

Name _____

Date _____

Estimating Square Roots Word Problems Worksheet 1

Direction: Estimate the results to the nearest whole number.

A square lattice window has an area of 622 square inches.

1. How long is each side of the window?
2. If the window is divided into four equal squares, what is the area of each square?
3. How long is each side of those squares?

A yard has a square gate that has an area of 8 square meters.



4. What is the height of the gate in meters?
5. How many feet would that be? (1 meter \approx 3 feet)
6. If each side was 1 foot longer, what would be the area of the gate in square feet?

Carry wants to frame a square picture, which has an area of 950 square inches.

7. How long is each side of the picture?
8. What is the perimeter of the frame?
9. She has another square picture with an area of 1200 square inches. How long is each side of this picture?
10. How much is that in centimeters?

