



INDIAN SCHOOL AL WADI AL KABIR

Class IX, Mathematics (2025-26)

BRIDGE COURSE WORKSHEET 4_GEOMETRY

Name :

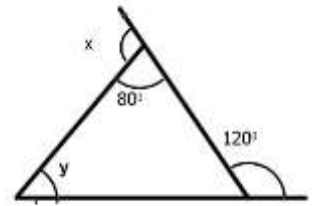
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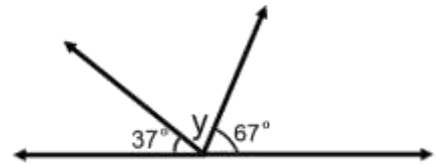
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Q1. If the three angles of a triangle are x , $(x + 20^\circ)$, and $(x + 40^\circ)$. Then, what is the value of x ?

Q2. The value of x and y in given triangle.

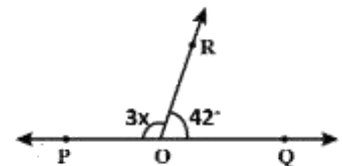


Q3. In the below given figure, what is the value of y ?



Q4. Find the supplement of each of the following angles:
a) two third of a right angle. b) 57° c) 132°

Q5. Find the value of ' x ' in the given figure.



Q6. If the difference in the measure of two complementary angles is 12° , find the measure of the two angles.

Q7.	$\angle 1$ and $\angle 2$ are complementary angles. $\angle 2$ and $\angle 3$ are supplementary angles. If $\angle 1 = 45^\circ$, then what is the measure of $\angle 3$?
Q8.	Identify 2 pairs of adjacent angles from the given figure.
Q9.	In the given figure, if $\angle POR = 50^\circ$, find $\angle QOR$ and $\angle QOS$. Give reasons for your answer.
Q10.	If the dimensions of a rectangle are 15 cm and 8 cm, then find the length of a diagonal of the rectangle.
Q11.	If the legs of a table make an angle of 40° with the floor, as shown in the figure. Then, what is the measure of x and y .
Q12.	Check whether the given lines l and m are parallel. Give reasons