

Polygons

January 14, 2017

1. How many triangles, squares, rectangles, quadrilaterals, and polygons are in the picture below?

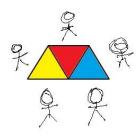


	Squar Recta Quadr	gles: es: ngles: rilaterals: ons:
2.	them?	t help to have definitions for the objects above before we count Try to explain what they are. A polygon is a
	b.	A triangle is a
	c.	A quadrilateral is a
	d.	A rectangle is a
	e.	A square is a

3.	All the tabletops at a restaurant are equilateral triangles. Only one person
	can sit on each side of a table.

a. How many people can sit at one table?

b. If three tables are joined, as shown below, then five people can sit. How many tables are needed to sit 27 people if we continue to add tables next to the rightmost table?



c. How many people will 21 tables in a row accommodate?

d. Suppose you can only make rows of no more than 10 tables. How many tables are needed to sit 50 people?