Decomposing Polygons to Find Area

Directions: Decompose each polygon into rectangles and triangles to find the area.

- 1. Section the shape into rectangles and/or triangles.
- 2. Find the area of each rectangle and triangle.

3. Find the total area of the polygon.

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1. 6 cm	Work Space	2. _{4 cm} 5 cm 7 cm	Work Space				
Section into rectangles or triangles.	Total Area=	Section into rectangles or triangles.	Total Area=				
3. 8 in 6. 3	Work Space	4.					
Section into rectangles or rectangles	Total Area=	6 in 4 i	5 in				
5. Create your own polygon. You will need to be able to divide your polygon into at least 3 triangles and/or rectangles. Solve.		Section into rectangles or triangles.					
		Work Space					
Total Area=		Total Area=					

Key- One possible solution is given. However students may solve each problem in various ways.

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