

Angle Decomposition Practice

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4th Grade Math Practice

Name: _____

Date: _____

Solve each problem. Show your work when needed.

1. If angle A measures 60 degrees and angle B measures 30 degrees, what is the sum of angle A and angle B?
2. A straight angle measures 180 degrees. If one angle measures 110 degrees, what is the measure of the other angle?

3. Circle the greater angle: 45° or 60°
4. What angle measure comes next? 30° , 60° , 90° , ____
5. An angle measuring 90° is an acute angle.
 True False
6. Calculate the measure of angle C if angle D is 45 degrees and angle C + angle D = 90 degrees.
7. A triangle has one angle measuring 50 degrees and another measuring 60 degrees. What is the measure of the third angle?

8. If angle E measures 120 degrees, how many degrees are left to make a full circle?
9. Sarah has an angle of 75 degrees. If she splits it into two smaller angles, one measuring 45 degrees, what is the measure of the other angle?

10. Which angle is obtuse: 100° or 80° ?
11. What angle measure comes next in this sequence? 10° , 20° , 30° , ____
12. All angles that measure between 0° and 90° are obtuse angles.
 True False
13. If angle F measures 30 degrees, how many degrees would you need to add to it to make a straight angle?

14. An angle measures 150 degrees. If it is decomposed into two angles, one measuring 90 degrees, what is the measure of the other angle?

15. What is the total measure of angles in a triangle?

Answer Key

1. 90 2. 70 3. 60 4. 120 5. False 6. 45 7. 70 8. 240 9. 30 10. 100 11. 40 12. False 13. 150 14. 60 15. 180