

EaD Comprehensive Lesson Plans



or



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<https://www.TeachersAvenue.net>

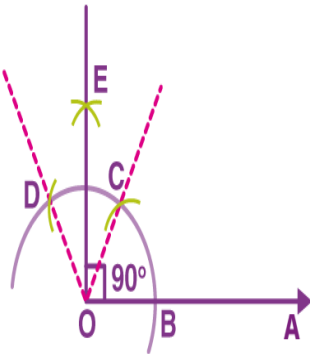
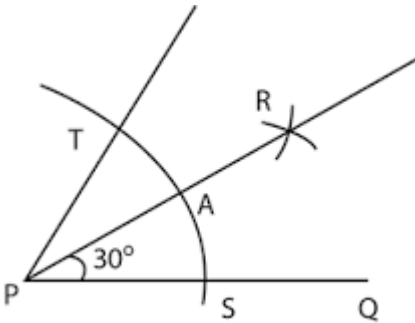
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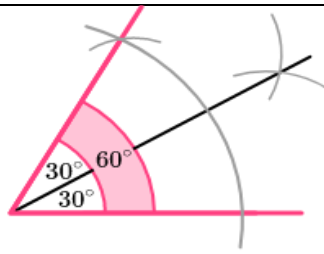
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BASIC 7

WEEKLY LESSON PLAN – WEEK 8

Strand:	Geometry and Measurement		Sub-Strand:	Shape and Space	
Content Standard:	B7.3.1.2 Demonstrate how to construct a perpendicular to a line from a given point, bisect a line, bisect angles, and construct angles of the following sizes: 30°, 45°, 60°, 75° and 90°				
Indicator (s)	B7.3.1.2.4: Construct angles of 90 and 45 B7.3.1.2.5: Construct angles of 60° and 30°		Performance Indicator: Learners can construct 90° and 45° angles.		
Week Ending	26-05-2023				
Class	B.S.7	Class Size:		Duration:	
Subject	Mathematics				
Reference	Mathematics Curriculum, Teachers Resource Pack, Learners Resource Pack, Textbook.				
Teaching / Learning Resources	Chart, Metre Rule, Compass, divider, Poster, Pictures.		Core Competencies:	<ul style="list-style-type: none">Implement strategies with accuracyAbility to combine Information and ideas from several sources to reach a conclusionImplement strategies with accuracy	
DAY/DATE	PHASE 1 : STARTER	PHASE 2: MAIN			PHASE 3: REFLECTION
MONDAY 22-05-2023	Discuss with Learners about the bisector Formula.	<div>1. Assist Learners to use a pair of compasses and a ruler to construct an angle of 90° on a given line segment.</div> <div>2. Discuss ways of using a Protractor to verify constructed angles.</div> <div>3. Learners brainstorm to verify angles constructed by using a Protractor.</div> <div>Bisect Angle Formula;</div> <div>PQ/PR = QS/RS or a/b = x/y.</div> <div>Construction of angle 90-degree (90°)</div> <div>1. Draw a line segment OA.</div> <div>2. Taking O as center and using a compass draw an arc of some radius, that cuts OA at B.</div> <div>3. Taking B as center and with the same radius draw another arc, that cuts the first arc at C.</div>			Reflect on how to construct an angle of 90° Exercise; using compasses and a ruler, construct a 90° angle.

