

5.4 Geometry: Perimeter and Area

In this worksheet, we will practice finding the perimeter and/or area of plane figures. If you would like to review the basics, links to video descriptions can be found at the end of this worksheet. Starred problems have video solutions.

- 1 Find the perimeter of the figure.

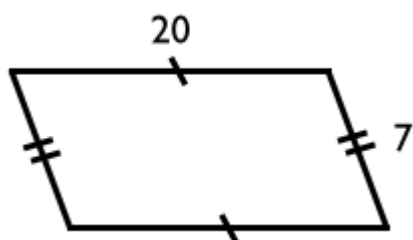


Figure 5.4.1

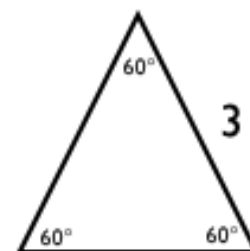


Figure 5.4.2

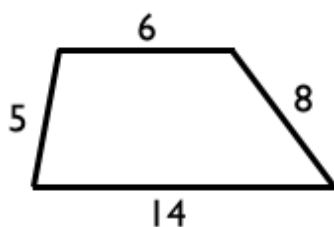


Figure 5.4.3

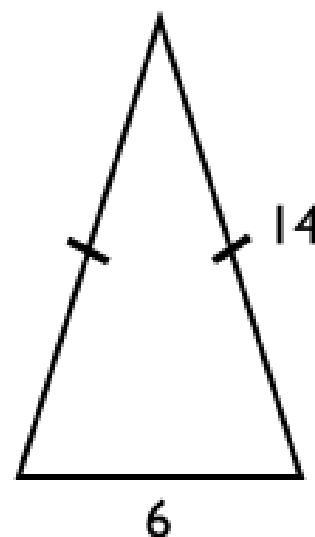


Figure 5.4.4

- 2 Which has greater area: a square with a side length of 6 or a triangle with base length of 7 and height of 10?
- 3 Is the area of a rectangle with length 6 and width 8 smaller, larger, or equal to the area of a parallelogram with base 8 and height 6?

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4 Which has greater perimeter: a right triangle with area of 30 and base of 12 or a square with area of 49?

5 A right triangle has perimeter 12, one leg of 3, and a hypotenuse of 5. What is its area?

- (a) 2
- (b) 4
- (c) 6
- (d) 5

6 * A square has perimeter of 16, what is its area?

- (a) 20
- (b) 14
- (c) 16
- (d) 4

7 Find the area of the following figures. Round to the nearest tenth.

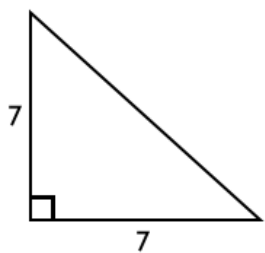


Figure 1.1

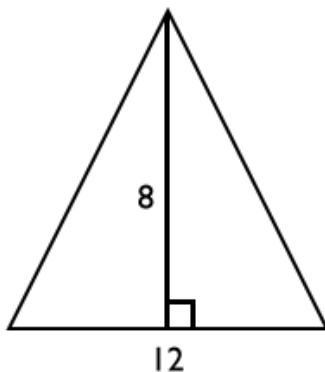


Figure 1.2

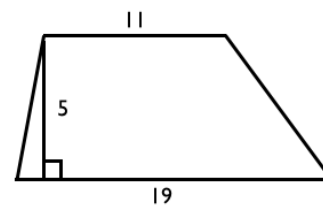


Figure 1.3

Additional Resources:

- For review on finding the area of:
 1. Squares and rectangles: <http://youtu.be/LoaBd-sPzkU>
 2. Triangles: <http://youtu.be/YOYQys52sPs>
 3. Trapezoids: <http://youtu.be/j3-XYLnxJDY>
 4. Parallelograms: <http://youtu.be/tFhBAeZVTMw>
- Video solution for problem 6 on this worksheet: <http://youtu.be/oTTjDS1zzIQ>