

解答

1. 平方根 2

- (1) $\sqrt{63} < 8$ (2) $8 > \sqrt{62}$ (3) $4 > \sqrt{15}$
- (4) $\sqrt{12} > 3$ (5) $3 < \sqrt{13}$ (6) $\sqrt{48} < 7$
- (7) $-7 > -\sqrt{52}$ (8) $-4 > -\sqrt{20}$ (9) $-\sqrt{41} < -6$
- (10) $\sqrt{255} < 16$ (11) $19 < \sqrt{370}$ (12) $17 > \sqrt{280}$
- (13) $\sqrt{169} = 13$ (14) $\sqrt{219} < 15$ (15) $\sqrt{131} > 11$
- (16) $0.6 = \sqrt{0.36}$ (17) $\frac{10}{9} > \sqrt{\frac{10}{9}}$ (18) $\sqrt{0.81} = 0.9$
- (19) $\frac{8}{9} < \sqrt{\frac{8}{9}}$ (20) $\sqrt{\frac{5}{4}} < \frac{5}{4}$ (21) $0.6 < \sqrt{0.6}$
- (22) $10 > \sqrt{10}$ (23) $\sqrt{\frac{6}{7}} > \frac{6}{7}$ (24) $0.8 = \sqrt{0.64}$
- (25) $\sqrt{7} < 2.65$ (26) $2.21 < \sqrt{5}$ (27) $2.42 < \sqrt{6}$

3. 平方根 2

- (1) $7 = \sqrt{49}$ (2) $\sqrt{67} > 8$ (3) $8 > \sqrt{63}$
- (4) $\sqrt{40} > 6$ (5) $\sqrt{81} = 9$ (6) $6 = \sqrt{36}$
- (7) $-8 > -\sqrt{66}$ (8) $-\sqrt{27} < -5$ (9) $-\sqrt{33} > -6$
- (10) $\sqrt{117} < 11$ (11) $\sqrt{169} = 13$ (12) $12 > \sqrt{141}$
- (13) $19 = \sqrt{361}$ (14) $14 < \sqrt{197}$ (15) $\sqrt{165} < 13$
- (16) $\sqrt{\frac{5}{6}} > \frac{5}{6}$ (17) $\sqrt{6} < 6$ (18) $\sqrt{\frac{10}{9}} < \frac{10}{9}$
- (19) $\sqrt{0.49} = 0.7$ (20) $3 > \sqrt{3}$ (21) $\frac{7}{6} > \sqrt{\frac{7}{6}}$
- (22) $\frac{9}{10} < \sqrt{\frac{9}{10}}$ (23) $0.1 = \sqrt{0.01}$ (24) $0.3 < \sqrt{0.3}$
- (25) $\sqrt{6} < 2.46$ (26) $1.74 > \sqrt{3}$ (27) $2.62 < \sqrt{7}$

2. 平方根 2

- (1) $\sqrt{40} > 6$ (2) $\sqrt{25} = 5$ (3) $6 < \sqrt{38}$
- (4) $5 = \sqrt{25}$ (5) $9 > \sqrt{79}$ (6) $4 > \sqrt{15}$
- (7) $-\sqrt{7} > -3$ (8) $-9 > -\sqrt{82}$ (9) $-7 > -\sqrt{53}$
- (10) $18 = \sqrt{324}$ (11) $19 > \sqrt{351}$ (12) $\sqrt{160} < 13$
- (13) $17 < \sqrt{294}$ (14) $\sqrt{260} > 16$ (15) $19 = \sqrt{361}$
- (16) $\sqrt{3} < 3$ (17) $\frac{9}{8} > \sqrt{\frac{9}{8}}$ (18) $\sqrt{0.01} = 0.1$
- (19) $\sqrt{\frac{4}{3}} < \frac{4}{3}$ (20) $\frac{8}{9} < \sqrt{\frac{8}{9}}$ (21) $4 > \sqrt{4}$
- (22) $0.3 < \sqrt{0.3}$ (23) $\sqrt{0.2} > 0.2$ (24) $0.2 = \sqrt{0.04}$
- (25) $\sqrt{3} < 1.75$ (26) $1.42 > \sqrt{2}$ (27) $\sqrt{5} < 2.24$

4. 平方根 2

- (1) $3 > \sqrt{7}$ (2) $\sqrt{48} < 7$ (3) $\sqrt{14} > 3$
- (4) $7 > \sqrt{47}$ (5) $4 < \sqrt{17}$ (6) $\sqrt{24} < 5$
- (7) $-3 > -\sqrt{10}$ (8) $-\sqrt{79} > -9$ (9) $-\sqrt{53} < -7$
- (10) $\sqrt{130} > 11$ (11) $15 > \sqrt{220}$ (12) $16 = \sqrt{256}$
- (13) $\sqrt{289} = 17$ (14) $12 < \sqrt{154}$ (15) $\sqrt{367} > 19$
- (16) $\sqrt{4} < 4$ (17) $\sqrt{\frac{4}{3}} < \frac{4}{3}$ (18) $\sqrt{0.7} > 0.7$
- (19) $10 > \sqrt{10}$ (20) $\frac{6}{5} > \sqrt{\frac{6}{5}}$ (21) $\frac{6}{7} < \sqrt{\frac{6}{7}}$
- (22) $\sqrt{\frac{5}{6}} > \frac{5}{6}$ (23) $0.4 < \sqrt{0.4}$ (24) $\sqrt{10} < 10$
- (25) $\sqrt{5} < 2.25$ (26) $2.46 > \sqrt{6}$ (27) $1.4 < \sqrt{2}$

