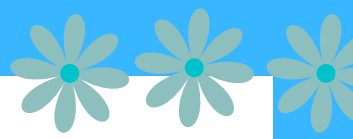


SQUAREROOT



1 Find the value each square root.

a) $\sqrt{121} = \underline{\hspace{2cm}}$ b) $\sqrt{225} = \underline{\hspace{2cm}}$ c) $\sqrt{144} = \underline{\hspace{2cm}}$

d) $\sqrt{289} = \underline{\hspace{2cm}}$ e) $\sqrt{361} = \underline{\hspace{2cm}}$ f) $\sqrt{169} = \underline{\hspace{2cm}}$

2 Evaluate.

a) $\sqrt{4} \times \sqrt{16} = \underline{\hspace{2cm}}$

g) $\sqrt{2} + \sqrt{2} = \underline{\hspace{2cm}}$

b) $\sqrt{25} \times \sqrt{64} = \underline{\hspace{2cm}}$

h) $\sqrt{8} + \sqrt{8} = \underline{\hspace{2cm}}$

c) $\sqrt{2} \times \sqrt{8} = \underline{\hspace{2cm}}$

i) $4\sqrt{5} - 2\sqrt{5} = \underline{\hspace{2cm}}$

d) $\sqrt{6} \times \sqrt{6} = \underline{\hspace{2cm}}$

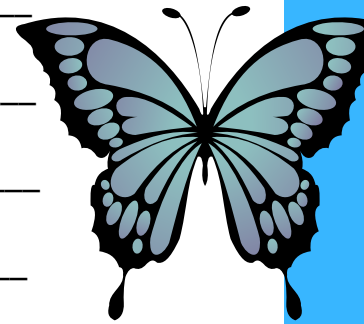
j) $3\sqrt{3} \times 2\sqrt{3} = \underline{\hspace{2cm}}$

e) $\sqrt{5} \times \sqrt{5} = \underline{\hspace{2cm}}$

k) $8\sqrt{2} \times 2\sqrt{2} = \underline{\hspace{2cm}}$

f) $\sqrt{8} \times \sqrt{8} = \underline{\hspace{2cm}}$

l) $6\sqrt{3} - \sqrt{12} = \underline{\hspace{2cm}}$



3 Evaluate the expression when $a = 11$ and $b = 6$.

a. $\sqrt{4a-8} = \underline{\hspace{2cm}}$

b. $\sqrt{24b} = \underline{\hspace{2cm}}$

c. $\sqrt{a^2} = \underline{\hspace{2cm}}$

d. $\sqrt{10b+21} = \underline{\hspace{2cm}}$

e. $\sqrt{b^2} = \underline{\hspace{2cm}}$

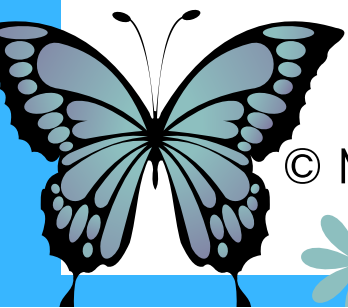
f. $\sqrt{5a+9} = \underline{\hspace{2cm}}$

4 Solve. Round the answers to 2 decimals

a) $\sqrt{163} = \underline{\hspace{2cm}}$ b) $\sqrt{274} = \underline{\hspace{2cm}}$ c) $\sqrt{111} = \underline{\hspace{2cm}}$

d) $\sqrt{102} = \underline{\hspace{2cm}}$ e) $\sqrt{146} = \underline{\hspace{2cm}}$ f) $\sqrt{84} = \underline{\hspace{2cm}}$

g) $\sqrt{130} = \underline{\hspace{2cm}}$ h) $\sqrt{91} = \underline{\hspace{2cm}}$ i) $\sqrt{176} = \underline{\hspace{2cm}}$



SQUARE ROOT

Find the square root:

(1) $\frac{400}{49}$

(2) $\frac{100}{121}$

(3) $\frac{225}{64}$

4) $2\frac{7}{9}$

2. Find the square root by the division method.

i) 2209

ii) 3721

iii) 6889

3. Which of the following is the square root of 676?

i) 28

ii) 26

iii) 22

iv) 27

4. Find the value of $\sqrt{64}$?

i) 7

ii) 8

iii) 5

iv) 4

5. Find the value of $\sqrt{225}$.

i) 15

ii) 13

iii) 17

iv) 21

6. Find the number, when multiplied by itself gives 289

i) 35

ii) 17

iii) 25

iv) 15

7. Find the number, when multiplied by itself gives 121.

i) 6

ii) 11

iii) 8

iv) 16

8. Which of the following is the square root of 1600?

i) 50

ii) 400

iii) 40

iv) 80

9. Evaluate on square root of numbers in decimal form:

i) $\sqrt{42.25}$

ii) $\sqrt{52.5625}$

10. Solve:

i) $\sqrt{36} + \sqrt{16}$

ii) $\sqrt{4} - \sqrt{4}$

iii) $\sqrt{9} + \sqrt{81}$

iv) $\sqrt{60 - 44}$

v) $\sqrt{100 + 125}$

vi) $\sqrt{252 - 83}$