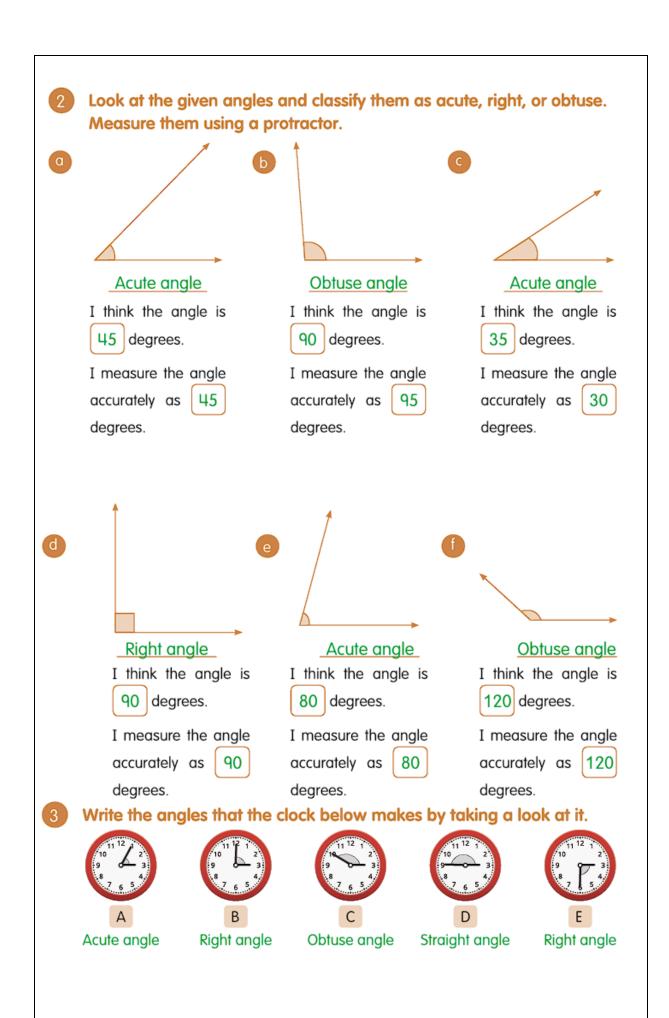


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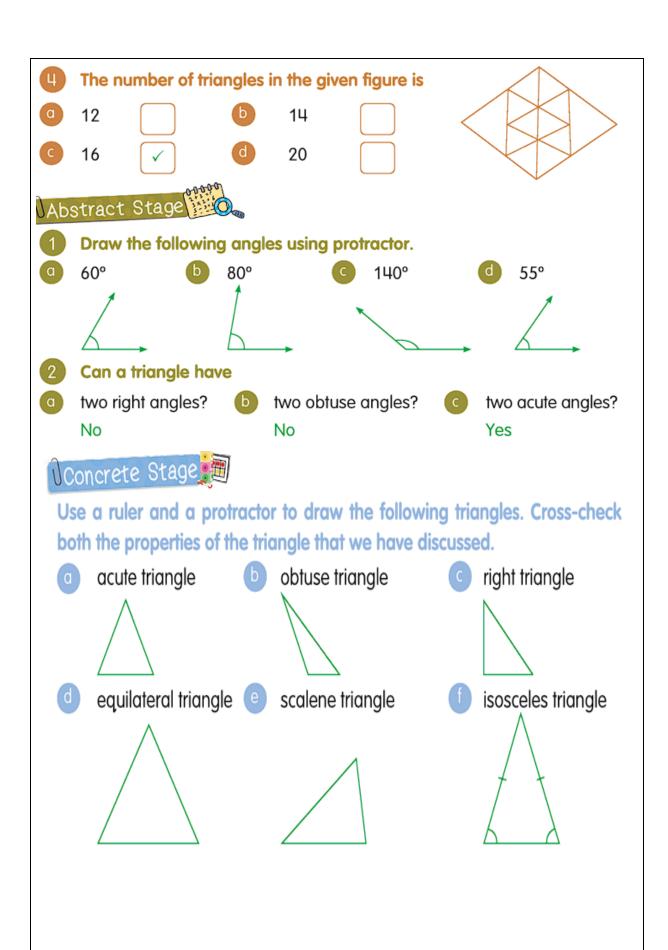
Affiliation No. 1130703 Academic session 2024-25 Notes-(Term-2) Sub-math

Prepared by -Pranjali Patil L-11 Angles and Triangles Pre –Activity-Solved in the textbook Look at the picture and answer the following questions. What type of lines are the strips of a zebra crossing - parallel lines or perpendicular lines? The strips of zebra crossing are parallel lines. 6 What is the angle between the traffic light pole with respect to the ground? Right angle / Acute angle What angle are the adjacent roads making at the roundabout? Do they always make this angle? 270°; No, the adjacent roads don't make this angle always. They might make different angles. Is the traffic light perpendicular to the roads? If yes, what angle do the two make? Yes 900 48 VConcrete Stage Show the following angles using your thumb and index finger. Draw by tracing them in your notebook, and measure the angles using a protractor. acute angle right angle obtuse angle Pictorial Stage Which of the following figures represents an angle? Answer: Only a and c figures represent an angle.