5. 平方根 2

- (1) $9 < \sqrt{84}$ (2) $\sqrt{61} < 8$ (3) $5 > \sqrt{21}$
 (4) $\sqrt{82} > 9$ (5) $\sqrt{36} = 6$ (6) $3 = \sqrt{9}$
 (7) $-\sqrt{19} < -4$ (8) $-\sqrt{40} < -6$ (9) $-\sqrt{11} < -3$
 (10) $15 > \sqrt{220}$ (11) $17 = \sqrt{289}$ (12) $\sqrt{139} < 12$
 (13) $\sqrt{361} = 19$ (14) $\sqrt{229} > 15$ (15) $18 < \sqrt{329}$
 (16) $\sqrt{\frac{4}{3}} < \frac{4}{3}$ (17) $0.2 = \sqrt{0.04}$ (18) $\sqrt{0.81} = 0.9$
 (19) $7 > \sqrt{7}$ (20) $\frac{10}{9} > \sqrt{\frac{10}{9}}$ (21) $\frac{6}{7} < \sqrt{\frac{6}{7}}$
 (22) $\sqrt{\frac{9}{10}} > \frac{9}{10}$ (23) $0.8 < \sqrt{0.8}$ (24) $\sqrt{5} < 5$
 (25) $2.62 < \sqrt{7}$ (26) $\sqrt{3} > 1.71$ (27) $\sqrt{5} < 2.25$

7. 平方根 2

- (1) $\sqrt{81} = 9$ (2) $5 < \sqrt{28}$ (3) $\sqrt{38} > 6$
 (4) $\sqrt{49} = 7$ (5) $6 < \sqrt{37}$ (6) $7 > \sqrt{47}$
 (7) $-6 > -\sqrt{41}$ (8) $-\sqrt{62} > -8$ (9) $-\sqrt{28} < -5$
 (10) $13 > \sqrt{163}$ (11) $14 = \sqrt{196}$ (12) $\sqrt{111} < 11$
 (13) $\sqrt{324} = 18$ (14) $\sqrt{258} > 16$ (15) $19 < \sqrt{369}$
 (16) $\frac{3}{4} < \sqrt{\frac{3}{4}}$ (17) $\sqrt{\frac{1}{2}} > \frac{1}{2}$ (18) $7 > \sqrt{7}$
 (19) $\frac{10}{9} > \sqrt{\frac{10}{9}}$ (20) $\sqrt{0.09} = 0.3$ (21) $0.9 < \sqrt{0.9}$
 (22) $\sqrt{0.5} > 0.5$ (23) $\sqrt{\frac{7}{6}} < \frac{7}{6}$ (24) $\frac{2}{3} < \sqrt{\frac{2}{3}}$
 (25) $\sqrt{5} > 2.21$ (26) $\sqrt{6} < 2.46$ (27) $1.4 < \sqrt{2}$

6. 平方根 2

- (1) $6 < \sqrt{39}$ (2) $\sqrt{12} < 4$ (3) $7 > \sqrt{48}$
 (4) $8 = \sqrt{64}$ (5) $\sqrt{7} < 3$ (6) $9 = \sqrt{81}$
 (7) $-\sqrt{86} < -9$ (8) $-\sqrt{52} < -7$ (9) $-\sqrt{15} > -4$
 (10) $\sqrt{163} < 13$ (11) $17 > \sqrt{283}$ (12) $11 = \sqrt{121}$
 (13) $\sqrt{153} > 12$ (14) $19 < \sqrt{371}$ (15) $\sqrt{256} = 16$
 (16) $\sqrt{\frac{7}{6}} < \frac{7}{6}$ (17) $0.2 = \sqrt{0.04}$ (18) $\sqrt{0.81} = 0.9$
 (19) $2 > \sqrt{2}$ (20) $\frac{4}{3} > \sqrt{\frac{4}{3}}$ (21) $\sqrt{0.7} > 0.7$
 (22) $0.2 < \sqrt{0.2}$ (23) $\sqrt{9} < 9$ (24) $\sqrt{\frac{6}{5}} < \frac{6}{5}$
 (25) $2.42 < \sqrt{6}$ (26) $1.42 > \sqrt{2}$ (27) $\sqrt{3} < 1.75$

8. 平方根 2

- (1) $\sqrt{68} > 8$ (2) $3 < \sqrt{14}$ (3) $\sqrt{14} > 3$
 (4) $9 > \sqrt{79}$ (5) $8 = \sqrt{64}$ (6) $\sqrt{12} < 4$
 (7) $-\sqrt{54} < -7$ (8) $-\sqrt{6} > -3$ (9) $-9 > -\sqrt{82}$
 (10) $14 = \sqrt{196}$ (11) $\sqrt{289} = 17$ (12) $12 > \sqrt{134}$
 (13) $\sqrt{117} < 11$ (14) $\sqrt{331} > 18$ (15) $\sqrt{169} = 13$
 (16) $\sqrt{7} < 7$ (17) $\sqrt{\frac{5}{6}} > \frac{5}{6}$ (18) $0.4 = \sqrt{0.16}$
 (19) $\frac{11}{10} > \sqrt{\frac{11}{10}}$ (20) $5 > \sqrt{5}$ (21) $\sqrt{0.3} > 0.3$
 (22) $\sqrt{0.64} = 0.8$ (23) $0.4 < \sqrt{0.4}$ (24) $\sqrt{\frac{6}{5}} < \frac{6}{5}$
 (25) $\sqrt{7} > 2.62$ (26) $\sqrt{5} > 2.22$ (27) $2.46 > \sqrt{6}$