- (D) 27

**Q28 : How many small cubes which are two surface coloured ?**

- (A) 48
- (B) 64
- (C) 24
- (D) 36

**Q29 : The number of small cubes that are coloured with single surface?**

- (A) 48
- (B) 64
- (C) 24
- (D) 36

**Q30 : How many small cubes we have which are at least two surfaces painted?**

- (A) 32
- (B) 1
- (C) 64
- (D) 36

**ANSWERS**

- 1. A**
- 2. A**



3. B

4. C

5. B

6. D

7. A

8. C

9. D

10. C

11. A

12. A

13. D

14. A

15. C

16. C

17. A

18. C

19. B

20. A

**21. A**

**22. C**

**23. D**

**24. B**

**25. A**

**26. D**

**27. C**

**28. C**

**29. C**

**30. A**