



STEPPING STONE SCHOOL (HIGH)

Sub → MATHEMATICS . CLASS - X

ANSWERS OF WS-19 To WS-23:

Date - 27.06.20

Worksheet - 19:

Q1) Proof . Q2) 3, 5, 7 or 7, 5, 3 .

Q3) $a = 24$, $d = \pm 6$ and the numbers are: —
6, 18, 30, 42 or, 42, 30, 18, 6

Q4) 3,900 and 44,500 . Q5) 408 . Q6) Proof

Q7) 200 .

"Worksheet - 20"

Q1) . Ap is -3, 7, 17 , $a_{15} = 137$.

Q2) Diff. of 80th terms = Diff between 50th terms
= 50 .

Q3) Ap is: 1, -1, -3, -5

Q4) $a = 4$, $d = \pm 1$: numbers are 3, 4, 5 or
5, 4, 3 . Q5) Proof . Q6) Proof

"Worksheet 21"

Q1) $\frac{4}{6561}$. Q2) 12 . Q3) Using $x = -4$; fourth
term = $-27\frac{1}{2}$

P.T.O

WS-21

Q4) 1024 .

Q5) Proof: show, $y^2 = 3x$

Q6) 81 .

WS-22

Q1) 2, 6, 18 or 18, 6, 2 . Q2) 1, 7, 13 or 25, 7, -11 .

Q3) 4, 12, 36, 108 or

108, 36, 12, 4 . Q5) Proof: . Q6) $n=10$

Worksheet-23

Q1. Proof:

Q2) Proof: . Q3) Proof.

Q4) Proof .

Q5) The length of edges are -

3, 6, 12 cm. . Q6) Proof.

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