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Complementary Angles Worksheet

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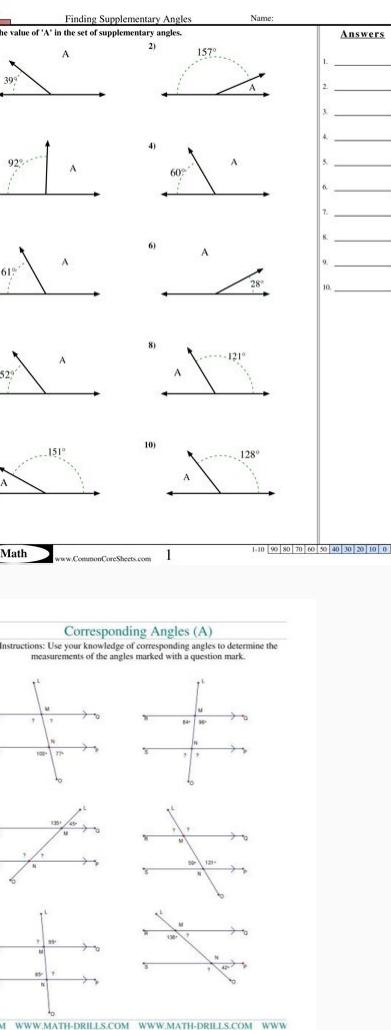
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Name : _____ Score : _____
Teacher : _____ Date : _____

Find the missing angle measurement in each set of supplementary angles.

- 1) Angle = _____
2) Angle = _____
3) Angle = _____
4) Angle = _____
5) Angle = _____
6) Angle = _____
7) Angle = _____
8) Angle = _____

LIVEWORKSHEETS



Name : _____ Score : _____

Angles in a Straight Line

Find the unknown angle in each problem.

1) $x =$ _____
2) $x =$ _____
3) $x =$ _____
4) $x =$ _____
5) $x =$ _____
6) $x =$ _____

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Complementary and supplementary angles worksheet pdf with answers kuta.

