

# Independent Practice

## 13.3

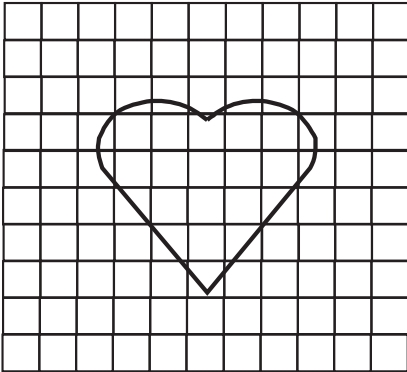
NAME \_\_\_\_\_

Module 13 Perimeter, Area, and Volume

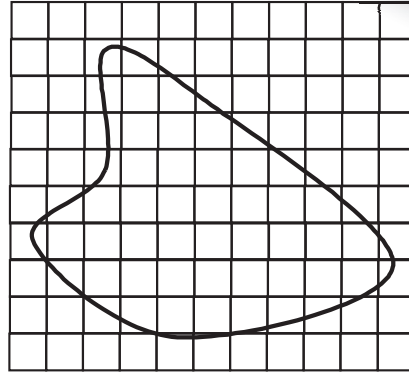
Lesson 3 Area: Irregular Shapes

Estimate the area of the shape. Each  $\square$  is  $1 \text{ km}^2$ .

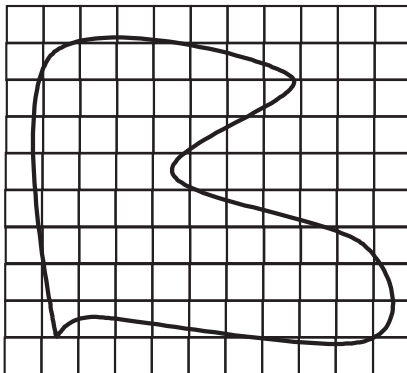
1.



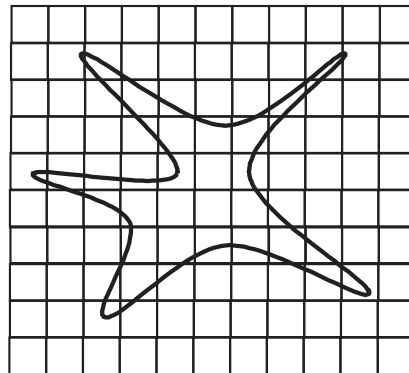
2.



3.

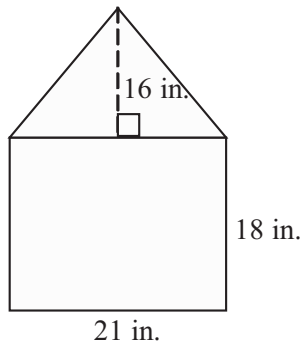


4.

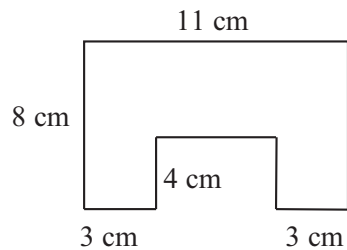


Find the area of the shape.

5.

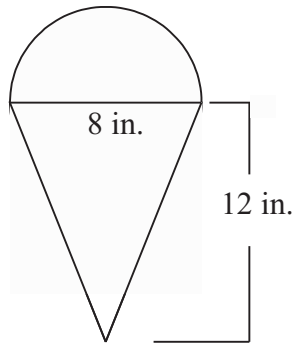


6.



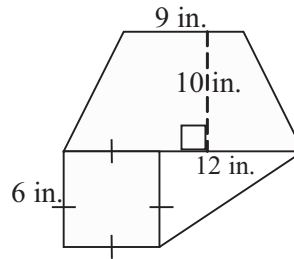
Find the area of the shape. Assume that figures, which appear to be semi-circles, are semi-circles.

7.



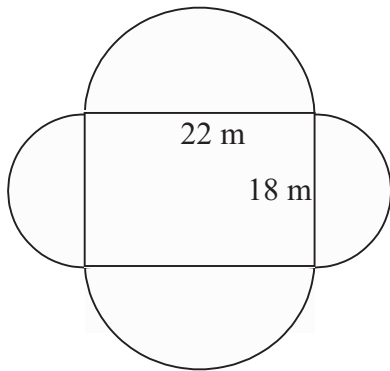
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8.