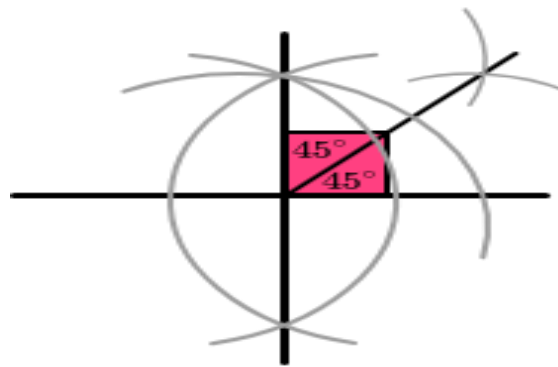
		<ol style="list-style-type: none"> Taking C as center and with same radius draw an arc, that cuts the first arc at D. Now taking C and D as centers and radius greater than the arc CD, draw two arcs, such that they intersect at E. Join OE such that $\angle AOE$ is a 90-degree angle 	
TUESDAY 23-05-2023	<p>Demonstrate bisecting a 90° angle to construct 45° angle.</p>	<ol style="list-style-type: none"> Assist Learners to practice on how to bisect a given angle to two equal parts. Learners brainstorm to construct an angle of 45° by bisecting an angle of 90°. Learners in small groups discuss on how to construct an angle of 60° at a point on a given line segment.  <p>E.g.</p> <p>A 60 degree angle can be constructed by drawing an equilateral triangle.</p> <p>Then an angle bisector will construct a 30 degree angle.</p>	<p>Individual Learners to apply skills in verifying a given angle using a Protractor to verify 60° angle on a line segment.</p> <p>Exercise;</p> <p>using compasses and a ruler, construct a 60° angle.</p>



E.g.

A 90 degree angle can be constructed with a perpendicular bisector.

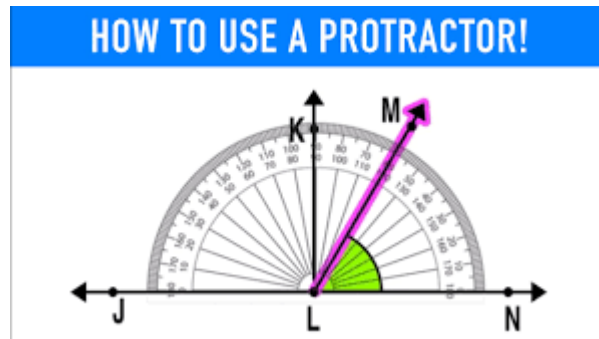
Then an angle bisector will construct a 45 degree angle.



THURSDAY
25-05-2023

Through questions and answers, review Learners knowledge on the previous lesson.

1. Discuss with Learners on how to measure an angle with and without the use of a Protractor.
2. Assist Learners to verify angles constructed using a Protractor and without using a Protractor.



How to use a protractor

To measure an angle using a protractor, follow the steps below.

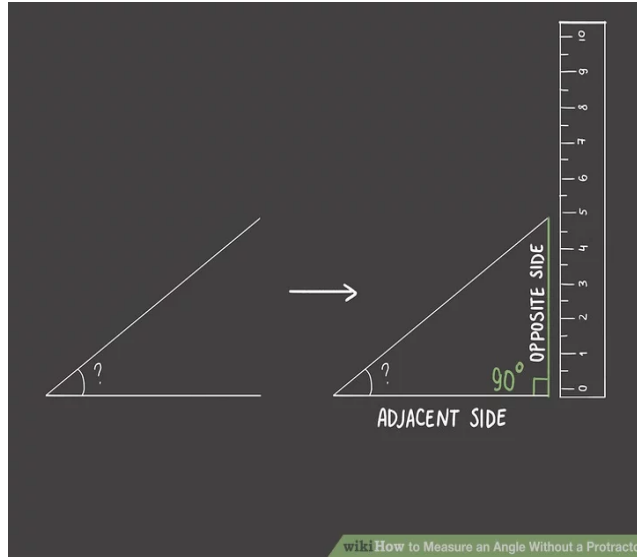
1. Line up the vertex of the angle with the dot at the center of the protractor.

Group Work;

Learners in small groups to discuss and report to the class on the steps to follow to;

- i. Use a pair of Compass and a rule to measure Line segments.
- ii. Verify angles using a Protractor.

2. Line up one side of the angle with 0 degrees on the protractor.
3. Read the protractor to see where the other side of the angle crosses the number scale.



Name of Teacher:

School:

District: