

Nama Siswa :
Kelas :

Latihan Soal Akar Pangkat Tiga

A. Lengkapi soal di bawah ini dengan drag dan drop jawaban yang telah disediakan.

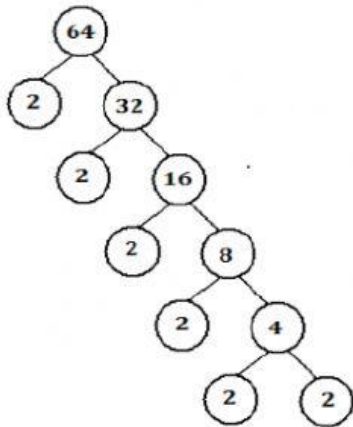
1	$\sqrt[3]{1} = \dots$	6	$\sqrt[3]{216} = \dots$
2	$\sqrt[3]{8} = \dots$	7	$\sqrt[3]{343} = \dots$
3	$\sqrt[3]{27} = \dots$	8	$\sqrt[3]{512} = \dots$
4	$\sqrt[3]{64} = \dots$	9	$\sqrt[3]{243} = \dots$
5	$\sqrt[3]{125} = \dots$	10	$\sqrt[3]{1.000} = \dots$

1 8
4 7
9 3
6 5
10 2

B. Tentukan akar pangkat tiga di bawah ini menggunakan Faktorisasi Prima.

Contoh :

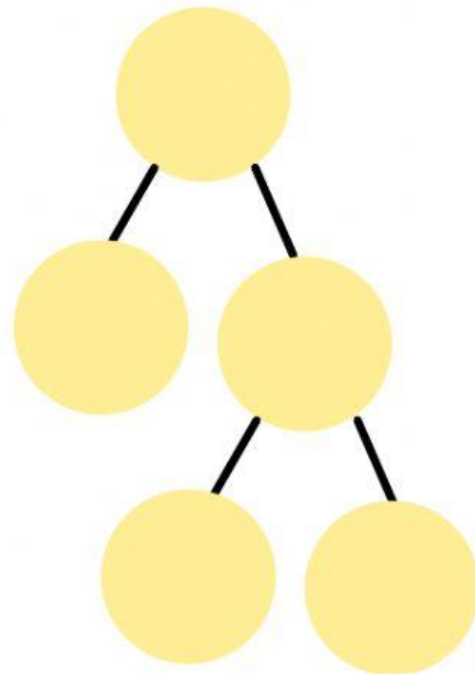
$$\sqrt[3]{64} = \dots$$



$$\begin{aligned}\sqrt[3]{64} &= \sqrt[3]{2 \times 2 \times 2 \times 2 \times 2 \times 2} \\ &= \sqrt[3]{2^3 \times 2^3} \\ &= 2 \times 2 \\ &= 4\end{aligned}$$

