



## Math 5

### UNIT 7 - Geometry

### 7-5 Classifying 2-Dimensional Shapes

Name:

Date:

#### Common Core Standards

#### [CCSS.MATH.CONTENT.5.G.B.3](#)

Understand that attributes belonging to a category of two-dimensional figures also belong to all subcategories of that category. For example, all rectangles have four right angles and squares are rectangles, so all squares have four right angles.

#### [CCSS.MATH.CONTENT.5.G.B.4](#)

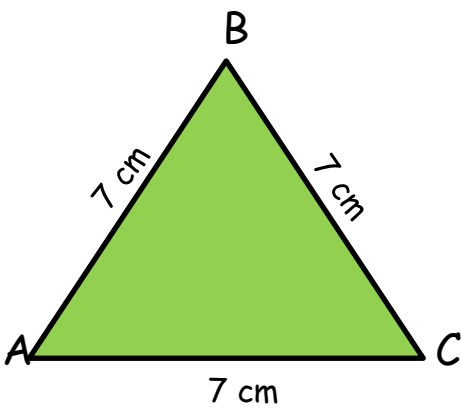
Classify two-dimensional figures in a hierarchy based on properties.

## 7-5 Classifying 2-Dimensional Shapes

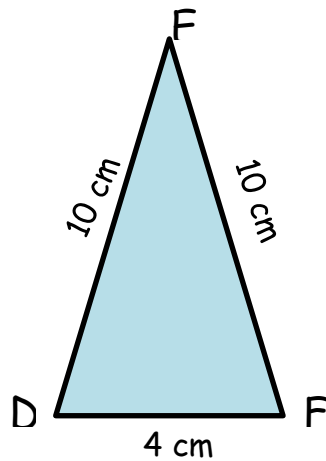
### Classification of Triangles According to Sides

A triangle differs from another triangle in the measure of their sides. These triangles are classified as:

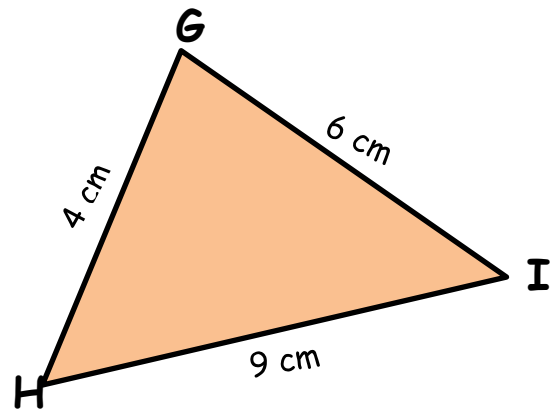
**EQUILATERAL**



**ISOSCELES**



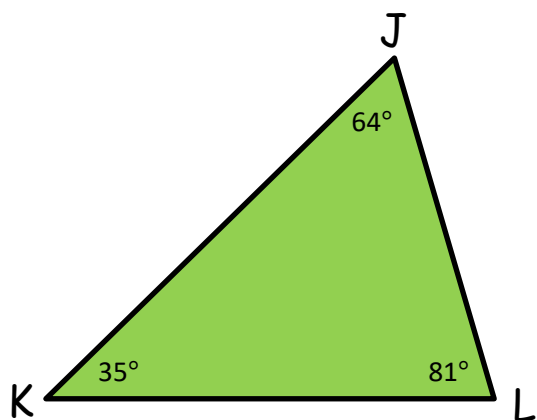
**SCALENE**



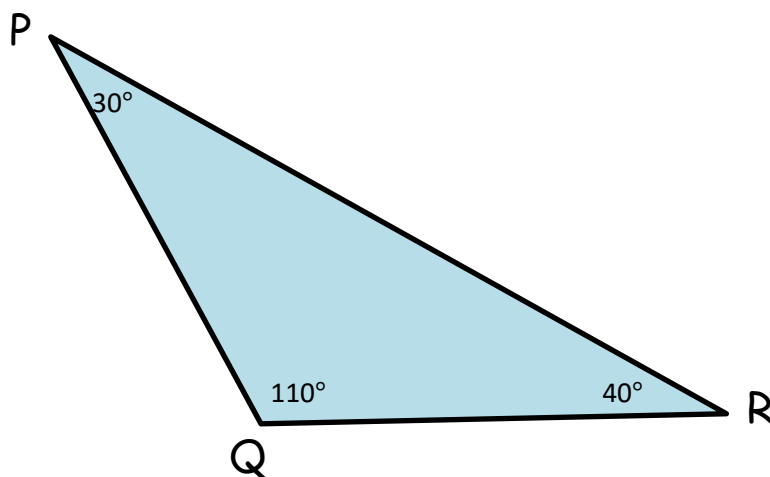
## Classification of Triangles According to Angles

