GRADE 8 MATH · HOMEWORK

Reason about Parallel Lines

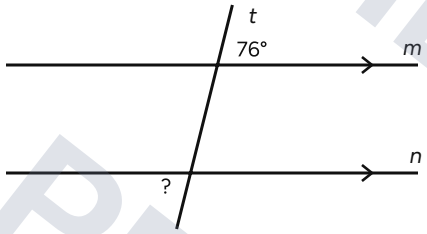
SCORE / 25

01 Part A · Practice

Two lines are parallel if corresponding or alternate angles are congruent, or if same-side interior angles add to 180°.

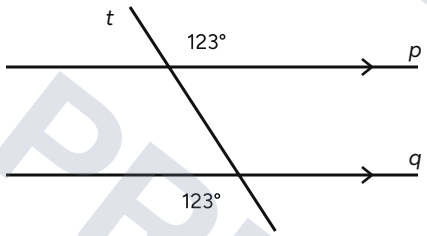
1 ●○○ Corresponding angles measure 132° and $(x + 125)°$. For what value of x are the lines parallel?

2 ●○○ $m\angle 2 = 76°$. What must $m\angle 7$ be for $m \parallel n$? Name the angle pair.



3 ●○○ Lines a and b are cut by a transversal. Alternate exterior angles measure 62° and 62°. Are the lines parallel?

4 ●○○ Are lines p and q parallel? Explain.



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