$$\text{Jadi } \sqrt[3]{64} = 4$$

$$\sqrt[3]{1.331} = \dots$$

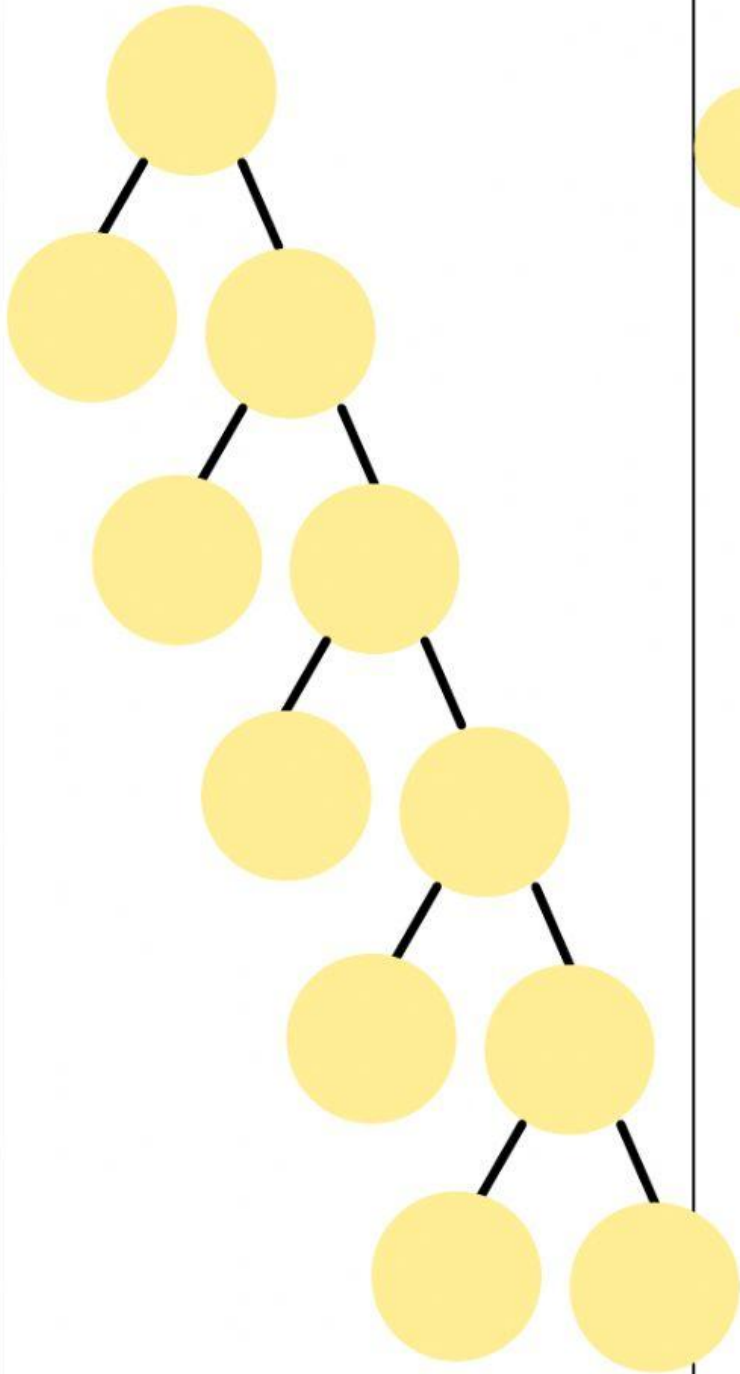


$$\sqrt[3]{1.331} = \sqrt[3]{\dots \times \dots \times \dots}$$

$$\sqrt[3]{1.331} = \sqrt[3]{\dots^3} = \dots$$

$$\text{Jadi } \sqrt[3]{1.331} = \dots$$

$$\sqrt[3]{3.375} = \dots$$

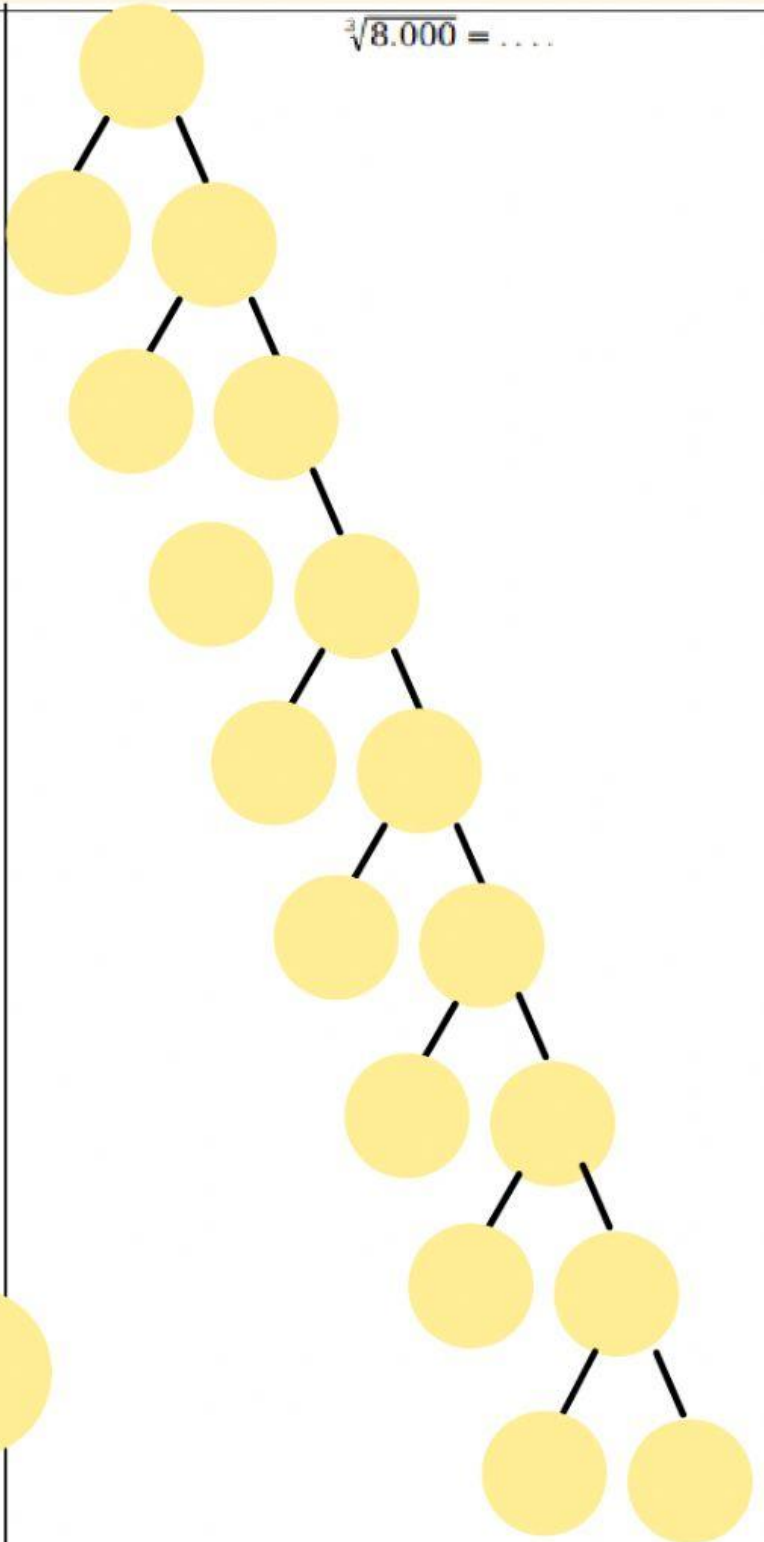


