

WEEK: 11

Week Beginning: (01/06/20)

Subject: MATHS

Year: 3

Lesson Objective:

- Understand the different types of triangles, including equilateral, isosceles, scalene and right-angled triangles
- Understand what obtuse and acute angles are
- Be able to identify triangles accurately and answer triangle problem questions

Class Worksheets

- The tutor shall work through the first few sheets with the students explaining the different types of triangles and how to identify the different types of triangles and angles
- Starting to answer triangle and angle problem questions independently

Homework

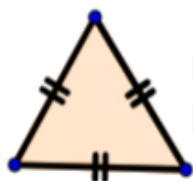
- The homework will be similar to the class work to make sure the students have a good understanding of the class work; the questions vary from easy to hard so that the students can challenge themselves
- Questions testing ability of students to identify and classify triangles and angles

Additional Notes

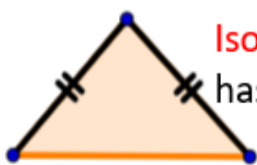
- Last week's homework will be marked during the start of the lesson and if the students have any questions, we can address those first before moving on to today's lesson plan
- All lesson worksheets and **homework for next week (due Week 12)** worksheets can be found below

Types of Triangles

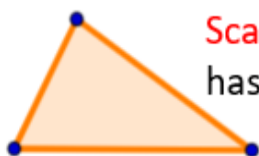
By Side



Equilateral Triangle
has three equal sides

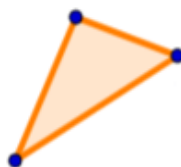


Isosceles Triangle
has two equal sides



Scalene Triangle
has no equal sides

By Angle



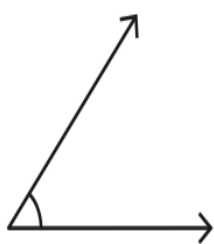
Acute triangle
has three angles $< 90^\circ$



Right triangle
has one angle $= 90^\circ$

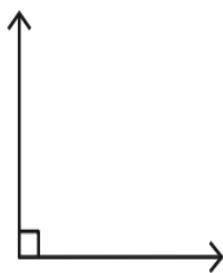


Obtuse triangle
has one angle $> 90^\circ$



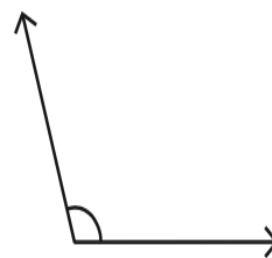
Acute angle

An acute angle measures less than 90 degrees.



Right angle

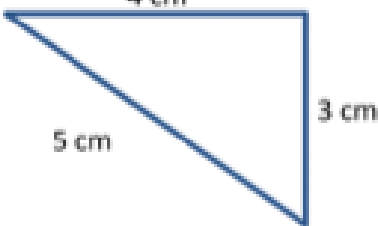
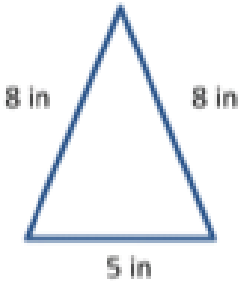
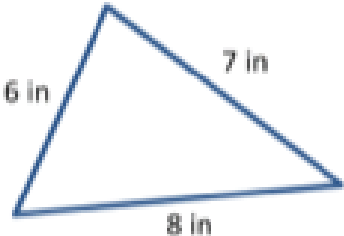
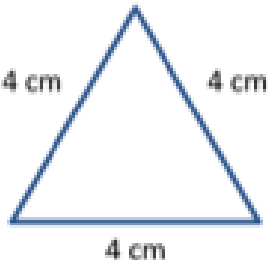
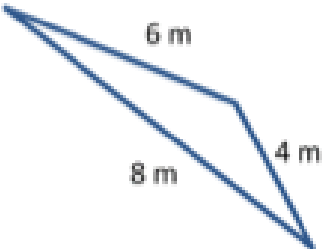
A right angle measures exactly 90 degrees.



Obtuse angle

An obtuse angle measures more than 90 degrees and less than 180 degrees.

Classify these triangles by ticking the relevant boxes. Triangles not to scale!

TRIANGLE	EQUILATERAL	ISOSCELES	SCALENE	RIGHT
				
				
				
				
				

Mark and count the number of right angles in the following figures.



