

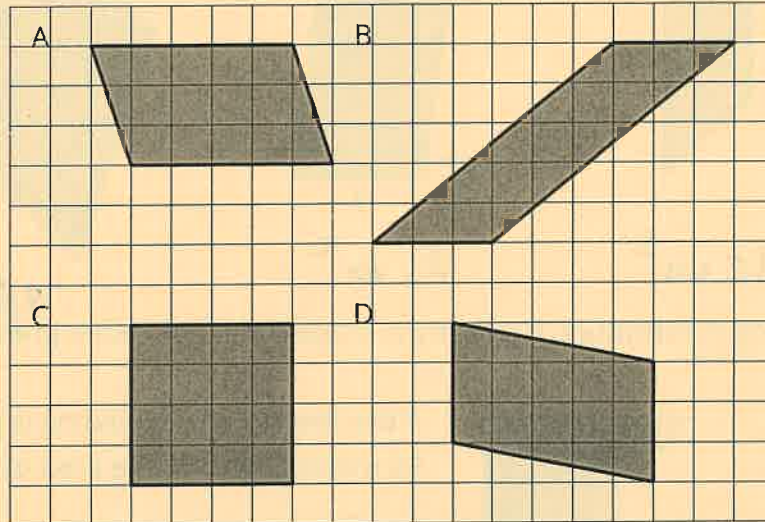
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Unit 1, Lesson 6: Area of Parallelograms

1. Which three of these parallelograms have the same area as each other?



2. Which of the following pairs of base and height produces the greatest area? All measurements are in centimeters.

- A. $b = 4, h = 3.5$
- B. $b = 0.8, h = 20$
- C. $b = 6, h = 2.25$
- D. $b = 10, h = 1.4$

3. Here are the areas of three parallelograms. Use them to find the missing length (labeled with a "?") on each parallelogram. *Picture on back*

A: 10 square units

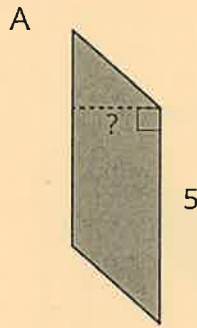
B: 21 square units

C: 25 square units

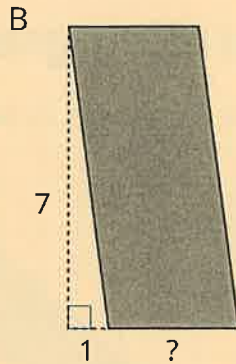
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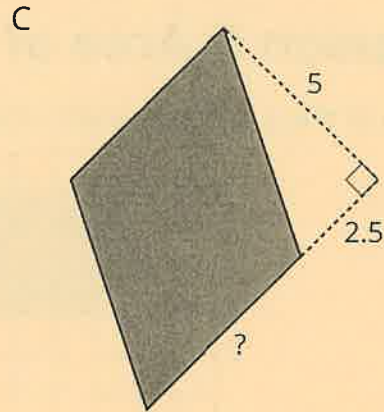
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10 cm^2

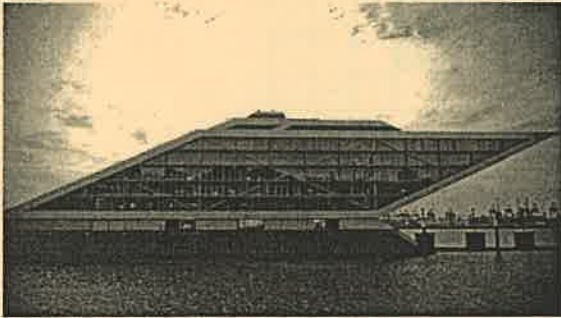


21 cm^2



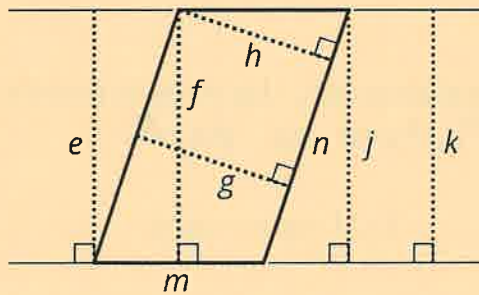
25 cm^2

4. The Dockland Building in Hamburg, Germany is shaped like a parallelogram.



If the length of the building is 86 meters and its height is 55 meters, what is the area of this face of the building?

5. Select **all** segments that could represent a corresponding height if the side m is the base.



(from Unit 1, Lesson 5)

6. Find the area of the shaded region. All measurements are in centimeters. Show your reasoning. *Skip*