$$\sqrt[3]{3.375} = \sqrt[3]{\dots \times \dots \times \dots \times \dots \times \dots \times \dots \times \dots}$$

$$\sqrt[3]{3.375} = \sqrt[3]{\dots^3 \times \dots^3} = \dots \times \dots = \dots$$

$$\text{Jadi } \sqrt[3]{3.375} = \dots$$

$$\sqrt[3]{8.000} = \dots$$

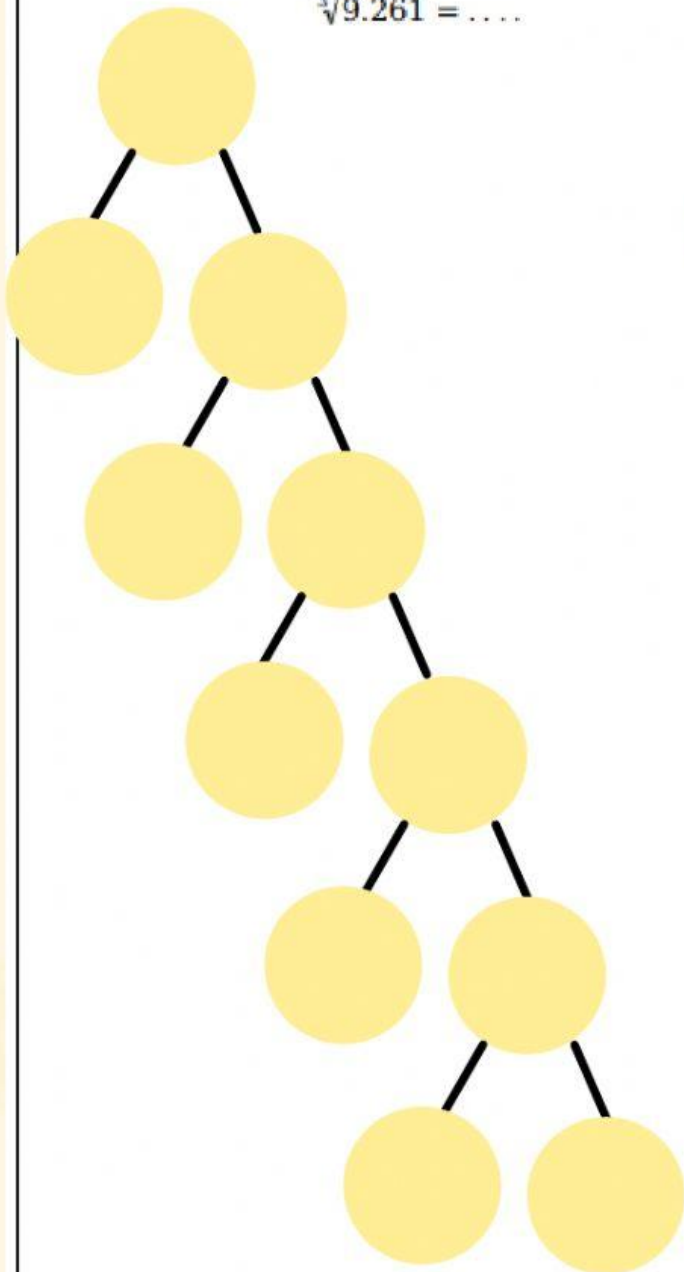


$$\sqrt[3]{8.000} = \sqrt[3]{\dots \times \dots \times \dots \times \dots \times \dots \times \dots \times \dots}$$

