

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: IX

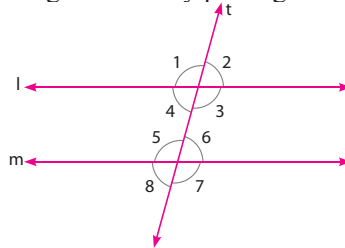
Date:

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Match the Columns

1. Observe Fig. 4.13, then match the following columns by placing the correct letter in square box.



Column I	Column II
(i) Vertically opposite angles	(a) $\angle 1$ and $\angle 2$
(ii) Corresponding angles	(b) $\angle 4$ and $\angle 6$
(iii) Adjacent angles	(c) $\angle 1$ and $\angle 3$
(iv) Alternate interior angles	(d) $\angle 2$ and $\angle 6$
(v) Alternate exterior angles	(e) $\angle 3$ and $\angle 6$
(vi) Interior angles on the same side of the transversal	(a) $\angle 2$ and $\angle 8$

- (i) \longrightarrow
- (ii) \longrightarrow
- (iii) \longrightarrow
- (iv) \longrightarrow
- (v) \longrightarrow
- (vi) \longrightarrow

2. Match the following columns by placing the correct letter in square box.

Column I	Column II
(i) Angle equal to its complement	(a) 60°
(ii) Angle 60° less than its supplement is	(b) 45°
(iii) An angle of triangle is equal to the sum of the other two angles, then the angle is equal to	(c) 55°
(iv) Exterior angle of a triangle whose interior opposite angles are 20° and 35° is	(d) 90°

- (i) \longrightarrow
- (ii) \longrightarrow
- (iii) \longrightarrow
- (iv) \longrightarrow