A triangle also differs from another triangle in the measure of their angles. These triangles are classified as:

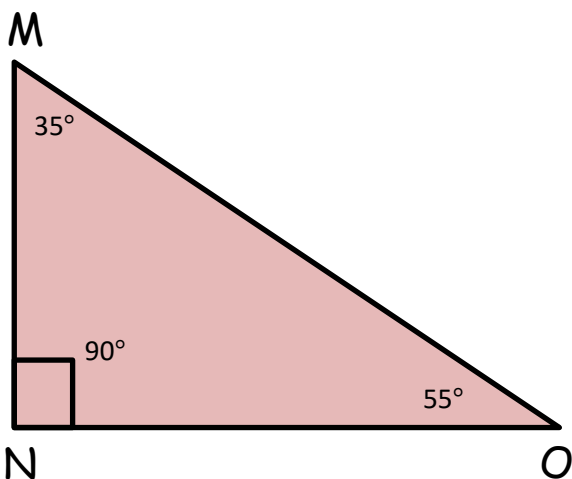
### ACUTE



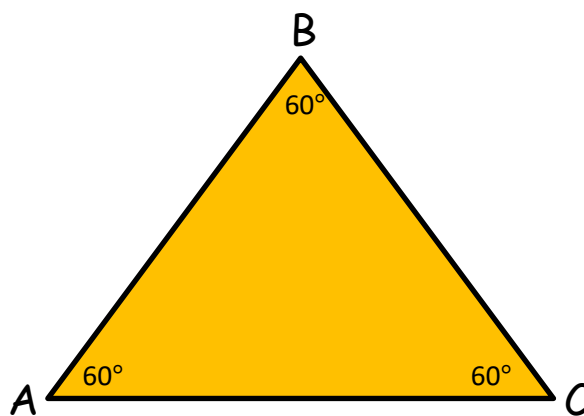
### OBTUSE



### RIGHT



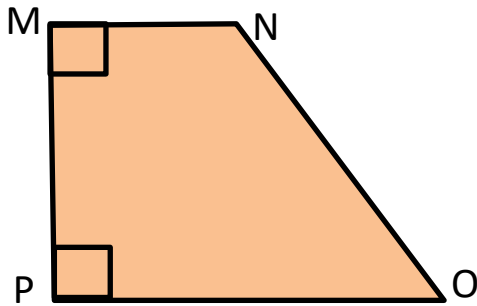
### EQUIANGULAR



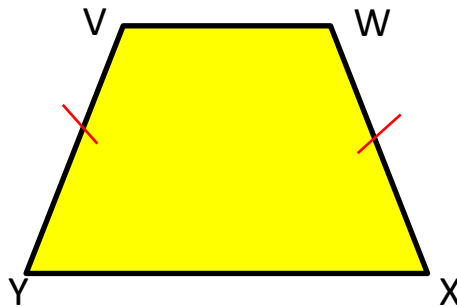
# Classification of Trapezoids

Trapezoids are classified as follows:

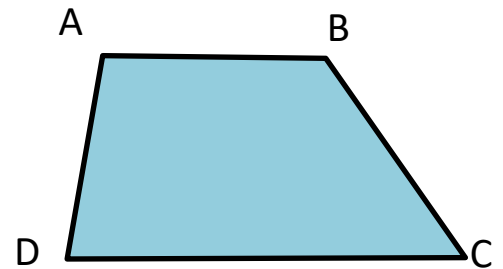
**RIGHT**



**ISOSCELES**



**SCALENE**



# ALWAYS - SOMETIMES - NEVER!

Read the statements carefully and tell whether it is **ALWAYS TRUE**, **SOMETIMES TRUE** or **NEVER TRUE**.

1. A right triangle is isosceles.

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2. An equiangular triangle is scalene.

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3. An equilateral triangle is also equiangular.

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4. An equilateral triangle is isosceles.

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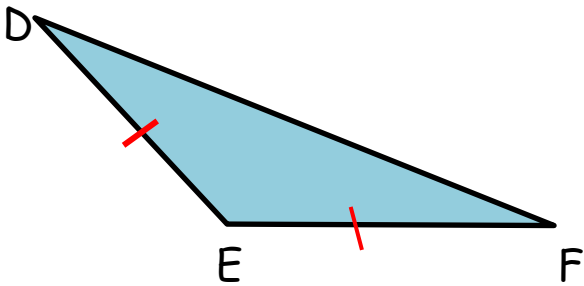
5. A scalene trapezoid is right.

