



Find the positive value of x.

1) $x^2 = 4$

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

$$\sqrt{4}$$

$$x = \sqrt{4}$$

2) $x^2 = 9$

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

$$\sqrt{9}$$

$$x = \sqrt{9}$$

3) $x^3 = 125$

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

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

4) $x^2 = 144$

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

$$\sqrt{144}$$

$$x = \sqrt{144}$$

5) $x^2 = 49$

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

$$\sqrt{49}$$

$$x = \sqrt{49}$$

6) $x^3 = 64$

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

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

7) $x^2 = 81$

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

$$\sqrt{81}$$

$$x = \sqrt{81}$$

8) $x^2 = 25$

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

$$\sqrt{25}$$

$$x = \sqrt{25}$$

9) $x^3 = 1$

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

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

10) $x^3 = 1,000$

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

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

11) $x^3 = 8$

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

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

12) $x^3 = 512$

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

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

13) $x^2 = 64$

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

$$\sqrt{64}$$

$$x = \sqrt{64}$$

14) $x^3 = 343$

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

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

15) $x^3 = 216$

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

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

16) $x^2 = 121$

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

$$\sqrt{121}$$

$$x = \sqrt{121}$$

17) $x^2 = 100$

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

$$\sqrt{100}$$

$$x = \sqrt{100}$$

18) $x^3 = 729$

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

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

19) $x^2 = 36$

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

$$\sqrt{36}$$

$$x = \sqrt{36}$$

20) $x^2 = 16$

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

$$\sqrt{16}$$

$$x = \sqrt{16}$$

21) $x^3 = 27$

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

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

Answers1. 22. 33. 54. 125. 76. 47. 98. 59. 110. 1011. 212. 813. 814. 715. 616. 1117. 1018. 919. 620. 421. 3



Find the positive value of x.

1) $x^2 = 1$

$$\begin{aligned}\sqrt{x^2} &= \\ \sqrt{1} & \\ x &= \sqrt{1}\end{aligned}$$

2) $x^2 = 100$

$$\begin{aligned}\sqrt{x^2} &= \\ \sqrt{100} & \\ x &= \sqrt{100}\end{aligned}$$

3) $x^3 = 729$

$$\begin{aligned}\sqrt[3]{x^3} &= \sqrt[3]{729} \\ x &= \sqrt[3]{729}\end{aligned}$$

4) $x^3 = 27$

$$\begin{aligned}\sqrt[3]{x^3} &= \sqrt[3]{27} \\ x &= \sqrt[3]{27}\end{aligned}$$

5) $x^3 = 512$

$$\begin{aligned}\sqrt[3]{x^3} &= \sqrt[3]{512} \\ x &= \sqrt[3]{512}\end{aligned}$$

6) $x^2 = 49$

$$\begin{aligned}\sqrt{x^2} &= \\ \sqrt{49} & \\ x &= \sqrt{49}\end{aligned}$$

7) $x^2 = 36$

$$\begin{aligned}\sqrt{x^2} &= \\ \sqrt{36} & \\ x &= \sqrt{36}\end{aligned}$$

8) $x^3 = 216$

$$\begin{aligned}\sqrt[3]{x^3} &= \sqrt[3]{216} \\ x &= \sqrt[3]{216}\end{aligned}$$

9) $x^2 = 64$

$$\begin{aligned}\sqrt{x^2} &= \\ \sqrt{64} & \\ x &= \sqrt{64}\end{aligned}$$

10) $x^2 = 121$

$$\begin{aligned}\sqrt{x^2} &= \\ \sqrt{121} & \\ x &= \sqrt{121}\end{aligned}$$

11) $x^2 = 16$

$$\begin{aligned}\sqrt{x^2} &= \\ \sqrt{16} & \\ x &= \sqrt{16}\end{aligned}$$

12) $x^3 = 64$

$$\begin{aligned}\sqrt[3]{x^3} &= \sqrt[3]{64} \\ x &= \sqrt[3]{64}\end{aligned}$$

