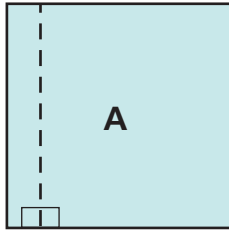


# Area of Parallelograms

NCTM Standards 1, 3, 4, 7, 9

Record the area of each parallelogram (A–F) in square centimeters (sq cm).

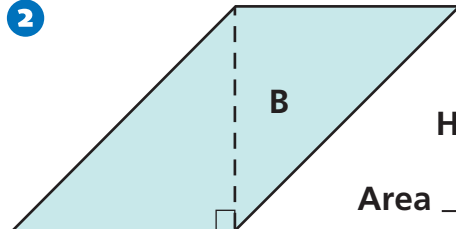
1



Base 3 cm  
Height 3 cm

Area \_\_\_\_\_

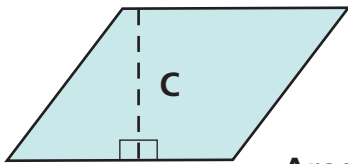
2



Base 3 cm  
Height 3 cm

Area \_\_\_\_\_

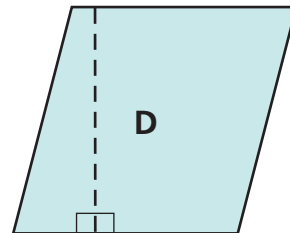
3



Base 3 cm  
Height 2 cm

Area \_\_\_\_\_

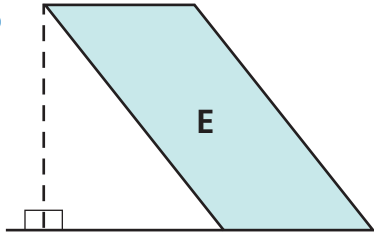
4



Base 3 cm  
Height 3 cm

Area \_\_\_\_\_

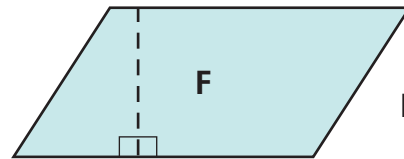
5



Base 2 cm  
Height 3 cm

Area \_\_\_\_\_

6



Base 4 cm  
Height 2 cm

Area \_\_\_\_\_

Complete the sentences.



7 Parallelograms , , and  look different but have the same area. Explain why.

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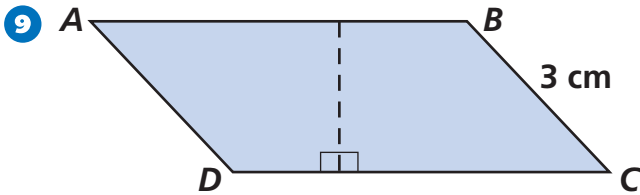
8 Parallelograms  and  have different base and height measurements, but they have the same area. Explain why.

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Use a centimeter ruler to find the area and perimeter of each parallelogram. Measure to the nearest cm. Record the area in sq cm and the perimeter in cm.

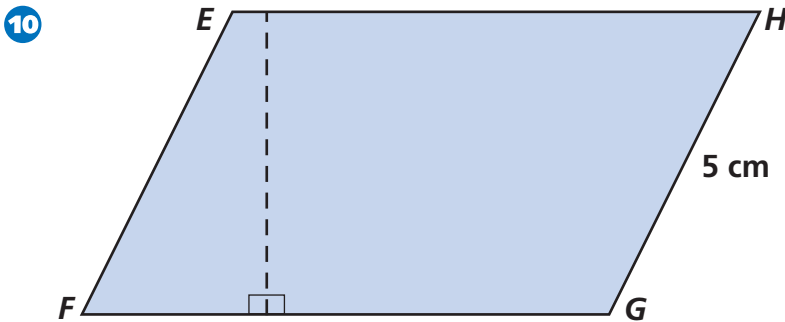


Base  $\overline{DC}$  \_\_\_\_\_

Height \_\_\_\_\_

Area \_\_\_\_\_

Perimeter \_\_\_\_\_

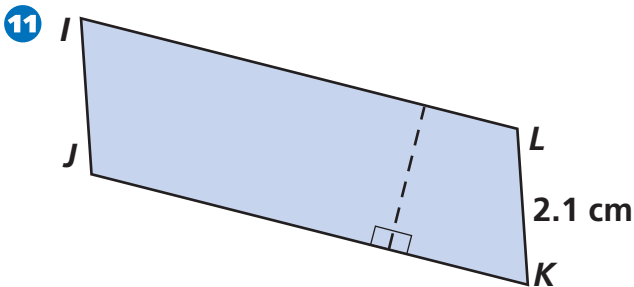


Base  $\overline{FG}$  \_\_\_\_\_

Height \_\_\_\_\_

Area \_\_\_\_\_

Perimeter \_\_\_\_\_



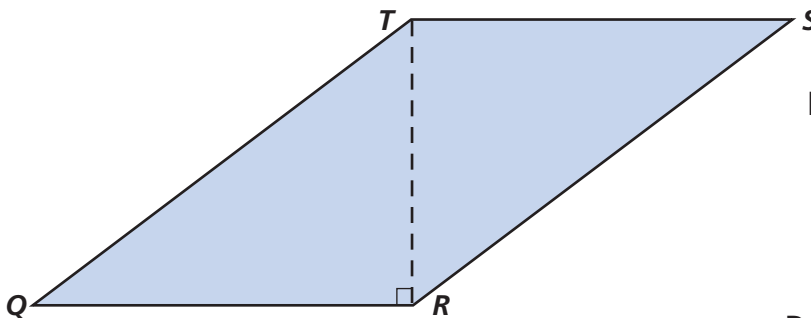
Base  $\overline{JK}$  \_\_\_\_\_

Height \_\_\_\_\_

Area \_\_\_\_\_

Perimeter \_\_\_\_\_

**12 Challenge** Use an inch ruler to find the area and perimeter of this parallelogram. Measure to the nearest  $\frac{1}{2}$  inch. Record the area in sq. in. and the perimeter in inches (in.).



Base  $\overline{QR}$  \_\_\_\_\_

Height \_\_\_\_\_

Area \_\_\_\_\_

Perimeter \_\_\_\_\_