



Complementary & Supplementary Angles

Name _____

Score _____

CS:27

- 1) x is the measure of an angle. The other angle is thrice of x plus 10. Consider the angles to be complementary and find the measure of the two angles.

- 2) Draw the figure to represent angles on a straight line. One angle is 40° and the other angle is 60° more than twice the first angle.

- 3) In a pair of complementary angles, the first angle is 8° less than the second angle. Find the measure of the smaller angle.

- 4) The ratio of two angles are 5 : 13. If they are supplementary angles, find the measure of the larger angle.

- 5) Draw two right angles to form supplementary angles.



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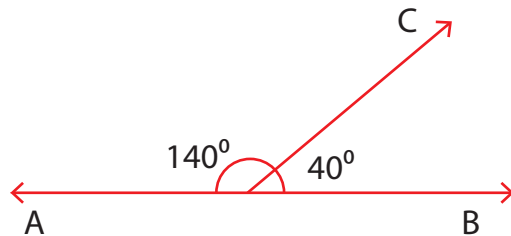
Answer key

CS:27

- 1) x is the measure of an angle. The other angle is thrice of x plus 10. Consider the angles to be complementary and find the measure of the two angles.

The two angles are 15° , 75°

- 2) Draw the figure to represent angles on a straight line. One angle is 40° and the other angle is 60° more than twice the first angle.



- 3) In a pair of complementary angles, the first angle is 8° less than the second angle. Find the measure of the smaller angle.

The smaller angle is 41°

- 4) The ratio of two angles are 5 : 13. If they are supplementary angles, find the measure of the larger angle.

The larger angle is 130°

- 5) Draw two right angles to form supplementary angles.

