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4.MD.A.3 Perimeter and Area of Rectangles – I

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

1. Draw a new figure by changing the dimension of this rectangle, the perimeter remains the same but its area increases.

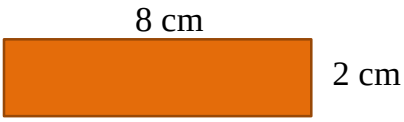
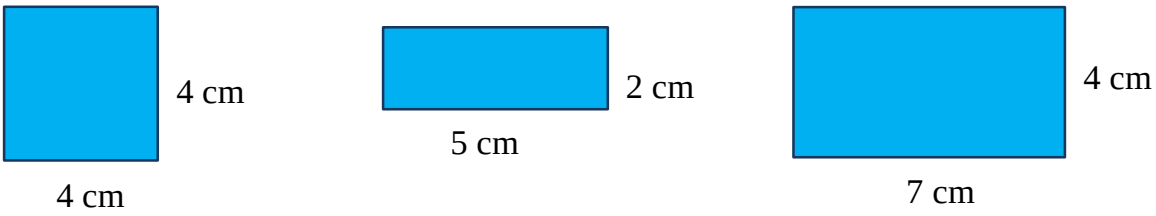


Figure:

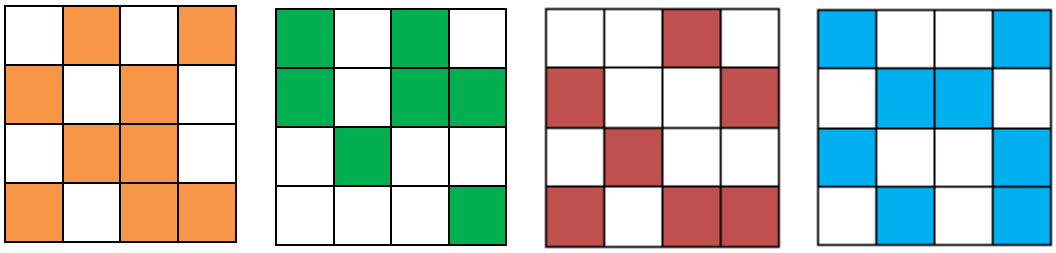
2. Draw a new figure that has the same perimeter but different area for each of the following figures.



Figures:

3. Find the perimeter of each of the following squares with the given areas:
   A. 16 cm^2_____ B. 64 cm^2_____ C. 9 cm^2_____ D. 25 cm^2_____

4. Which of the figures (only colored region) have the same areas?



Solution:

5. The perimeter of a quadrilateral is always equal to its area in magnitude. True or False?

Solution:

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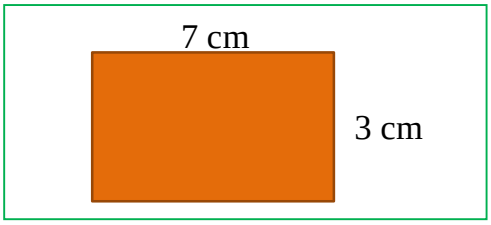
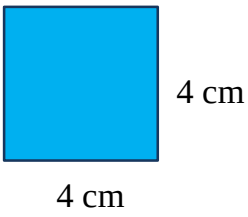
Answer Key

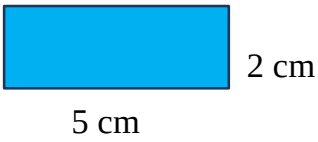
4.MD.A.3: Apply the area and perimeter formulas for rectangles.

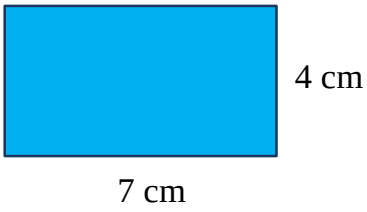
1. Draw a new figure by changing the dimension of this rectangle, the perimeter remains the same but its area increases.

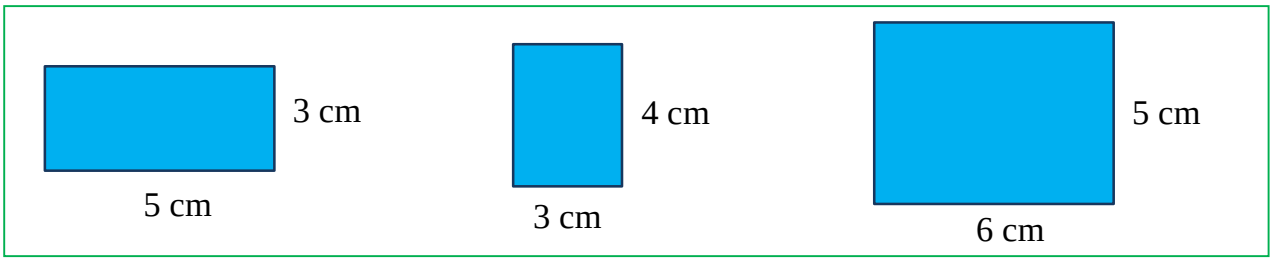


2. Draw a new figure that has the same perimeter but different area for each of the following figures.



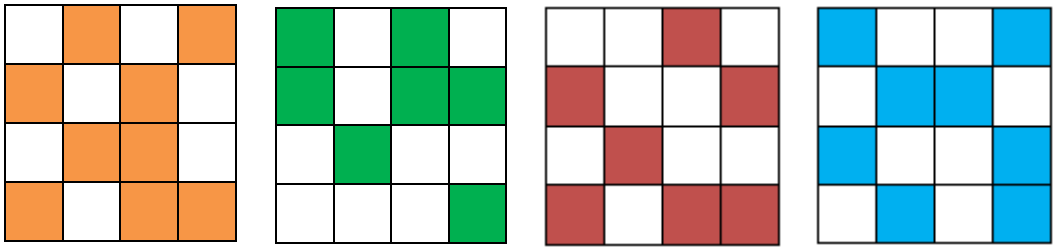






3. Find the perimeter of each of the following squares with the given areas:
   A. 16 cm^2 16 cm B. 64 cm^2 32 cm C. 9 cm^2 12 cm D. 25 cm^2 20 cm

4. Which of the figures (only colored region) have the same areas?



B and C

5. The perimeter of a quadrilateral is always equal to its area in magnitude. True or False?

False