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# Task Cards

Match the 2-dimensional figures on the left to ALL its possible classification on the right.

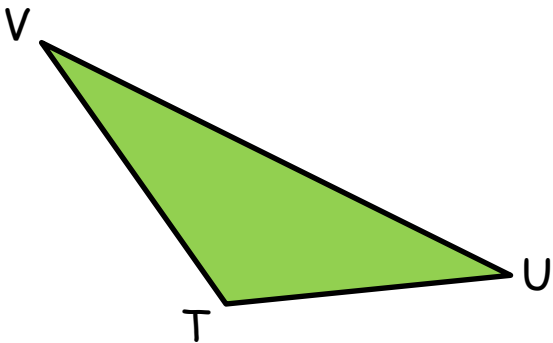
1



A

Isosceles Triangle

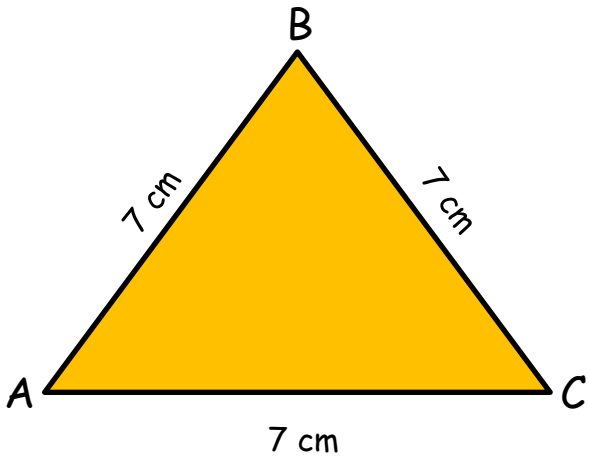
2



B

Scalene Triangle

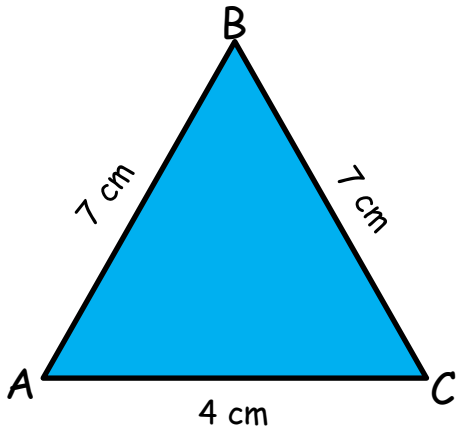
3



C

Right Triangle

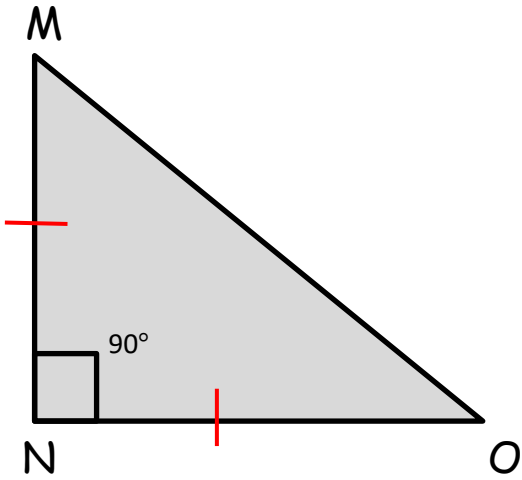
4



D

Acute Triangle

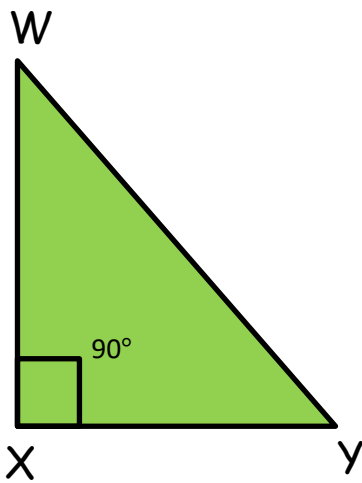
5



E

Obtuse Triangle

6



F

Equilateral Triangle

## ANSWER KEY

1. SOMETIMES TRUE

2. NEVER TRUE

3. ALWAYS TRUE

4. ALWAYS TRUE

5. SOMETIMES TRUE

### Task Cards

- |    |         |
|----|---------|
| 1. | A, E    |
| 2. | B, E    |
| 3. | A, D, F |
| 4. | A, D    |
| 5. | A, C    |
| 6. | B, C    |