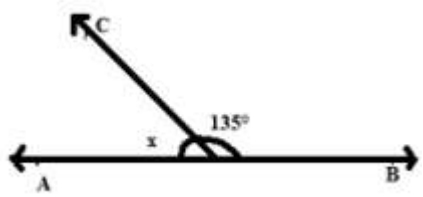
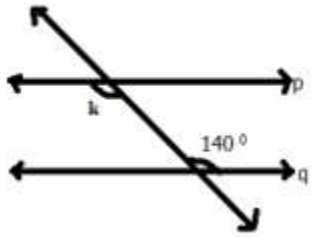
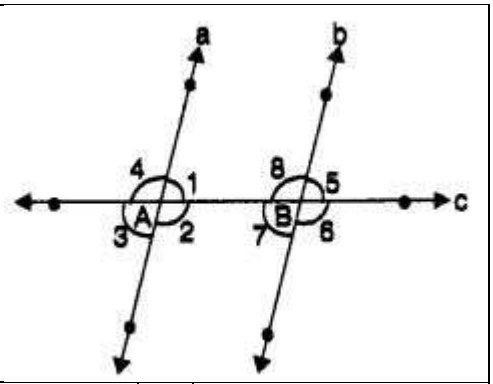
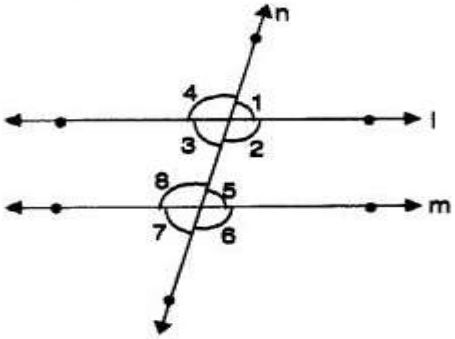
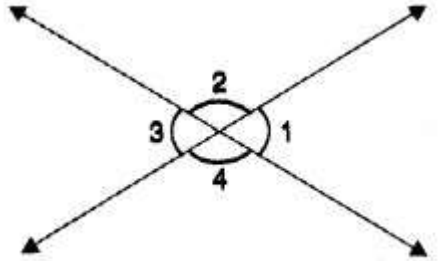
INDIAN SCHOOL AL WADI AL KABIR

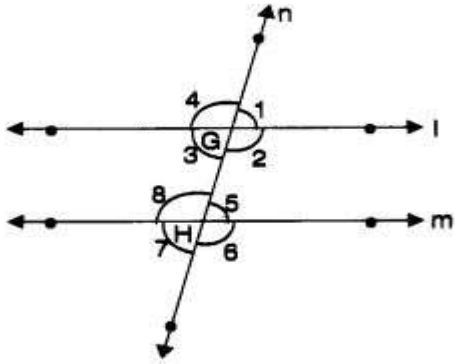
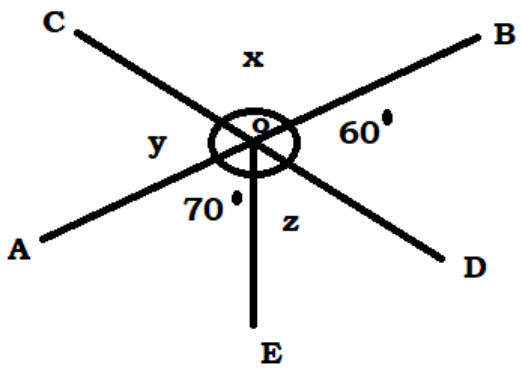
Class VII, Mathematics

LINES & ANGLES WORKSHEET- (MCQ)

Multiple Choice questions

Q.1.	The complementary angle of 59^0						
	A	121^0	B	31^0	C	17^0	D	22^0
Q.2.	In a linear pair , one angle is 49^0,then the measure of the other angle is						
	A	49^0	B	120^0	C	131^0	D	180^0
Q.3.	Find the value of x in figure 						
	A	135^0	B	45^0	C	60^0	D	35^0
Q.4.	In figure p and q are parallel lines ,the value of k is 						
	A	40^0	B	50^0	C	110^0	D	140^0
Q.5.	Find the measure of the angle which is double of its complementary angle?						
	A	60°	B	30°	C	120°	D	45°
Q.6.	In the following figure, a transversal c intersects two parallel lines a and b at A and B respectively and the angles formed at A and B are marked. Which of the following pairs of						

	angles need not be equal? 							
	A	∠1, ∠2	B	∠1, ∠3	C	∠1, ∠5	D	∠2, ∠8
Q.7.	Which of the following statements is true?							
	A	Two acute angles can be supplementary.	B	Two right angles can be supplementary.	C	Two obtuse angles can be supplementary.	D	One obtuse angle and one acute angle cannot be supplementary
Q8.	In the following figure, which pair of angles are not corresponding angles? 							
	A	∠1, ∠5	B	∠2, ∠6	C	∠3, ∠7	D	∠3, ∠5
Q9	In the following figure, if ∠1 + ∠3 = 120°, then ∠2 + ∠4 is equal to 							
	A	60°	B	120°	C	240°	D	80°

Q10	In the following figure, a transversal cuts two parallel lines l and m at points G and H respectively and the angles thus formed are marked. If ∠1 is an acute angle, then, which of the following statements is false? 							
	A	∠1 + ∠2 = 180°	B	∠2 + ∠5 = 180°	C	∠3 + ∠8 = 180°	D	∠2 + ∠6 = 180°.
FILL IN THE BLANKS								
Q11	When two lines intersect at a point ---------- angles are equal							
Q12	When a transversal cut a pair of lines ,there are ------pairs of alternate interior angles							
Q13	In adjacent angles, if non common are opposite rays it forms ------							
Q14	The supplementary angle of 68^0 is ----------							
Q15	When a transversal cut a pair of parallel lines the co-interior angles are ----------							
	CASE STUDY: Math teacher draws a straight line AB shown on the black board as per following figure (i)Now teacher told Sanjay to draw another line CD as in figure. (ii) Teacher told Ajay to mark $\angle AOC$ as y (iii) Suraj was told to mark $\angle DOE$ as z (iv) Mano marked $\angle BOC$ as x (v) Tom marked $\angle BOD$ as 60^0 Now answer the following questions. 							
Q 16	What is the value of x ?							
	A	70^0	B	120^0	C	60^0	D	50^0
Q 17	What is the value of y?							
	A	60^0	B	40^0	C	70^0	D	120^0

Q 18	The complementary angle of z							
	A	80^0	B	90^0	C	50^0	D	40^0
Q 19	The angles $\angle AOE$ and $\angle DOE$ are							
	A	Complementary angles	B	Adjacent angles	C	Supplementary angles	D	Linear pair
Q 20	Which of the following is adjacent supplementary angles?							
	A	$\angle AOC \& \angle AOE$	B	$\angle DOE \& \angle BOC$	C	$\angle AOC \& \angle BOC$	D	$\angle DOE \& \angle BOD$

ANSWERS

1.	B)31^0	2.	B) 131^0	3.	B) 45^0	4.	D) 140^0
5.	A) 60°	6.	A) $\angle 1, \angle 2$	7.	B)	8.	D) $\angle 3, \angle 5$
9.	C) 240°	10.	D) $\angle 2 + \angle 6 = 180°$.	11.	Vertically opposite	12.	2
13.	Linear pair	14.	112^0	15.	Supplementary	16.	B) 120^0
17.	A) 60^0	18.	D) 40^0	19.	B) Adjacent angles	20.	C) $\angle AOC \& \angle BOC$