13) $x^2 = 81$

$$\begin{aligned}\sqrt{x^2} &= \\ \sqrt{81} & \\ x &= \sqrt{81}\end{aligned}$$

14) $x^2 = 4$

$$\begin{aligned}\sqrt{x^2} &= \\ \sqrt{4} & \\ x &= \sqrt{4}\end{aligned}$$

15) $x^2 = 25$

$$\begin{aligned}\sqrt{x^2} &= \\ \sqrt{25} & \\ x &= \sqrt{25}\end{aligned}$$

16) $x^2 = 144$

$$\begin{aligned}\sqrt{x^2} &= \\ \sqrt{144} & \\ x &= \sqrt{144}\end{aligned}$$

17) $x^3 = 1$

$$\begin{aligned}\sqrt[3]{x^3} &= \sqrt[3]{1} \\ x &= \sqrt[3]{1}\end{aligned}$$

18) $x^3 = 8$

$$\begin{aligned}\sqrt[3]{x^3} &= \sqrt[3]{8} \\ x &= \sqrt[3]{8}\end{aligned}$$

19) $x^3 = 1,000$

$$\begin{aligned}\sqrt[3]{x^3} &= \sqrt[3]{1,000} \\ x &= \sqrt[3]{1,000}\end{aligned}$$

20) $x^3 = 343$

$$\begin{aligned}\sqrt[3]{x^3} &= \sqrt[3]{343} \\ x &= \sqrt[3]{343}\end{aligned}$$

21) $x^3 = 125$

$$\begin{aligned}\sqrt[3]{x^3} &= \sqrt[3]{125} \\ x &= \sqrt[3]{125}\end{aligned}$$

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



Find the positive value of x.

1) $x^2 = 16$

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

$$\sqrt{16}$$

$$x = \sqrt{16}$$

2) $x^2 = 36$

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

$$\sqrt{36}$$

$$x = \sqrt{36}$$

3) $x^2 = 9$

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

$$\sqrt{9}$$

$$x = \sqrt{9}$$

4) $x^2 = 49$

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

$$\sqrt{49}$$

$$x = \sqrt{49}$$

5) $x^2 = 81$

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

$$\sqrt{81}$$

$$x = \sqrt{81}$$

6) $x^3 = 125$

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

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

7) $x^2 = 144$

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

$$\sqrt{144}$$

$$x = \sqrt{144}$$

8) $x^3 = 64$

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

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

9) $x^3 = 343$

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

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

10) $x^3 = 27$

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

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

11) $x^2 = 64$

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

$$\sqrt{64}$$

$$x = \sqrt{64}$$

12) $x^3 = 512$

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

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

13) $x^3 = 216$

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

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

14) $x^2 = 121$

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

$$\sqrt{121}$$

$$x = \sqrt{121}$$

15) $x^2 = 4$

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

$$\sqrt{4}$$

$$x = \sqrt{4}$$

16) $x^3 = 1,000$

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

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

17) $x^3 = 729$

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

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

18) $x^2 = 25$

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

$$\sqrt{25}$$

$$x = \sqrt{25}$$

19) $x^2 = 1$

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

$$\sqrt{1}$$

$$x = \sqrt{1}$$

20) $x^3 = 1$

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

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

21) $x^3 = 8$

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

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

Answers

1. 4

2. 6

3. 3

4. 7

5. 9

6. 5

7. 12

8. 4

9. 7

10. 3

11. 8

12. 8

13. 6

14. 11

15. 2

16. 10

17. 9

18. 5

19. 1

20. 1

21. 2



Find the positive value of x.

