



Find the positive value of x.

Ex)  $x^2 = 36$

$$\sqrt{x^2} = \sqrt{36}$$

$$x = \sqrt{36}$$

1)  $x^2 = 1$

2)  $x^3 = 125$

3)  $x^3 = 1$

4)  $x^2 = 4$

5)  $x^2 = 144$

6)  $x^2 = 121$

7)  $x^3 = 729$

8)  $x^2 = 25$

9)  $x^3 = 216$

10)  $x^2 = 100$

11)  $x^3 = 27$

12)  $x^2 = 49$

13)  $x^2 = 81$

14)  $x^3 = 1,000$

15)  $x^2 = 9$

16)  $x^3 = 343$

17)  $x^3 = 8$

18)  $x^3 = 512$

19)  $x^2 = 16$

20)  $x^3 = 64$

**Answers**Ex. 6

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

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18. \_\_\_\_\_

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2)  $x^3 = 125$

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

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3)  $x^3 = 1$

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

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

4)  $x^2 = 4$

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$$x = \sqrt{4}$$

5)  $x^2 = 144$

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$$x = \sqrt{144}$$

6)  $x^2 = 121$

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

$$x = \sqrt{121}$$

7)  $x^3 = 729$

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

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

8)  $x^2 = 25$

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

$$x = \sqrt{25}$$

9)  $x^3 = 216$

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

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

10)  $x^2 = 100$

$$\sqrt{x^2} = \sqrt{100}$$

$$x = \sqrt{100}$$

11)  $x^3 = 27$

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

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

12)  $x^2 = 49$

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13)  $x^2 = 81$

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14)  $x^3 = 1,000$

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

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

15)  $x^2 = 9$

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

$$x = \sqrt{9}$$

16)  $x^3 = 343$

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

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

17)  $x^3 = 8$

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

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

18)  $x^3 = 512$

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

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

19)  $x^2 = 16$

$$\sqrt{x^2} = \sqrt{16}$$

$$x = \sqrt{16}$$

20)  $x^3 = 64$

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

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

**Answers**

Ex. 6

1. 1

2. 5

3. 1

4. 2

5. 12

6. 11

7. 9

8. 5

9. 6

10. 10

11. 3

12. 7

13. 9

14. 10

15. 3

16. 7

17. 2

18. 8

19. 4

20. 4



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**Answers**Ex. 6

1. \_\_\_\_\_

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13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_