tutorified

4.MD.A.3: Apply the area and perimeter formulas for rectangles.

1. Find the area.

7 cm
4 cm
_____

5 cm
4 cm
_____

2 cm
8 cm
_____

3 cm
4 cm
_____

10 cm
1 cm
_____

7 cm
7 cm
_____

2. Find the side length of each of the following squares with areas:
   a. 4 in^2 _____ c. 49 cm^2 _____ e. 121 cm^2 _____
   b. 9 cm^2 _____ d. 64 in^2 _____ f. 36 cm^2 _____

3. The area of a square shaped floor is 144 ft^2. If the side length of each square tiles is 2 feet, how many tiles will needed to construct the floor?

   Solution:

4. What is the total cost of painting a square shaped wall with side length of 10 feet, if the painting cost \$5 per square foot?

   Solution:

5. The area of a rectangle is 42 cm^2. If its length is 7 cm, find its width.
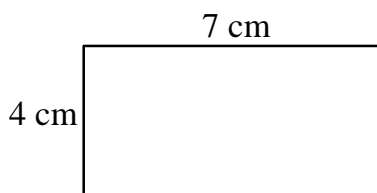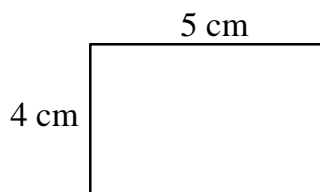
   Solution:

4.MD.A.3 Calculate the Area of a Rectangle

Answer Key

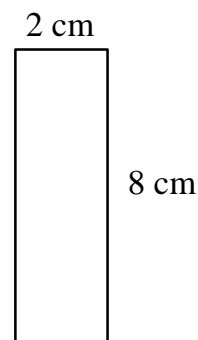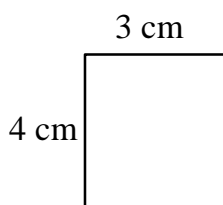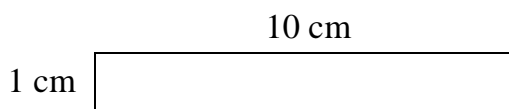4.MD.A.3: Apply the area and perimeter formulas for rectangles.

1. Find the area.

7 cm
4 cm

___28 cm^2___
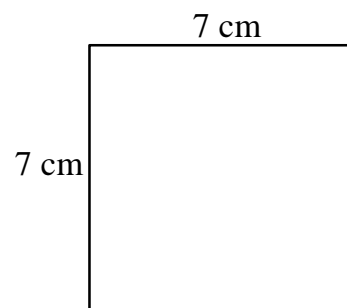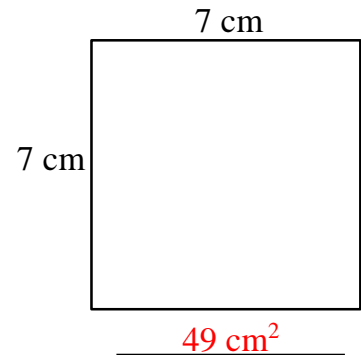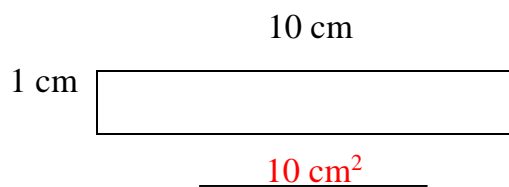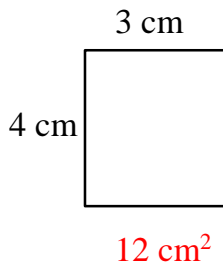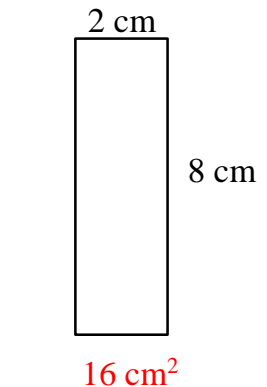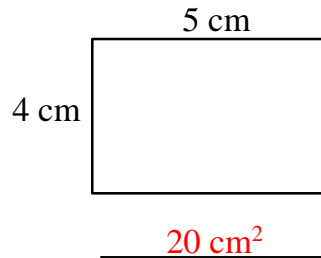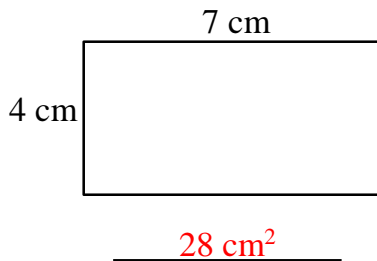
5 cm
4 cm

___20 cm^2___

2 cm
8 cm

___16 cm^2___

3 cm
4 cm

___12 cm^2___

10 cm
1 cm

___10 cm^2___

7 cm
7 cm

___49 cm^2___

2. Find the side length of each of the following squares with areas:
   a. 4 in^2 ___2 in___   c. 49 cm^2 ___7 cm___   e. 121 cm^2 ___11 cm___
   b. 9 cm^2 ___3 cm___   d. 64 in^2 ___8 in___   f. 36 cm^2 ___6 cm___

3. The area of a square shaped floor is 144 ft^2. If the side length of each square tiles is 2 feet, how many tiles will needed to construct the floor?

   36 tiles

4. What is the total cost of painting a square shaped wall with side length of 10 feet, if the painting cost $5 per square foot?

   $500

5. The area of a rectangle is 42 cm^2. If its length is 7 cm, find its width.

   6 cm