

RPH Guidelines

BAB 5 Nisbah Trigonometri Trigonometric Ratios

Content Standards (CS)	Learning Standards (LS)	Questions & Performance Levels (PL)		Pages
5.1 Sine, Cosine and Tangent of Acute Angles in Right-angled Triangles <div>Textbook pages 108 - 123</div>	5.1.1 Identify the opposite side and adjacent side based on an acute angle in a right-angled triangle.	Q1	PL1	67
		Q2	PL1	
	5.1.2 Make and verify the conjecture about the relationship between acute angles and the ratios of the sides of right-angled triangles, and hence define sine, cosine and tangent.	Q3	PL2	68-70
		Q4	PL2	
		Q5	PL2	
		Q6	PL2	
	5.1.3 Make and verify the conjecture about the impact of changing the size of the angles on the values of sine, cosine and tangent.	Q7	PL2	70-71
		Q8	PL2	
		Q9	PL3	
	5.1.4 Determine the values of sine, cosine and tangent of acute angles.	Q10	PL3	72-76
		Q11	PL3	
		Q12	PL3	
		Q13	PL5	
		Q14	PL3	
		Q15	PL3	
		Q16	PL4	
		Q17	PL4	
	5.1.5 Determine the values of sine, cosine and tangent of 30° , 45° and 60° angles without using a calculator.	S18	PL3	78
		S19	PL3	
	5.1.6 Perform calculations involving sine, cosine and tangent.	S20	PL3	79
		S21	PL3	
		S22	PL3	
		S23	PL3	
	5.1.7 Solve problems involving sine, cosine and tangent.	S24	PL5	80-81
		S25	PL5	

Teaching Aid	PAK-21	HOTS
Textbook (page 108), A4 paper	Skits	Applying
EMK	i-THINK	Noble Values
Language	...	Confidence

PdPc Ideas

- After learning, each student is asked to draw and label a right-angled triangle.
- Students choose an acute angle on the triangle that is drawn as the beginning of the activity.
- Students need to note down the opposite side and the adjacent side of the triangle respectively.
- Class discussions are conducted based on the students work.