GRADE 8 MATH · CLASSWORK · ADVANCED

Relate Interior Angle Measures in Triangles

SCORE / 25

01 Part A · Practice

The interior angles of every triangle add to 180°.

EXAMPLE

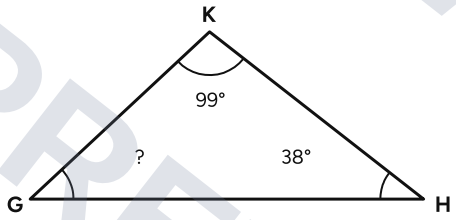
In $\triangle ABC$, $m\angle A = 48°$ and $m\angle B = 77°$. Find $m\angle C$.

1. $m\angle A + m\angle B + m\angle C = 180°$
2. $48 + 77 + m\angle C = 180$
3. $m\angle C = 55°$

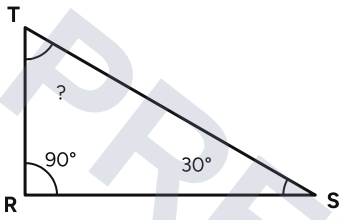
1 ●○○ An isosceles triangle has base angles of 21° each. Find the vertex angle.

2 ●○○ In $\triangle LMN$, $m\angle L = 24°$ and $m\angle N = 53°$. Find $m\angle M$.

3 ●○○ Find the measure of the unknown angle of $\triangle GHK$.



4 ●○○ $\triangle RST$ is a right triangle. Find the missing angle.



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Preview - the full worksheet and its answer key are at primeworksheet.com