

Decomposing or Combining Polygons (Part 1)

1. Divide a rectangle to make two squares.
2. Divide a rectangle to make two triangles.
3. Divide a triangle to make two congruent triangles.

Solution:

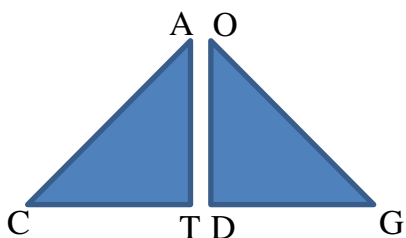
1. 2. 3.

4. Combine two squares to make a rectangle.
5. Combine two triangles to make a rectangle.
6. Combine two trapezoids to make a parallelogram.

Solution:

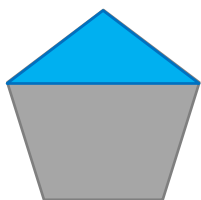
4. 5. 6.

7. Name the polygon formed by combining side AT of triangle CAT with side OD of triangle DOG.

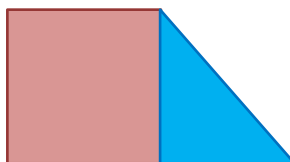


Solution:

8. Name the two polygons that are combined to form each of the following figures.



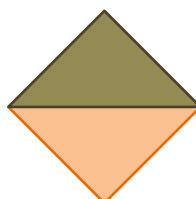
Solution:



Solution:



Solution:



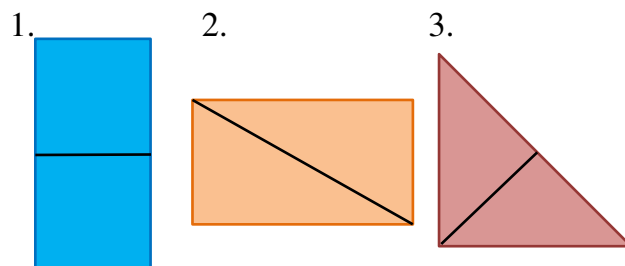
Solution:

Decomposing or Combining Polygons (Part 1)

Answer Key

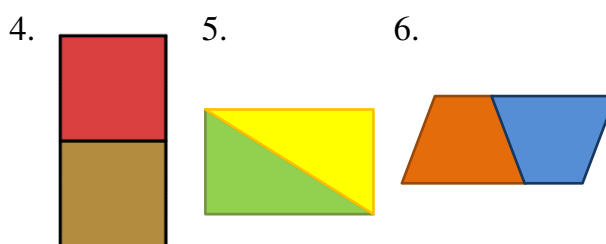
1. Divide a rectangle to make two squares.
2. Divide a rectangle to make two triangles.
3. Divide a triangle to make two congruent triangles.

Solution:

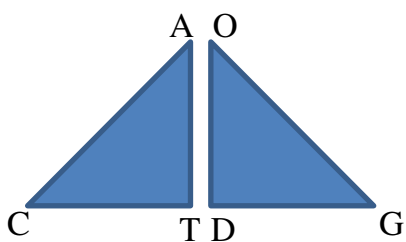


4. Combine two squares to make a rectangle.
5. Combine two triangles to make a rectangle.
6. Combine two trapezoids to make a parallelogram.

Solution:



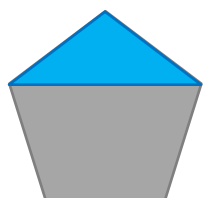
7. Name the polygon formed by combining side AT of triangle CAT with side OD of triangle DOG.



Solution:

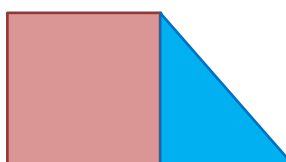
Triangle

8. Name the two polygons that are combined to form each of the following figures.



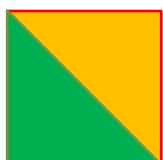
Solution:

Triangle and trapezoid



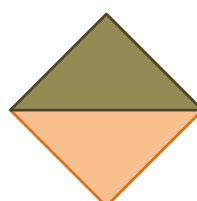
Solution:

Square and triangle



Solution:

Two triangles



Solution:

Two triangles