Estimating Square Roots Word Problems

 Kai uses an entire can of paint on a square backdrop for the school play. The label on the can states that one can covers 27 m² of wall surface. Estimate the backdrop's side length to the nearest tenth.

 A square has an area of 20 cm². Estimate the side length to the nearest tenth.

 While shopping online, Ji Hun find a square rug with an area of 11 m². He needs to know if it will fit in his 4 m by 5 m bedroom.

a. Estimate the side length of the rug to the nearest tenth.

b. Will the rug fit in the bedroom?

4. Alex is thinking of a number. The number has a square root between 7 and 8, and it is a multiple of 12. What is the number(s)?

5. If a square has an area of 100 in², what is the length of one of the sides?

a. What is the perimeter of this square?

6. A yard has a square gate that has an area of 8 m². What is the height of the gate in meters?

7. Carry wants to frame a square picture, which has an area of 950 in². How long is each side of the picture?

a. What is the perimeter of the frame?

8. James wants to buy a new rug for his living room. In a department store he finds a square rug that has an area of 9 m². How long is each side of the rug?

Squares Square Roots Word Problems

Goyal Brothers Prakashan

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