

# Square & Cubic Roots Word Problems

1. A square field has an area of 324 square meters. What is the length of each side of the field?
2. A cubic container has a volume of 343 cubic meters. What is the length of each side of the container?
3. A triangular garden has an area of 16 square meters. If the base of the triangle is 4 meters, what
4. A cube-shaped box has a volume of 125 cubic centimeters. What is the length of each side of the box?
5. A rectangular swimming pool has an area of 144 square meters. If the length of the pool is twice the

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6. A cylindrical water tank has a volume of 27 cubic meters. If the radius of the tank is 1.5 meters, what is

7. A right-angled triangle has a hypotenuse of length 10 meters. If one of the legs of the triangle is 6

8. A cube has a volume of 64 cubic centimeters. What is the surface area of the cube?

9. A rectangular box has a volume of 216 cubic centimeters. If the length of the box is three times the

10. A sphere has a volume of  $36\pi$  cubic centimeters. What is the radius of the sphere?

