

Number of Cubes (Aptitude Test)

by Gonit Sora - Wednesday, January 23, 2013

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All the faces of four equal cubes are painted with green color. Then each cube is cut into 64 small equal cubes.

1) How many small cubes will have 4 colored faces and two non-colored faces?

A) 32 B) 64 C) 0 D) 12

2) How many small cubes will have 2 colored faces and rest of the four faces having no color?

A) 96 B) 128 C) 64 D) 160

3) How many small cubes will be formed having only one face colored?

A) 64 B) 0 C) 96 D) 32

4) How many small cubes will be formed having no face colored?

A) 32 B) 16 C) 0 D) 8

5) How many small cubes will be there whose three faces are colored?

A) 0 B) 24 C) 16 D) 32

Four equal cubes are painted with red and blue color in such a way that the opposite faces of each cube are of different color. Each is then cut into 64 small equal cubes.

6) How many small cubes will have blue color on two faces and rest of the four faces having no color?

A) 24 B) 96 C) 48 D) 0

7) How many small cubes will have blue color on two faces, red color on another two faces and rest of the two faces having no color?

A) 0 B) 32 C) 16 D) 8

8) How many small cubes will have red color on two faces and rest of the four faces having no color?

A) 96 B) 32 C) 48 D) 24

9) How many small cubes will have red color on three faces and rest of the three faces having no color?

A) 0 B) 12 C) 4 D) 8

10) How many small cubes will have blue color on three faces and rest of the three faces having no color?

A) 4 B) 12 C) 8 D) 16

11) How many small cubes will remain if the cubes having red color at least on one face are removed?

A) 128 B) 108 C) 148 D) 132

12) How many small cubes having red and blue colors on at least one face will be formed?

A) 48 B) 56 C) 72 D) 76

13) How many small cubes having red color on two faces and blue color on one face will be formed?

A) 12 B) 16 C) 20 D) 8

Answers:

1) C 2) A 3) C 4) A 5) D 6) A 7) A 8) D 9) C 10) A 11) B 12) C 13) A

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