_____ right angle(s)



_____ right angle(s)

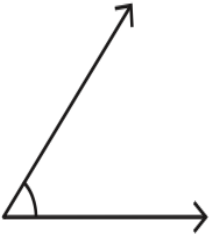
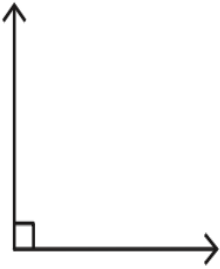
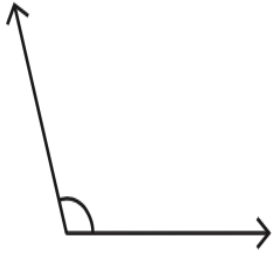


_____ right angle(s)

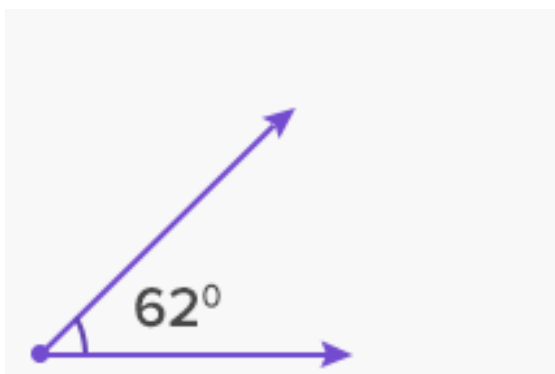
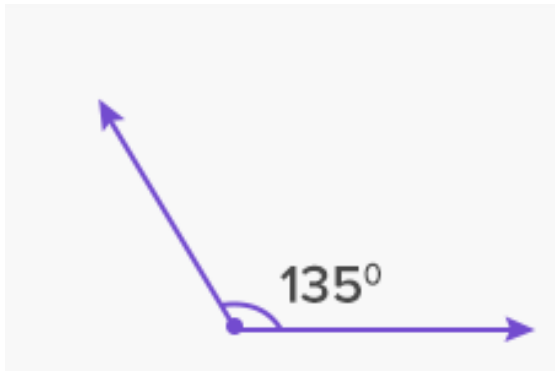
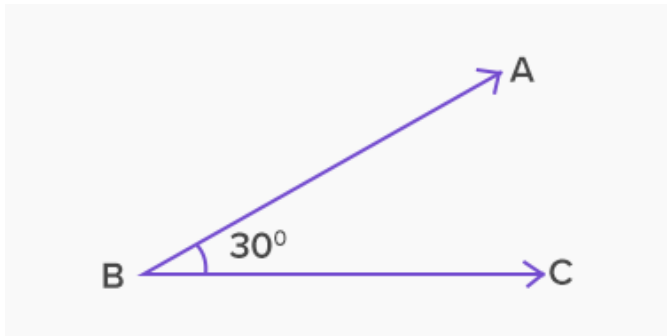


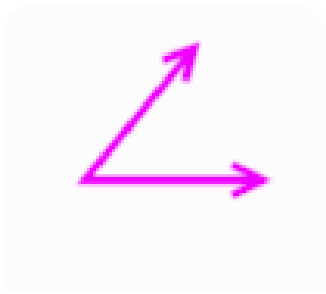
_____ right angle(s)

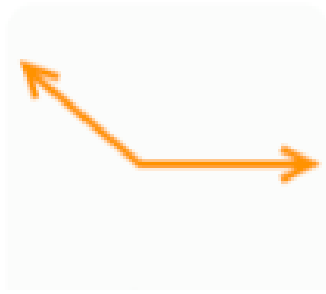
Is this an acute angle or an obtuse angle?

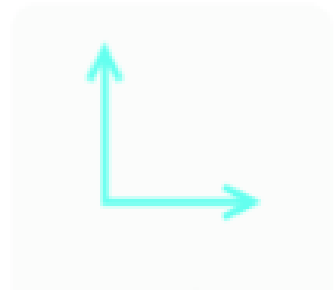
 <p>Acute angle</p> <p>An acute angle measures less than 90 degrees.</p>	 <p>Right angle</p> <p>A right angle measures exactly 90 degrees.</p>	 <p>Obtuse angle</p> <p>An obtuse angle measures more than 90 degrees and less than 180 degrees.</p>
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(use this to help you decide)









Homework:

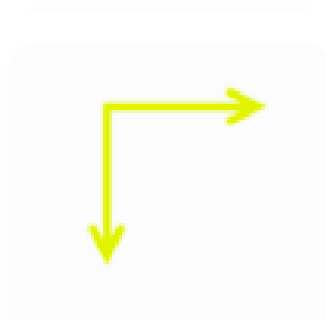
Is this an acute, obtuse or right angle?