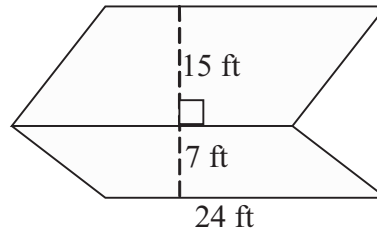
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9.



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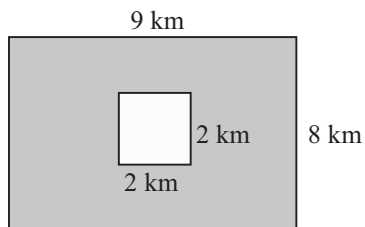
10.



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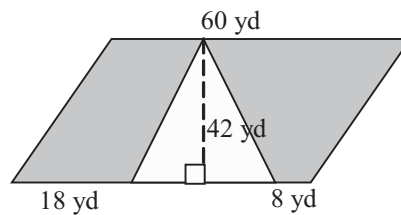
Find the area of the gray shaded region.

11.



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12.



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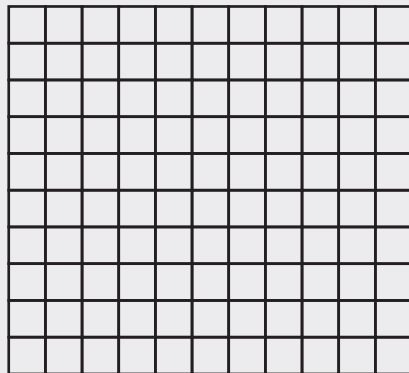
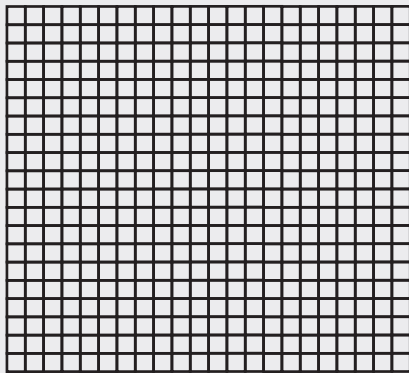
NAME \_\_\_\_\_

Module 13 Perimeter, Area, and Volume

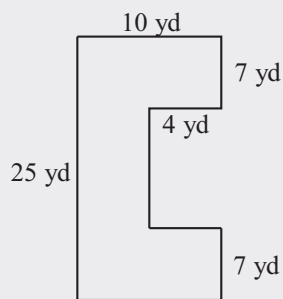
Lesson 3 Area: Irregular Shapes

### Journal

1. Explain how to use a grid to estimate the area of an irregular shape.
2. Mickey needs to estimate the area of an irregular shape. He has two types of graph paper as shown below. Explain how the accuracy of his estimate is related to which type of graph paper he uses.



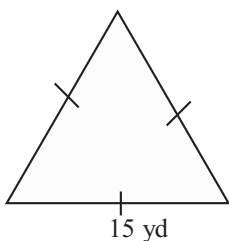
3. Explain how either addition or subtraction can be used to find the area of the shape below.



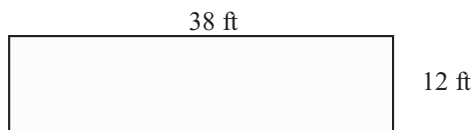
## Cumulative Review

Find the perimeter.

1.

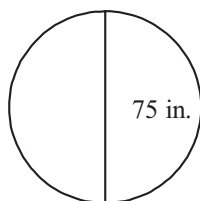



2.

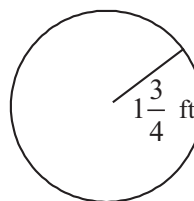



Find the circumference. Each segment intersects the center of the circle.

3.

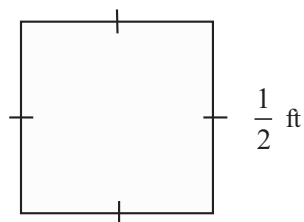



4.

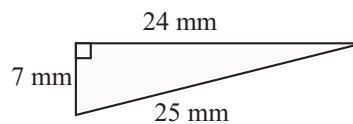



Find the area.

5.




6.




7. A circular tabletop has an area of 153.86 square feet. Estimate the diameter of the tabletop.

8. Find the height of a triangle that has an area of 200 square meters and a base length of 10 square meters.

# Additional Work Area