

26.5

1 α) $\sqrt[5]{125} = 5^{\frac{3}{5}}$

β) $\frac{1}{\sqrt[3]{25}} = 5^{-\frac{2}{3}}$

2 5^2

3 5^3

4 5^4

5 5^{-2}

6 5^{-4}

7 5^{-3}

8 $5^{\frac{2}{3}}$

9 $5^{\frac{4}{17}}$

10 $5^{\frac{3}{7}}$

11 $5^{\frac{1}{6}}$

12 $5^{\frac{3}{2}}$

13 $5^{\frac{1}{2}}$

14 $5^{\frac{-3}{7}}$

15 $5^{\frac{-4}{3}}$

16 $5^{\frac{-3}{5}}$

17 $5^{\frac{-2}{9}}$

18 $5^{\frac{-4}{7}}$

19 $5^{\frac{-3}{2}}$

20 $5^{\frac{-1}{2}}$