





Find the positive value of x.

1)  $x^3 = 216$

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

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

2)  $x^2 = 121$

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

$$\sqrt{121}$$

$$x = \sqrt{121}$$

3)  $x^2 = 1$

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

$$\sqrt{1}$$

$$x = \sqrt{1}$$

4)  $x^3 = 1$

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

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

5)  $x^2 = 64$

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

$$\sqrt{64}$$

$$x = \sqrt{64}$$

6)  $x^3 = 27$

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

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

7)  $x^2 = 25$

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

$$\sqrt{25}$$

$$x = \sqrt{25}$$

8)  $x^2 = 16$

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

$$\sqrt{16}$$

$$x = \sqrt{16}$$

9)  $x^3 = 512$

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

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

10)  $x^3 = 729$

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

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

11)  $x^3 = 343$

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

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

12)  $x^2 = 81$

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

$$\sqrt{81}$$

$$x = \sqrt{81}$$

13)  $x^3 = 1,000$

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

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

14)  $x^2 = 49$

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

$$\sqrt{49}$$

$$x = \sqrt{49}$$

15)  $x^2 = 144$

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

$$\sqrt{144}$$

$$x = \sqrt{144}$$

16)  $x^2 = 100$

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

$$\sqrt{100}$$

$$x = \sqrt{100}$$

17)  $x^3 = 8$

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

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

18)  $x^3 = 64$

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

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

19)  $x^2 = 4$

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

$$\sqrt{4}$$

$$x = \sqrt{4}$$

20)  $x^2 = 36$

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

$$\sqrt{36}$$

$$x = \sqrt{36}$$

21)  $x^2 = 9$

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

$$\sqrt{9}$$

$$x = \sqrt{9}$$

**Answers**

1. 6

2. 11

3. 1

4. 1

5. 8

6. 3

7. 5

8. 4

9. 8

10. 9

11. 7

12. 9

13. 10

14. 7

15. 12

16. 10

17. 2

18. 4

19. 2

20. 6

21. 3