





Find the positive value of x.

1)  $x^2 = 1$

$$\sqrt{x^2} =$$

$$\sqrt{1}$$

$$x = \sqrt{1}$$

2)  $x^2 = 100$

$$\sqrt{x^2} =$$

$$\sqrt{100}$$

$$x = \sqrt{100}$$

3)  $x^3 = 729$

$$\sqrt[3]{x^3} = \sqrt[3]{729}$$

$$x = \sqrt[3]{729}$$

4)  $x^3 = 27$

$$\sqrt[3]{x^3} = \sqrt[3]{27}$$

$$x = \sqrt[3]{27}$$

5)  $x^3 = 512$

$$\sqrt[3]{x^3} = \sqrt[3]{512}$$

$$x = \sqrt[3]{512}$$

6)  $x^2 = 49$

$$\sqrt{x^2} =$$

$$\sqrt{49}$$

$$x = \sqrt{49}$$

7)  $x^2 = 36$

$$\sqrt{x^2} =$$

$$\sqrt{36}$$

$$x = \sqrt{36}$$

8)  $x^3 = 216$

$$\sqrt[3]{x^3} = \sqrt[3]{216}$$

$$x = \sqrt[3]{216}$$

9)  $x^2 = 64$

$$\sqrt{x^2} =$$

$$\sqrt{64}$$

$$x = \sqrt{64}$$

10)  $x^2 = 121$

$$\sqrt{x^2} =$$

$$\sqrt{121}$$

$$x = \sqrt{121}$$

11)  $x^2 = 16$

$$\sqrt{x^2} =$$

$$\sqrt{16}$$

$$x = \sqrt{16}$$

12)  $x^3 = 64$

$$\sqrt[3]{x^3} = \sqrt[3]{64}$$

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

13)  $x^2 = 81$

$$\sqrt{x^2} =$$

$$\sqrt{81}$$

$$x = \sqrt{81}$$

14)  $x^2 = 4$

$$\sqrt{x^2} =$$

$$\sqrt{4}$$

$$x = \sqrt{4}$$

15)  $x^2 = 25$

$$\sqrt{x^2} =$$

$$\sqrt{25}$$

$$x = \sqrt{25}$$

16)  $x^2 = 144$

$$\sqrt{x^2} =$$

$$\sqrt{144}$$

$$x = \sqrt{144}$$

17)  $x^3 = 1$

$$\sqrt[3]{x^3} = \sqrt[3]{1}$$

$$x = \sqrt[3]{1}$$

18)  $x^3 = 8$

$$\sqrt[3]{x^3} = \sqrt[3]{8}$$

$$x = \sqrt[3]{8}$$

19)  $x^3 = 1,000$

$$\sqrt[3]{x^3} = \sqrt[3]{1,000}$$

$$x = \sqrt[3]{1,000}$$

20)  $x^3 = 343$

$$\sqrt[3]{x^3} = \sqrt[3]{343}$$

$$x = \sqrt[3]{343}$$

21)  $x^3 = 125$

$$\sqrt[3]{x^3} = \sqrt[3]{125}$$

$$x = \sqrt[3]{125}$$

**Answers**

1. 1

2. 10

3. 9

4. 3

5. 8

6. 7

7. 6

8. 6

9. 8

10. 11

11. 4

12. 4

13. 9

14. 2

15. 5

16. 12

17. 1

18. 2

19. 10

20. 7

21. 5