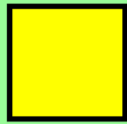


## Y4 – Maths – Shape – Lesson 7

### LO: quadrilaterals

a quadrilateral is a shape with 4 sides and 4 angles



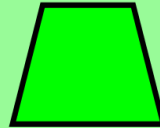
square



rectangle



rhombus



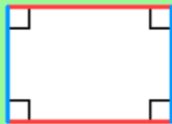
trapezium



parallelogram

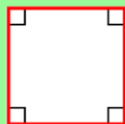
Here are the properties of these quadrilaterals:

rectangle



opposite sides are equal  
opposite sides are parallel  
all angles are 90°

square



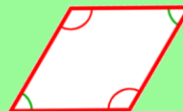
all sides equal  
opposite sides are parallel  
all angles are 90°

parallelogram



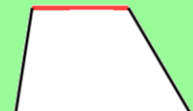
opposite sides are parallel and equal  
opposite angles are equal

rhombus



all sides are equal  
opposite sides are parallel  
opposite angles are equal

trapezium



two sides are parallel

### Activity 1

Match the shape to its name:

1. 2. 3. 4. 5.

trapezium  
square  
rhombus  
rectangle  
parallelogram

## Activity 2:

Name the shapes and use the statements to describe them.



four sides

2 pairs of parallel sides

four equal sides

polygon

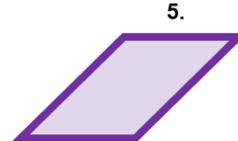
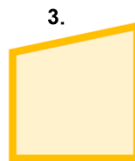
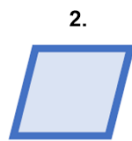
1 pair of parallel sides

4 right angles

a. Trapezium: four sides, polygon, 1 pair of parallel lines

b. Rectangle: four sides, 2 pairs of parallel lines, polygon, 4 right angles

Name the shapes and use the statements to describe them.



four sides

2 pairs of parallel sides

four equal sides

polygon

1 pair of parallel sides

4 right angles

## Challenge

Complete each of the boxes in the table with a different quadrilateral.

	4 equal sides	2 pairs of equal sides	1 pair of parallel sides
4 right angles			
No right angles			

Which box cannot be completed?  
Explain why.

Here are five quadrilaterals with their mathematical names.



square



parallelogram



rhombus



rectangle



trapezium

1. Harpreet chooses one of the quadrilaterals.

She says,

"it has two acute angles. All four sides are the same length."

Which quadrilateral did she choose?

2. Eessa chooses one of the quadrilaterals.

He says,

"it has more than one obtuse angle. It has one pair of parallel sides."

Which quadrilateral did he choose?