

Maths Assignment.

Date: _____

Day: _____

CSS - 2021 - Find the missing term.

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

b) 4, 18, _____, 100, 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, 64, 125, 1296, 2401

i) 2, 5, 12, 24, 48, _____

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

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Find the missing letters.

1) BCB, DED, FGF, HHH, 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, LCM, MDN, NEO

6) ELFA, GLHA, ILJA, KLLAMLNA

(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) $\sqrt[3]{10}$ and $\sqrt[3]{410}$

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

c) $\sqrt{10}$ and $\sqrt{999}$

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

d) $\sqrt[3]{28}$ and $\sqrt{120}$

Sol: 1 number $\Rightarrow 7$

e) $\sqrt[3]{8}$ and $\sqrt{400}$

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