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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

$$\begin{array}{l} n^3 - n^2 \\ 2^3 - 2^2 = 8 - 4 = 4 \quad | \quad 3^3 - 3^2 = 27 - 9 = 18, \quad 4^3 - 4^2 = 64 - 16 = 48 \\ 5^3 - 5^2 = 125 - 25 = 100 \end{array}$$

132, 156, 180, 210, 240

$$132 + 24 = 156 \quad | \quad 156 + 24 = 180, \quad 210 + 30 = 240$$

Sequence of $\times 24, 24$ and 30

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

$$8 \times 3 = 24, \quad 24 \times 3 = 36, \quad 18 \times 3 = 54, \quad 54 \times 3 = 162$$

$$\text{if } 8 \times 3 = 24 \div 2 = 12, \quad 12 \times 3 = 36 \div 2 = 18 \\ 18 \times 3 = 54 \div 2 = 27$$

e- 15, 31, 63, 127, 255

$$15 \times 2 = 30 + 1 = 31 \quad | \quad 31 \times 2 = 62 + 1 = 63$$

$$63 \times 2 = 126 + 1 = 127$$

$$127 \times 2 = 254 + 1 = 255$$

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
 $22 \times 2 = 44, 33 \times 2 = 66, 132 \times 2 = 264$

Alphabetical series.

2 3 2 4 5 4 6 7 6 8 9 8 10 11 10
BCB, DED, FGF, HHH, 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, WKLS

17 1 18 18 19 19 1 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, ILJA, KLMA, MLNA