$$\sqrt[3]{8.000} = \sqrt[3]{\dots^3 \times \dots^3 \times \dots^3} = \dots \times \dots \times \dots = \dots$$

$$\text{Jadi } \sqrt[3]{8.000} = \dots$$

$$\sqrt[3]{9.261} = \dots$$

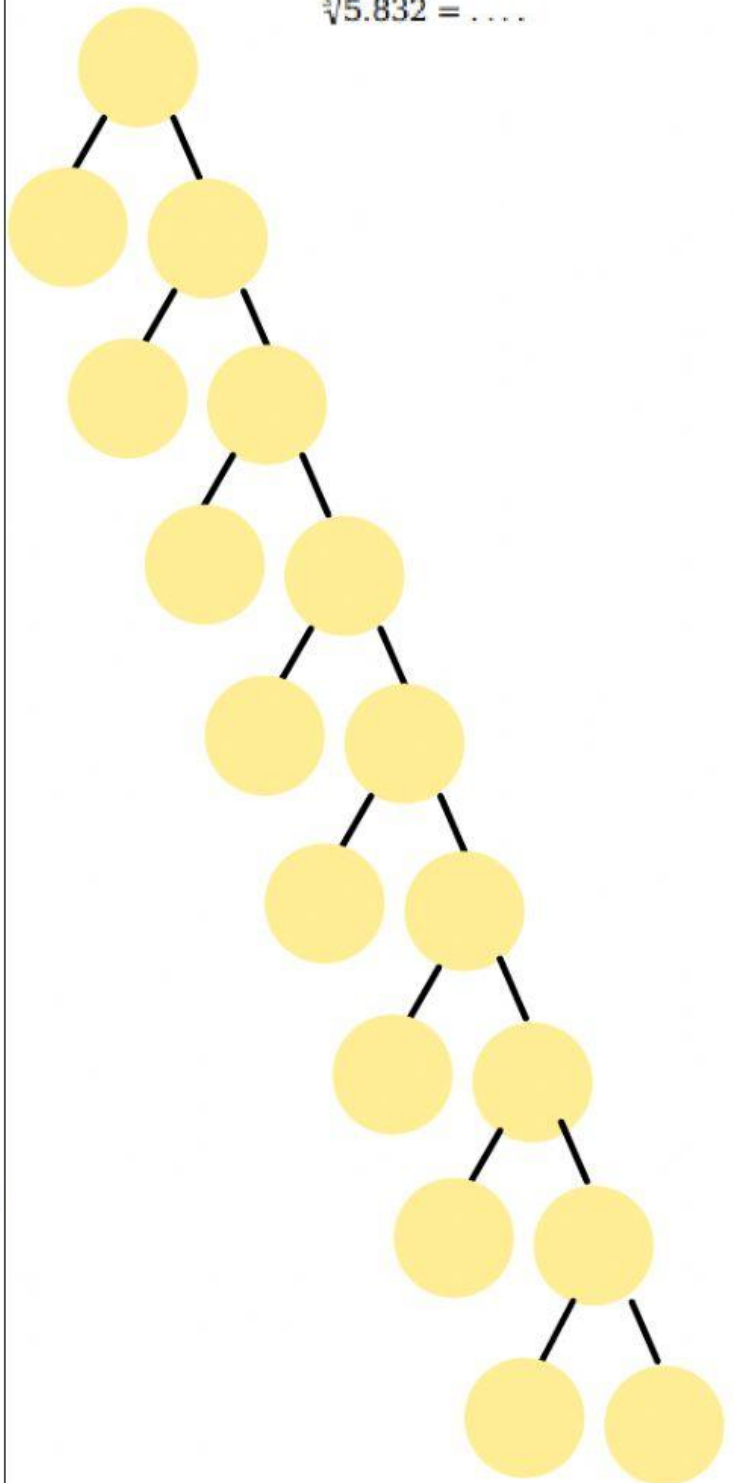


$$\sqrt[3]{9.261} = \sqrt[3]{\dots \times \dots \times \dots \times \dots \times \dots \times \dots}$$

$$\sqrt[3]{9.261} = \sqrt[3]{\dots^3 \times \dots^3} = \dots \times \dots = \dots$$

$$\text{Jadi } \sqrt[3]{9.261} = \dots$$

$$\sqrt[3]{5.832} = \dots$$



$$\sqrt[3]{5.832} = \sqrt[3]{\dots \times \dots \times \dots \times \dots \times \dots \times \dots \times \dots \times \dots}$$

$$\sqrt[3]{5.832} = \sqrt[3]{\dots^3 \times \dots^3 \times \dots^3} = \dots \times \dots \times \dots = \dots$$

$$\text{Jadi } \sqrt[3]{5.832} = \dots$$