

Maths Assignment.

Date: _____

Day: _____

CS8 - 2021 - Find the missing term

a) 1, 8, 27, 64, 125, 216

b) 4, 18, 54, 108, 180, 294

c) 8, 24, 12, 36, 18, 54, 27

d) 132, 156, 182, 210, 240

e) 15, 31, 63, 127, 255

f) 121, 11, 81, 9, 49, 7

g) 100, 50, 25, 12.5 6.25

h) 4, 9, 84, 729, 1296, 2401

i) 2, 5, 13, 24, 48, 96

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

j) 44, 22, 66, 33, 132, 66

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Find the missing letters

1) BCB, DED, FGF, HII, JKJ

2) QPO, NML, KJI, HGF EDC

3) SCD, TEF, UGH, VIJ, WKL

4) GAR, RAS, SAT, TAU, UAV

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5) JAK, KBL, LGM, MDN, NEO

6) ELFA, GLIA, JLJA, KLLAMLN 4

(d) How many prime numbers are between each of the following pairs.

a) $\sqrt{3}$ and $\sqrt{120}$

4 numbers $\Rightarrow 2, 3, 5, 7$

b) $\sqrt[2]{10}$ and $\sqrt[2]{410}$

6 numbers $\Rightarrow 5, 7, 11, 13, 17, 19$

c) $\sqrt[2]{10}$ and $\sqrt[2]{999}$

9 numbers $\Rightarrow 5, 7, 11, 13, 17, 19, 23, 29, 31$

d) $\sqrt[2]{28}$ and $\sqrt{120}$

Sol: 1 \Rightarrow number $\Rightarrow 7$

e) $\sqrt[2]{8}$ and $\sqrt{400}$

7 \Rightarrow numbers $\Rightarrow 3, 5, 7, 11, 13, 17, 19$ 4