

Activités Mentales

24 Août 2023

Question 1

Simplifier la racine $\sqrt{150}$.

Question 2

Simplifier la racine $\sqrt{144}$.

Question 3

Simplifier la racine $\sqrt{124}$.

Question 4

Simplifier la racine $\sqrt{60}$.

Question 5

Simplifier la racine $\sqrt{28}$.

Correction 1

$$\sqrt{150} = \sqrt{25 \times 6} = \sqrt{(5)^2 \times 6} = \sqrt{(5)^2} \times \sqrt{6} = 5\sqrt{6}$$

Correction 2

$$\sqrt{144} = \sqrt{(12)^2} = 12$$

Correction 3

$$\sqrt{124} = \sqrt{4 \times 31} = \sqrt{(2)^2 \times 31} = \sqrt{(2)^2} \times \sqrt{31} = 2\sqrt{31}$$

Correction 4

$$\sqrt{60} = \sqrt{4 \times 15} = \sqrt{(2)^2 \times 15} = \sqrt{(2)^2} \times \sqrt{15} = 2\sqrt{15}$$

Correction 5

$$\sqrt{28} = \sqrt{4 \times 7} = \sqrt{(2)^2 \times 7} = \sqrt{(2)^2} \times \sqrt{7} = 2\sqrt{7}$$