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## PAIRS OF ANGLES WORKSHEETS

Q.1 Which of the following pairs of angles are complementary angles.

- a.  $45^\circ, 55^\circ$
- b.  $45^\circ, 35^\circ$
- c.  $40^\circ, 50^\circ$
- d.  $60^\circ, 55^\circ$

Q.2 The sum of the measures of two angles is  $180^\circ$  they are known as\_\_\_\_\_.

Q.3 An angle whose measure is between 0 degrees to 90 degrees is called\_\_\_\_\_

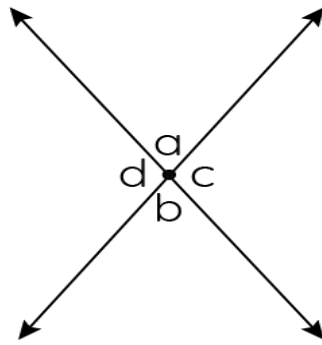
- a. Acute Angle
- b. Obtuse angle
- c. Straight Angle
- d. Reflex Angle

Q.4 Match the followings:

- a. Complementary angles      p-Sum of two angles equal to  $180^\circ$
- b. Supplementary angles,      q-Sum of two angles equal to  $90^\circ$
- c. Vertical angles,      r- angles on zigzag line
- d. Alternate interior angles      s- angles formed by intersecting lines.

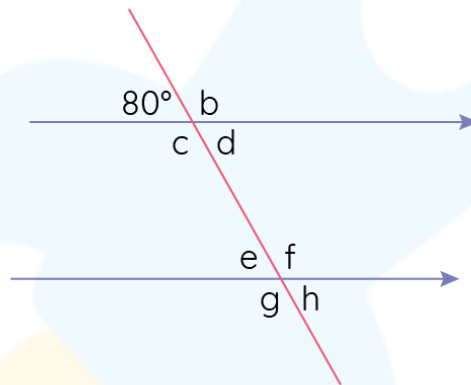
Q.5 The Complementary of an 80-degree angle is?

Q.6 Angle 'a' measures 66 degrees. What are the measurements of angles 'c' and 'd'?



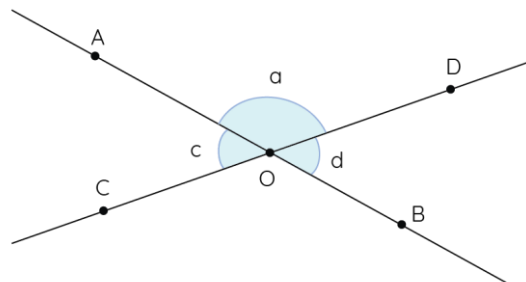
Q.7 700 is the difference in the measures of two complementary angles. Find the measures of the angles.

Q.8 In the given diagram, find the values of the angles g and h.



Q.9 The sum of two adjacent angles is 120. If the ratio between two angles is 7:5. Find the measures of two angles.

Q.10 Two lines AB and CD intersect at O, forming the angles as shown below:



If  $a:c = 4:5$ , what is the value of d?

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- Barbara Cabrera

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**ANSWERS**

1. c. $40^\circ$ , $50^\circ$	2. Supplementary angles	3. a. Acute Angle	4. a.-q b.-p c.-s d.-r	5. 10 degree
6. c= $114^\circ$ , d= $114^\circ$	7. $80^\circ$	8. $80^\circ$ , $80^\circ$	9. $70^\circ$ , $50^\circ$	10. d= $40^\circ$