Urooj Nasir

General Science and Ability.

CSS- 2021.

a- 1, 8, 27, 64, 125, 216.

$1^3=1, 2^3=8, 3^3=27, 4^3=64, 5^3=125, 6^3=216$

4, 18, 48, 100, 180, 294.

n^3-n^2

$2^3-2^2 = 8-4=4$ | $3^3-3^2=27-9=18$, $4^3-4^2=64-16=48$ / $5^3-5^2=125-25=100$

132, 156, 180, 210, 240.

also explain the logic behind these answers in the form of statements.

$132+24=156$ / $156+24=180$, $210+30=240$

Sequence of + 24, 24 and 30

d. 8, 24, 12, 36, 18, 54, 162 | 27

$8\times3=24$, $12\times3=36$, $18\times3=54$, $54\times3=162$

if $8\times3=24\div2=12$, $12\times3=36\div2=18$

$18\times3=54\div2=27$

e- 15, 31, 63, 127, 255

$5\times2=30+1=31$ / $31\times2=62+1=63$

$63\times2=126+1=127$

$127\times2=254+1=255$

a - 121, 11, 81, 9, 49, 7

$11^2, 9^2, 7^2$

b - 100, 50, 25, 12.5, 6.25

4, 9, 64, 125, 1296, 2401

$2^2, 3^2, 4^3, 5^3, 6^4, 7^4$

44, 22, 66, 33, 132, 66

22 x 2 = 44, 33 x 2 = 66, 132 x 2 = 264

Alphabetical series.

2 3 2 4 5 4 6 7 6 8 9 8 10 11 10

BCB, DED, FGF, HIH, JKJ

17 16 15 14 13 12 11 10 9 5 4 3

QPO, NML, KJI, HGF EDC

19 3 4 20 5 6 21 7 8 22 9 10

SCD, TEF, UGH, VIJ, WKL

17 1 18 18 19 1 20 20 1 21 21 1 21

QAR, RAS, SAT, TAU, UAV

5 12 6 1 7 12 8 1 9 12 10 1 11 12 13 1

ELFA, GLHA, JLJA, KLMA, MLNH