

LEMBAR KERJA PESERTA DIDIK (LKPD)

Materi : Pembagian bentuk akar (Merasionalkan)

Nama :

Kelas :

No. Absen :

Petunjuk : Klik pada kotak yang kosong dan, tuliskan jawabanmu.

Kerjakan soal latihan berikut dengan benar !

$$\begin{aligned} \text{a. } \frac{6}{\sqrt{2}} &= \frac{6}{\sqrt{2}} \times \frac{\sqrt{2}}{\sqrt{2}} \\ &= \frac{\sqrt{2}}{\sqrt{4}} \\ &= \frac{\sqrt{2}}{2} \\ &= \sqrt{\quad} \end{aligned}$$

$$\begin{aligned} \text{b. } \frac{12}{2\sqrt{3}} &= \frac{12}{2\sqrt{3}} \times \frac{\sqrt{3}}{\sqrt{3}} \\ &= \frac{\sqrt{3}}{2\sqrt{9}} \\ &= \frac{\sqrt{3}}{2 \times 3} \\ &= \frac{\sqrt{3}}{\quad} \end{aligned}$$

$$\begin{aligned}
 &= \sqrt{\quad} \\
 \text{c. } &\frac{3}{2+\sqrt{5}} \\
 &= \frac{3}{2+\sqrt{5}} \times \frac{2-\sqrt{5}}{2-\sqrt{5}} \\
 &= \frac{3(2-\sqrt{5})}{2^2-(\sqrt{5})^2} \\
 &= \frac{(2-\sqrt{5})}{-\sqrt{25}} \\
 &= \frac{(2-\sqrt{5})}{4-5} \\
 &= \frac{(2-\sqrt{5})}{-1} \\
 &= (2+\sqrt{5})
 \end{aligned}$$