

第一章 数的开方

练习

1	$\sqrt{64}$	2	$\sqrt{0}$
3	$\sqrt{49}$	4	$\sqrt{81}$
5	$\sqrt{1}$	6	$\sqrt{1.44}$
7	$-\sqrt{200}$	8	$-\sqrt{\frac{25}{196}}$
9	$\sqrt{\frac{49}{196}}$	10	$\sqrt{0.0016}$
11	$-\sqrt{\frac{196}{225}}$	12	$\sqrt{1-\frac{9}{16}}$
13	$x^2=20,x=?$	14	$5x^2=240,x=?$
15	$2x^2+5=19,x=?$	16	$x^2=4,x=?$
17	$x^2+5=167,x=?$	18	$x^2-4=76,x=?$
19	$4x^2=52,x=?$	20	$3(x-4)^2=15,x=?$
21	$(x-3)^2=16,x=?$	22	$(3x-4)^2=42,x=?$
23	$(7x+5)^2=10,x=?$	24	$(5x+1)^2=25,x=?$
25	$(-12)^2=x,x=?$	26	$(5x-1)^2=16,x=?$
27	$(8x-9)^2=6,x=?$	28	$\sqrt{2.25} =$
29	$\sqrt{0.49} =$	30	$\sqrt{0.04} =$
31	$(-0.0003)^2=x,x=?$	32	$a^2+b^2=c^2$
33	$\left(\sqrt{\frac{3}{\pi}}\right)^2 =$	34	$a=5,b=12,c=?$
35	$\sqrt{0.0064} =$	36	$(4)^2-3^2 =$
37	$\sqrt{3}\times\sqrt{12} =$	38	$5^2-(\sqrt{5})^2 =$
39	$\sqrt{0.5}^2 =$	40	$\sqrt{5}\times\sqrt{20} =$

41	$\frac{\sqrt{18}}{\sqrt{2}} =$	42	$\sqrt{\frac{1}{5}} \times \sqrt{\frac{45}{4}} =$
43	$\sqrt{\frac{6}{5}} \div \sqrt{\frac{2}{15}} =$	44	$\frac{\sqrt{75}}{\sqrt{3}} =$
45	$\sqrt{441}$	46	$\sqrt{\frac{27}{8}} \times \sqrt{\frac{2}{3}} =$
47	$\sqrt{\frac{15}{4}} \div \sqrt{\frac{3}{5}} =$	48	$\sqrt{\frac{45}{2}}$
49	$\sqrt{12}$	50	$\sqrt{1764}$
51	$\sqrt{63}$	52	$\sqrt{\frac{75}{7}}$
53	$\sqrt{180}$	54	$\sqrt{24}$
55	$\sqrt{\frac{27}{2}}$	56	$\sqrt{0.0036}$
57	$\sqrt{81 \times 169}$	58	$\sqrt{3 + \frac{1}{16}}$
59	$\sqrt{3} \times \sqrt{\frac{4}{27}}$	60	$\sqrt{8^2 - 2(7)(8) + 7^2} =$
61	$\sqrt{40.44} = 6.359, \sqrt{x} = 0.06359, x = ?$	62	$\sqrt{(-5)^2 - \sqrt{81} + (7)^2}$
63	$\pm \sqrt{2\frac{1}{4}}$	64	$p^2 + q^2 = r^2, q = 12, r = 13, p = ?$
65	$\sqrt[3]{0.027}$	66	$\sqrt[3]{8} =$
67	$\sqrt{2.7} = 1.643, \sqrt{270} - \sqrt[3]{27} =$	68	$\sqrt[3]{1}$
69	$\sqrt[3]{5832}$	70	$\sqrt[3]{1000}$
71	$x^3 = 216, x = ?$	72	$\sqrt[3]{\frac{37}{64} - 1}$
73	$x^3 = 343, x = ?$	74	$\sqrt[3]{0.027}$
75	$\sqrt[3]{4 + \frac{17}{27}}$	76	$8^3 - 5^2 =$
77	$3^2 + \sqrt[3]{729} =$	78	$x^3 = 1, x = ?$

79	$x^3=0.216,x=?$	80	$\sqrt[3]{8000}-\sqrt[3]{512}+10^2=$
81	$8^3\div 2^2=$	82	$\sqrt[3]{1000}-\sqrt[3]{64}$



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