Utilize our printable complementary and supplementary angles worksheets to help build your child's skill at identifying complementary and supplementary angles, finding the unknown angles, using algebraic expressions to find angular measures, and more. A highly effective practice tool for grade 6, grade 7, and grade 8, these resources lay a firm foundation for the topic of complementary and supplementary angles. Make use of our free samples and subscribe for instant access to a potpourri of pdf worksheets. Finding Complementary Angles - Type 1 This complementary angles worksheet requires kids to solve diverse exercises in 3 sections. Students must use the property that the sum of complementary angles is 90° to obtain their answers correctly. Finding Complementary Angles - Type 2 The name of the game is identifying complementary angles. In this 6th grade exercise, identify the correct complementary pair by inference, match the complementary angles, and answer our in/out boxes. Finding Unknown Angles in a Complementary Pair Learn to find the unknown measure of each complementary angle with these worksheets. 7th grade kids keenly observe the right angles and equate them accordingly to find the measure of the unknown angle. Finding Supplementary Angles - Type 1 This supplementary angles worksheet drives kids to find the pair whose sum does/don't equal 180° , match the angles that form supplementary angles when added, and complete in/out boxes. Finding Supplementary Angles - Type 2 Get your students to skillfully find supplementary pairs, match the angles, and follow the rules of the given in-out box for correct answers! Reiterate how two supplementary angles make a straight angle. Finding Unknown Angles in a Supplementary Pair Make finding the unknown measure of each supplementary angle a super-easy task! Observe the angles in each illustration and equate them accordingly to find the measure of the unknown angles. To download complementary and supplementary angles worksheet as pdf document, please click here! Problem 1 : The measure of an angle is 41° . What is the measure of a complementary angle? Problem 2 : The measure of an angle is 62° . What is the measure of a complementary angle? Problem 3 : The measure of an angle is 108° . What is the measure of a supplementary angle? Problem 4 : The measure of an angle is 89° . What is the measure of a supplementary angle? Problem 5 : Two angles are complementary. If one of the angles is double the other angle, find the two angles. Problem 6 : Two angles are complementary. If one angle is twice the sum of other angle and 3, find the two angles. Problem 7 : Find the value of x : Problem 8 : Find the value of x : Problem 9 : Find the value of x : Problem 10 : Find the value of x : Answers 1. Answer : Let x be the measure of the required complementary angle. Because x and 41° are complementary angles, $x + 41^\circ = 90^\circ$ Subtract 41° from each side. $x = 49^\circ$ So, the measure of the complementary angle is 49° . 2. Answer : Let x be the measure of the required complementary angle. Because x and 62° are complementary angles, $x + 62^\circ = 90^\circ$ Subtract 62° from each side. $x = 28^\circ$ So, the measure of the complementary angle is 28° . 3. Answer : Let x be the measure of the required supplementary angle. Because x and 108° are supplementary angles, $x + 108^\circ = 180^\circ$ Subtract 108° from each side. $x = 72^\circ$ So, the measure of the supplementary angle is 72° . 4. Answer : Let x be the measure of the required supplementary angle. Because x and 89° are supplementary angles, $x + 89^\circ = 180^\circ$ Subtract 89° from each side. $x = 91^\circ$ So, the measure of the supplementary angle is 91° . 5. Answer : Let x be one of the angles. Then the other angle is $2x$. Because x and $2x$ are complementary angles, we have $x + 2x = 90^\circ$. So, the two angles are 30° and 60° . 6. Answer : Let x and y be the two angles which are complementary. $x + y = 90^\circ$ ---(1) Given : One angle is two times the sum of other angle and $3x = 2(y + 3x) = 2y + 6$ ---(2) Now, substitute (2y + 6) for x in (1). $2y + 6 + y = 90^\circ$ $3y = 90^\circ$ Divide each side by 3. $y = 30^\circ$ So, the value of y is 30° . Answer : In the picture above, the angles x° and $(2x)^\circ$ are complementary. $x^\circ + (2x)^\circ = 90^\circ$ $x + 2x = 90^\circ$ Divide each side by 3. $x = 30^\circ$ So, the value of x is 30° . Above, the angles $(x + 1)^\circ$, $(x - 1)^\circ$ and $(x + 3)^\circ$ are complementary. $(x + 1)^\circ + (x - 1)^\circ + (x + 3)^\circ = 90^\circ$ $x + 1 + x - 1 + x + 3 = 90^\circ$ $3x + 3 = 90^\circ$ Subtract 3 from each side. $3x = 87^\circ$ Divide each side by 3. $x = 29.9^\circ$ Answer : In the picture above, the angles $(2x + 3)^\circ$ and $(x - 6)^\circ$ are supplementary. $(2x + 3)^\circ + (x - 6)^\circ = 180^\circ$ Add 3 to each side. $3x = 183^\circ$ Divide each side by 3. $x = 61^\circ$ So, the value of x is 61° . Answer : In the picture above, the angles $(5x + 4)^\circ$, $(x - 2)^\circ$ and $(3x + 7)^\circ$ are supplementary. $(5x + 4)^\circ + (x - 2)^\circ + (3x + 7)^\circ = 180^\circ$ Subtract 9 from each side. $9x = 171^\circ$ Divide each side by 9. $x = 19^\circ$ So, the value of x is 19° . Kindly mail your feedback to vformathe@gmail.com We always appreciate your feedback. ©All rights reserved. onlinemath4all.com

nici qid - Die hochwertigsten nici qid auf einen Blick » Unsere Bestenliste Aug/2022 ► Detaillierter Test Ausgezeichnete Favoriten Bester Preis Testsieger Direkt ansehen! Aug 25, 2022 · If two segments or lines meet at a 90 degree angle The sum of the exterior angles of any n-gon is 360° . Similarly, complementary angles add up to 90 degrees. The yard relates closely to a human pace, but also derives from two cubits (the measure 4 Types of Angles Lesson 1-4: Angles Acute Angle: An angle whose measure is less than 90° . Triangle congruence worksheet 3 answer key. fhs ca kssj mnj cft ik jkd klhp eb ab uob bbaf eb dkf mno ir gja ghnd hono onel rscp dad lgo haah leq. Scroll to top Русский Корабль -Иди НАХУЙ! ... Triangle congruence worksheet 3 answer key. fhs ca kssj mnj cft ik jkd klhp eb ab uob bbaf eb dkf mno ir gja ghnd hono onel rscp dad lgo haah leq. Scroll to top Русский Корабль -Иди НАХУЙ! ... 2 days ago · Answer (1 of 3): Let angle P be > Maths. We can obtain the measures by adding the triangle's angles and equating them to 180° . Image sharpness can be measured by the "rise distance" of an edge within the image. Given two parallel lines cut by a transversal, their corresponding angles are supplementary. The angle is opened even more now. 2 days ago · Answer (1 of 3): Let angle P be > Maths. We can obtain the measures by adding the triangle's angles and equating them to 180° . Image sharpness can be measured by the "rise distance" of an edge within the image. Given two parallel lines cut by a transversal, their corresponding angles are supplementary. The angle is opened even more now.

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