Answers

1) $x^2 = 1$

$\sqrt{x^2} =$

$\sqrt{1}$

$x = \sqrt{1}$

2) $x^2 = 64$

$\sqrt{x^2} =$

$\sqrt{64}$

$x = \sqrt{64}$

3) $x^2 = 9$

$\sqrt{x^2} =$

$\sqrt{9}$

$x = \sqrt{9}$

4) $x^2 = 36$

$\sqrt{x^2} =$

$\sqrt{36}$

$x = \sqrt{36}$

5) $x^3 = 64$

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

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

6) $x^2 = 25$

$\sqrt{x^2} =$

$\sqrt{25}$

$x = \sqrt{25}$

7) $x^2 = 49$

$\sqrt{x^2} =$

$\sqrt{49}$

$x = \sqrt{49}$

8) $x^2 = 4$

$\sqrt{x^2} =$

$\sqrt{4}$

$x = \sqrt{4}$

9) $x^2 = 100$

$\sqrt{x^2} =$

$\sqrt{100}$

$x = \sqrt{100}$

10) $x^3 = 27$

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

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

11) $x^3 = 512$

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

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

12) $x^3 = 343$

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

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

13) $x^3 = 216$

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

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

14) $x^2 = 121$

$\sqrt{x^2} =$

$\sqrt{121}$

$x = \sqrt{121}$

15) $x^2 = 16$

$\sqrt{x^2} =$

$\sqrt{16}$

$x = \sqrt{16}$

16) $x^3 = 1$

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

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

17) $x^3 = 125$

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

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

18) $x^3 = 8$

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

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

19) $x^2 = 144$

$\sqrt{x^2} =$

$\sqrt{144}$

$x = \sqrt{144}$

20) $x^3 = 729$

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

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

21) $x^3 = 1,000$

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

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

1. 12. 83. 34. 65. 46. 57. 78. 29. 1010. 311. 812. 713. 614. 1115. 416. 117. 518. 219. 1220. 921. 10



Find the positive value of x.

1) $x^2 = 9$

$$\sqrt{x^2} = \sqrt{9}$$

$$x = \sqrt{9}$$

2) $x^3 = 125$

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

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

3) $x^2 = 4$

$$\sqrt{x^2} = \sqrt{4}$$

$$x = \sqrt{4}$$

4) $x^3 = 216$

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

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

5) $x^3 = 27$

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

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

6) $x^3 = 1$

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

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

7) $x^3 = 8$

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

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

8) $x^3 = 64$

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

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

9) $x^2 = 25$

$$\sqrt{x^2} = \sqrt{25}$$

$$x = \sqrt{25}$$

10) $x^2 = 1$

$$\sqrt{x^2} = \sqrt{1}$$

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

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$$\sqrt{x^2} = \sqrt{121}$$

$$x = \sqrt{121}$$

18) $x^2 = 49$

$$\sqrt{x^2} = \sqrt{49}$$

$$x = \sqrt{49}$$

19) $x^3 = 1,000$

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

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

20) $x^2 = 64$

$$\sqrt{x^2} = \sqrt{64}$$

$$x = \sqrt{64}$$

21) $x^2 = 81$

$$\sqrt{x^2} = \sqrt{81}$$

$$x = \sqrt{81}$$

Answers

1. 3

2. 5

3. 2

4. 6

5. 3

6. 1

7. 2

8. 4

9. 5

10. 1

11. 12

12. 8

13. 10

14. 9

15. 6

16. 4

17. 11

18. 7

19. 10

20. 8

21. 9



Find the positive value of x.

1) $x^2 = 4$

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

$$\sqrt{4}$$

$$x = \sqrt{4}$$

2) $x^3 = 64$

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

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

3) $x^2 = 100$

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

$$\sqrt{100}$$

$$x = \sqrt{100}$$

4) $x^3 = 216$

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

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

5) $x^2 = 25$

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

$$\sqrt{25}$$

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$$\sqrt{9}$$

$$x = \sqrt{9}$$

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

$$\sqrt{64}$$

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

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

18) $x^3 = 729$

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

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

19) $x^2 = 1$

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

$$\sqrt{1}$$

$$x = \sqrt{1}$$

20) $x^3 = 8$

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

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

21) $x^2 = 36$

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

$$\sqrt{36}$$

$$x = \sqrt{36}$$

Answers1. 22. 43. 104. 65. 56. 37. 88. 49. 710. 1211. 512. 313. 714. 915. 816. 1117. 1018. 919. 120. 221. 6