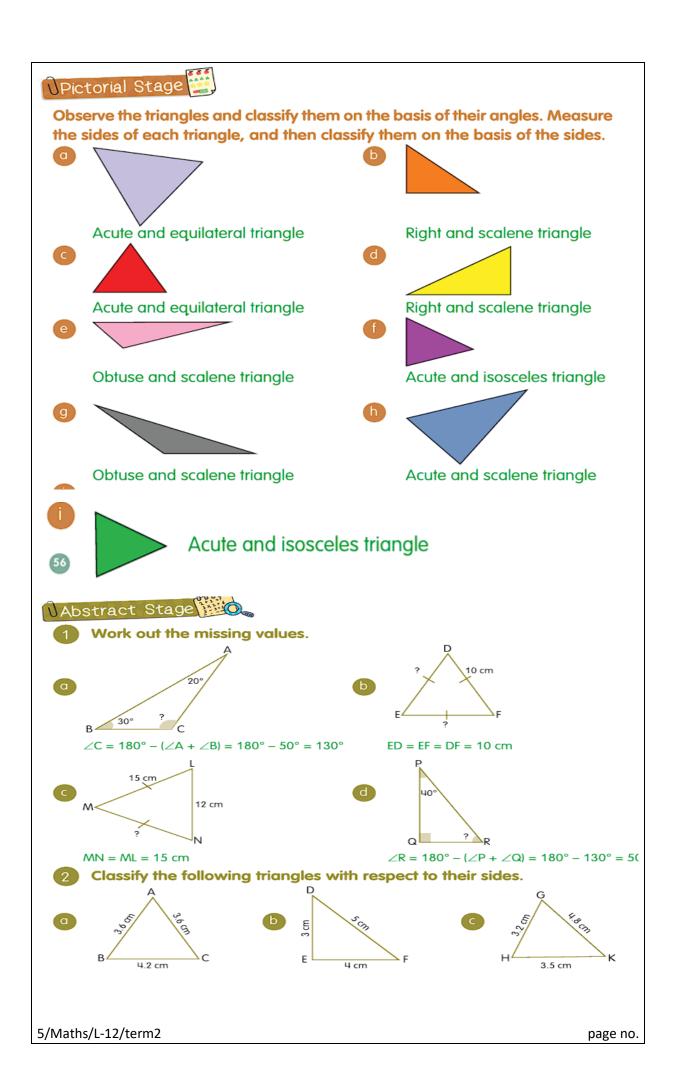
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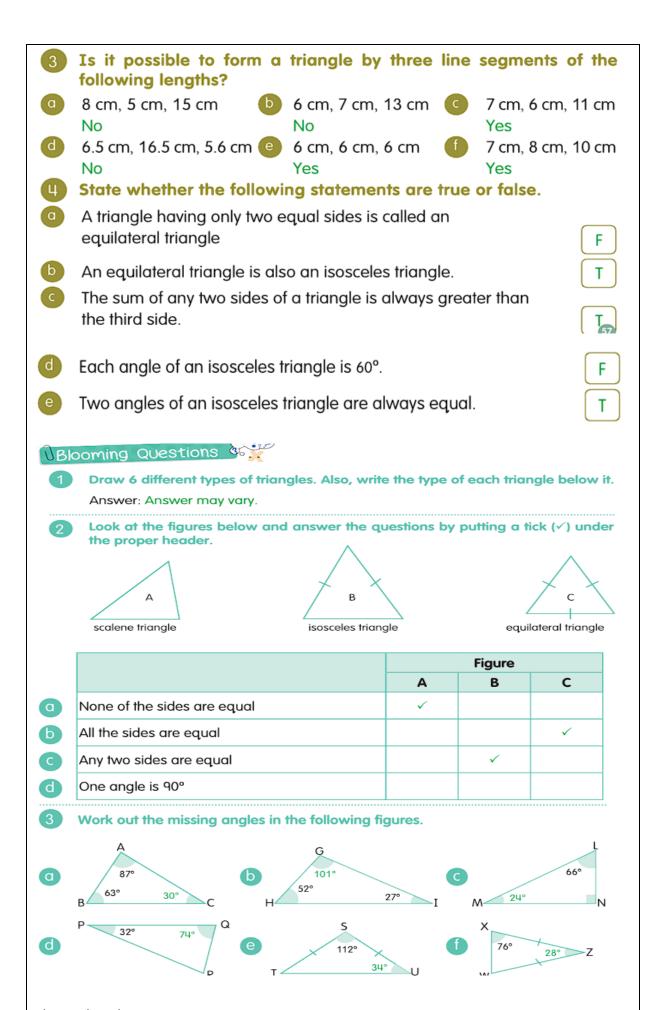


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Match the types of triangles to the correct properties.			
a	Obtuse angled \bigcirc i.	3 sides of equal length	
b	Acute angled Q ii.	2 sides of equal length	
C	Scalene — iii.	All sides are of different lengths	
d	Isosceles right angled \(\sum \) iv	3 acute angles	
е	Isosceles v.	1 right angle	
	Right angled vi	1 obtuse angle	
g	Equilateral & vii	. 1 right angle with two sides of equal length	
5	Can a triangle have		
a	Each angle greater than 60°?	No	
b	Each angle less than 60°?	No	
C	Each angle equal to 60°?	Yes	
6	Fill in the blanks.		
a	A triangle is formed by joining three <u>non collinear</u> points.		
b	A triangle has <u>three</u> sides and <u>three</u> angles.		
C	The sides of a scalene triangle are of <u>different</u> lengths		
d	The sum of any two sides of a triangle is <u>greater</u> than the third side.		
е	The sum of the angles of a triangle is <u>180 degrees</u>		
f	One angle of a right triangle measure <u>90 degrees</u>		
g	If one angle of a triangle measures 120°, it is <u>obtuse triang</u> le		
Post –activity-Mental math problems solve in the NB.			
Sub. T	eacher H.O.D.	Co-ordinator Principal	

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