

6-1 Squares and Cubes

1. 4^2

2. 6^2

3. 3^3

4. 2^3

5. $\left(\frac{1}{3}\right)^3$

6. $\left(\frac{1}{5}\right)^2$

7. $\sqrt{16}$

8. $\sqrt{36}$

9. $\sqrt[3]{64}$

10. $\sqrt[3]{\frac{1}{27}}$

11. $\sqrt{\frac{4}{25}}$

12. $\sqrt[3]{125}$

13. $x^2 = 25$

14. $x^2 = 144$

15. $x^3 = 64$

16. $x^3 = 512$

17. $x^2 = \frac{4}{9}$

18. $x^2 = \frac{9}{16}$

19. $x^3 = \frac{27}{125}$

20. $x^3 = \frac{512}{729}$

21. $x^3 = \frac{216}{343}$

22. $x^3 = 8000$

23. $x^2 = 361$

24. $x^2 = \frac{196}{256}$

25. What is the length of the side of a square with an area of 81 sq. ft.?
26. What is the length of the side of a cube with a volume of 216 cubic ft.?
27. What is the length of the side of a square with an area of 144 sq. in.?
28. What is the length of the side of a cube with a volume of 512 cu. Ft.?
29. What is the length of the side of a cube with a volume of 125 cu. in.?
30. What is the length of the side of a square with an area of 169 sq. ft.?