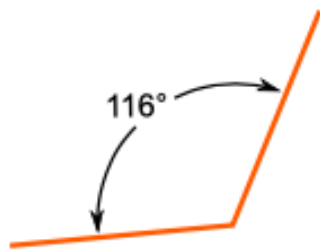




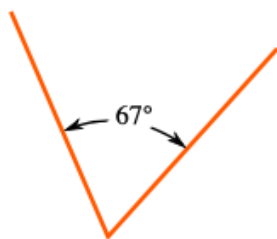




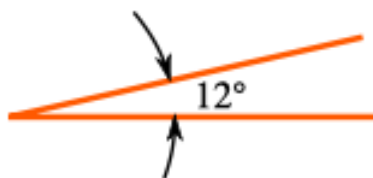
Is this an acute or obtuse angle?



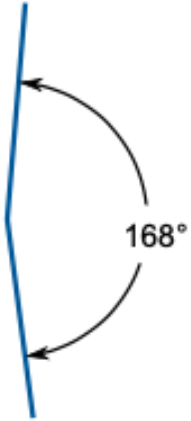
1) _____



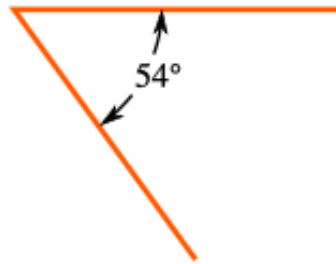
2) _____



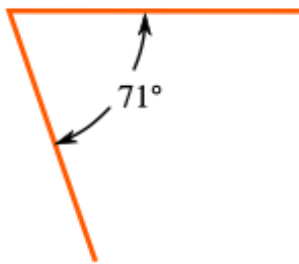
3) _____



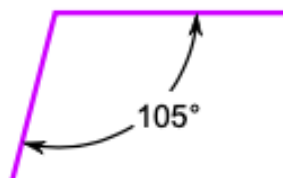
4) _____



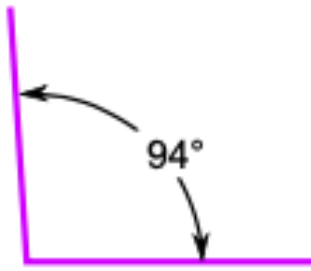
5) _____



6) _____



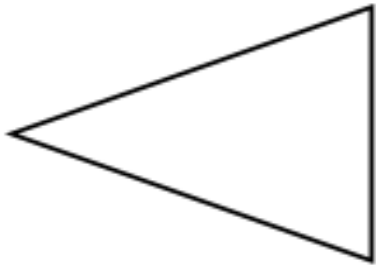
7) _____



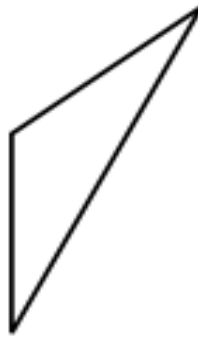
8) _____

Identify the type of triangle?

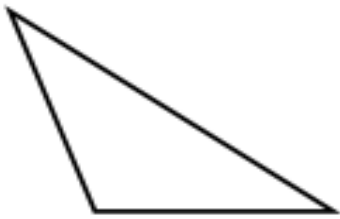
1)



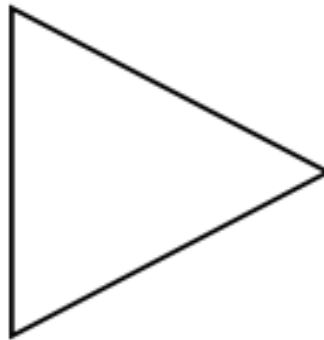
2)



3)



4)



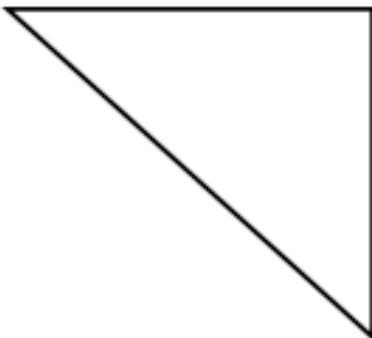
5)



6)



7)



8)

