Complementary and Supplementary Angles Guided Lesson Explanation



We tell that the missing angle is formed when a diagonal line passes across a perfectly straight horizontal line (given). The resulting angle and the 42° are supplementary. This would mean that:



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We tell that the missing angle is formed when a diagonal line passes across a perfectly straight horizontal line (given). The resulting angle and the 120° are supplementary. This would mean that:

 $120^{\circ} + 3x = 180^{\circ}$ This is slightly different in that we need to solve it algebraically. $3x = 180^{\circ} - 120^{\circ}$ $3x = 60^{\circ}$ $x = 60^{\circ}/3$ $x = 20^{\circ}$

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