

Nama:

Kelas:

## LKPD

### MENYEDERHANAKAN BENTUK AKAR

| <div> <b>Nilai Akar</b> </div><br>dari $\sqrt{4}$ sampai dengan $\sqrt{169}$ |            |                   |            |                   |            |                   |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------|------------|-------------------|------------|-------------------|------------|
| Bilangan                                                                                                                                                                                                                                         | Nilai Akar | Bilangan          | Nilai Akar | Bilangan          | Nilai Akar | Bilangan          | Nilai Akar |
| $\sqrt{4} = 2$                                                                                                                                                                                                                                   |            | $\sqrt{16} = 4$   |            | $\sqrt{64} = 8$   |            | $\sqrt{100} = 10$ |            |
| $\sqrt{9} = 3$                                                                                                                                                                                                                                   |            | $\sqrt{25} = 5$   |            | $\sqrt{81} = 9$   |            | $\sqrt{121} = 11$ |            |
| $\sqrt{16} = 4$                                                                                                                                                                                                                                  |            | $\sqrt{36} = 6$   |            | $\sqrt{100} = 10$ |            | $\sqrt{144} = 12$ |            |
| $\sqrt{25} = 5$                                                                                                                                                                                                                                  |            | $\sqrt{49} = 7$   |            | $\sqrt{121} = 11$ |            | $\sqrt{169} = 13$ |            |
| $\sqrt{36} = 6$                                                                                                                                                                                                                                  |            | $\sqrt{64} = 8$   |            | $\sqrt{144} = 12$ |            |                   |            |
| $\sqrt{49} = 7$                                                                                                                                                                                                                                  |            | $\sqrt{81} = 9$   |            | $\sqrt{169} = 13$ |            |                   |            |
| $\sqrt{64} = 8$                                                                                                                                                                                                                                  |            | $\sqrt{100} = 10$ |            |                   |            |                   |            |
| $\sqrt{81} = 9$                                                                                                                                                                                                                                  |            | $\sqrt{121} = 11$ |            |                   |            |                   |            |
| $\sqrt{100} = 10$                                                                                                                                                                                                                                |            | $\sqrt{144} = 12$ |            |                   |            |                   |            |
| $\sqrt{121} = 11$                                                                                                                                                                                                                                |            | $\sqrt{169} = 13$ |            |                   |            |                   |            |
| $\sqrt{144} = 12$                                                                                                                                                                                                                                |            |                   |            |                   |            |                   |            |
| $\sqrt{169} = 13$                                                                                                                                                                                                                                |            |                   |            |                   |            |                   |            |

Akar dari bilangan kuadrat sempurna adalah bilangan bulat.

Sederhanakan Bentuk akar  $\sqrt{45}$

Langkah 1. Mengubah 45 menjadi perkalian yang memiliki nilai akar

$$\sqrt{45} = \sqrt{\dots \times \dots}$$

Langkah 2. Mengubah angka didalam akar menjadi nilai akar

$$\begin{aligned}\sqrt{\dots \times \dots} &= \sqrt{\dots} \times \sqrt{\dots} \\ &= \dots \sqrt{\dots}\end{aligned}$$