

# 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, 13, 24, 48, \_\_\_\_\_

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, 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, KLLAMLA NA

(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)  $\sqrt{28}$  and  $\sqrt{120}$

Sol: 1 number  $\Rightarrow 7$

e)  $\sqrt{8}$  and  $\sqrt{400}$

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