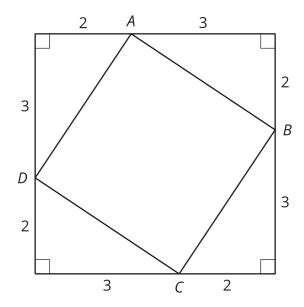
# **Unit 3 Lesson 2: Square Roots and Cube Roots**

## 1 It's a Square (Warm up)

#### **Student Task Statement**

Find the area of square ABCD.



## **2 Squares and Their Side Lengths (Optional)**

#### **Student Task Statement**

1. Complete the table with the area of each square in square units, and its exact side length in units.

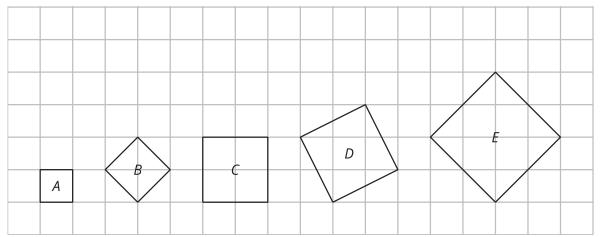


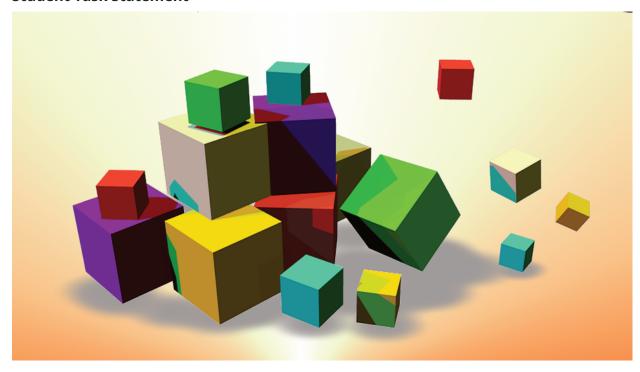
figure	А	В	С	D	Е
area					
side length					

2. This table includes areas in square units and side lengths in units of some more squares. Complete the table.

area	9		23		89
side length		4		6.4	

## 3 Cube It (Optional)

#### **Student Task Statement**



- 1. A cube has edge length 3 units. What is the volume of the cube?
- 2. A cube has edge length 4 units. What is the volume of the cube?
- 3. A cube has volume 8 units. What is the edge length of the cube?
- 4. A cube has volume 7 units. What is the edge length of the cube?

5.  $\sqrt[3]{1,200}$  is between 10 and 11 because  $10^3 = 1,000$  and  $11^3 = 1,331$ . Determine the whole numbers that each of these cube roots lies between:

 $\sqrt[3]{5}$   $\sqrt[3]{10}$   $\sqrt[3]{50}$   $\sqrt[3]{100}$   $\sqrt[3]{500}$ 

between	1 and 2	2 and 3	3 and 4	4 and 5	5 and 6	6 and 7	7 and 8	8 and 9