S	chool
[NEW MATERIAL
1.	Count points
	• • • • •
	• • • • • • • • • • • • • • • • • • •
2.	" or points
	Now try to divide these points into groups of 5 before counting them:
	How many groups of 5 did you count?
	How can we count them now?
	By adding:
	By skip counting
	Does grouping make it easier to count?
	Multiplication is a mathematical operation where a number is added to itself a number of times. When we count point by grouping we multiply them. To express multiplication we write: $5 \times 2 = 2$





Revisiting two – dimensional geometric shapes

Triangle: 3 points (vertices) connected by 3 line segments

Quadrilateral: 4 vertices, connected by 4 segments

Pentagon (5 vertices), Hexagon (6 vertices), and so on.

All of them are special cases of a **polygon**: a figure consisting of some number of points (**vertices**), connected with line segments to form a closed figure.

These line segments are called the **sides** of the polygon.

Different types of polygon:



l	Lesson 17 2018-19
7.	The perimeter of the quadrilateral <i>ABCD</i> equals 19 cm. What is the length of the side <i>AD</i> ?
8.	Side <i>AD</i> ? 9 cm 0 cm 0
	Eric computes the perimeter of a rectangle by doubling the length $-l$, doubling the width $-w$, and then adding the doubled amounts.
	a) Write an expression for Sallie's way of calculating the perimeter. Write an expression for Eric's way as well.
	b) Use both of the expressions to find the perimeter of a rectangle with length 30 and width 75.
	c) Explain why Sallie and Eric always get the same answer, no matter what the length and width of the rectangle are.
	Challenge yourself
0	Solve each word problem:
7.	1. A line segment was split into 8 parts. Each part was further split into 5 sections.
]	How many sections was the segment split into?

2. A watermelon can be balanced on a scale by x apples. An apple can be balanced by q strawberries. How many strawberries are needed to balance a watermelon?