ALL BRANCH (Hinglish)

General Aptitude

Analytial Aptitude

DPP 05 Discussion Notes

Cubes & Dices

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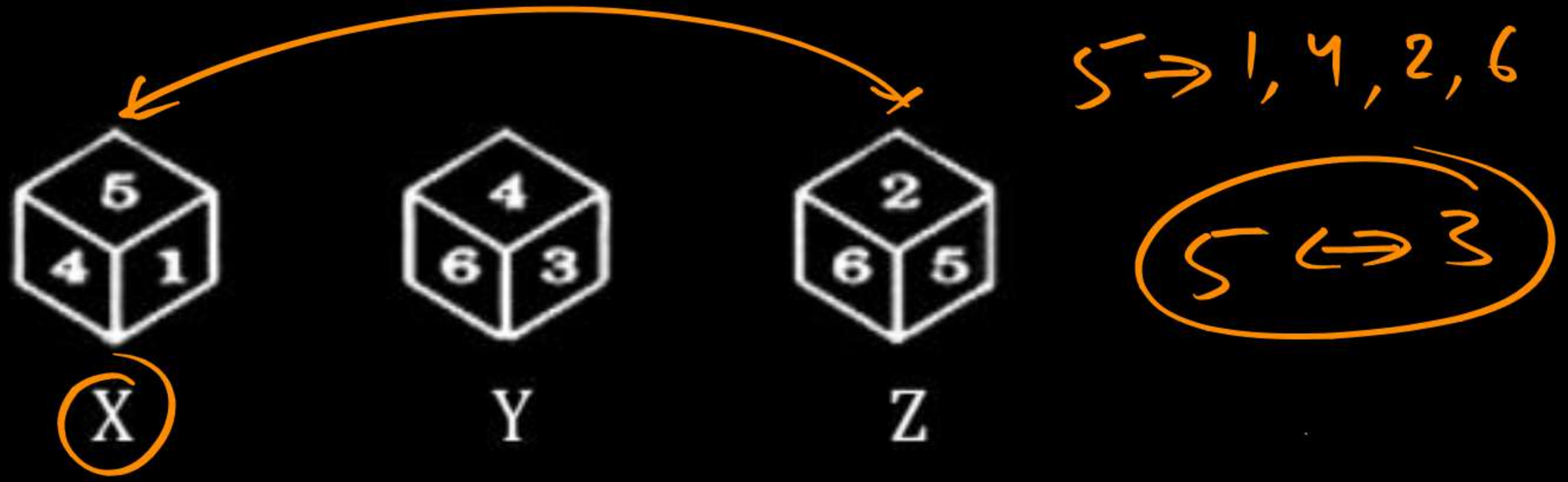
MCQ

5 ↔ ?

Three different positions X, Y and Z of a dice are shown in the figures given below. Which number lies at the bottom face in position X?



5 ⇒ 1, 4, 2, 6

5 ↔ 3

A 2

B 3

C 6

D Can't be determined

MCQ

Two positions of a block are given below. When 1 is at the top, which number will be at the bottom?

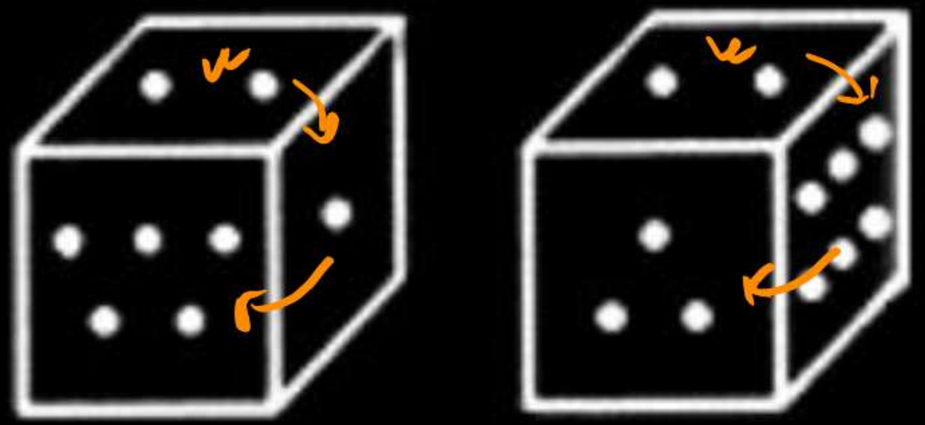
1 ⟷ ? 6

A 2

B 3

C 4

D 6



2 — 1 — 5

2 — 6 — 3

MCQ

What number is opposite of 3 in the figure shown below? The given two positions are of the same dice and each surface of the dice bear a number among 1, 2, 3, 4, 5 and 6.

A 2

B 4

C 5

D 6

3 ⇔ ? 5

5 ⇒ 2, 6, 1, 4

5 ⇔ 3

MCQ

Among the given figures, find the figure which is of STANDARD Dice?

A 

B 

C 

D 

MCQ

Two positions of a dice are shown below. Identify the number at the bottom when the top is '3'?

A 2

B 4

C 5

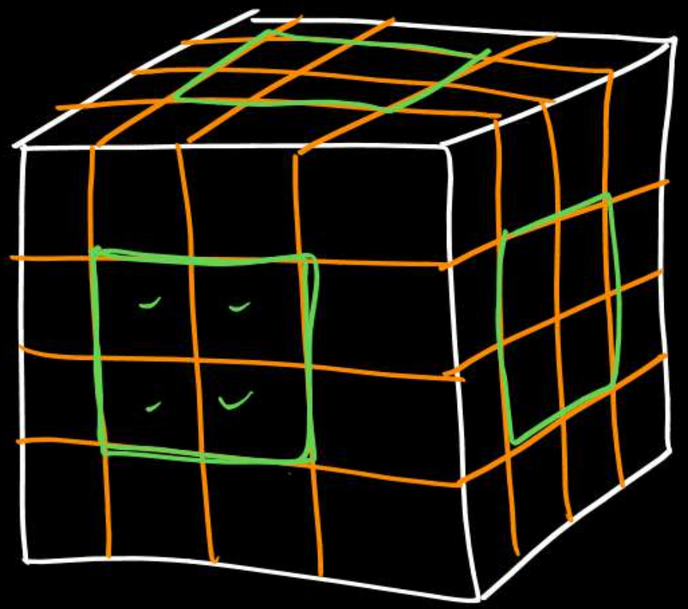
D Can't be determined

Common data statements for next 5 questions.

A cube is coloured blue on all faces. Three cuts are given on each edge to form smaller cubes of equal size. Now, answer the following questions based on this statement.

MCQ

How many smaller cubes are formed?



$(x+1)^3$

$(3+1)^3 = 4^3 = 64$

A 96

B 27

C 16

D 64

MCQ

How many cubes have no face coloured?

$(x-1)^3$

$(3-1)^3 = 2^3 = 8$

A 24

B 8

C 0

D 16

MCQ

How many cubes are there which have only one face coloured?

A 24

B 16

C 4

D 8

$6 \times 4 = 24$

MCQ

How many cubes have two blue opposite face?

A 8

B 16

C 24

D 0

MCQ

How many cubes have three faces coloured?

Vertex ⇒ 8

A 16

B 24

C 4

D 8

Thank You!

GW Soldiers