INDIAN SCHOOL AL WADI AL KABIR

Class VII, Mathematics ***Worksheet- Lines and Angles(MCQ)***

18-09-2021

OBJECTIVE TYPE (1 Mark)

Q.1. The complement of the 28°

	A	80°	**B**	62°	**C**	57°	**D**	60°

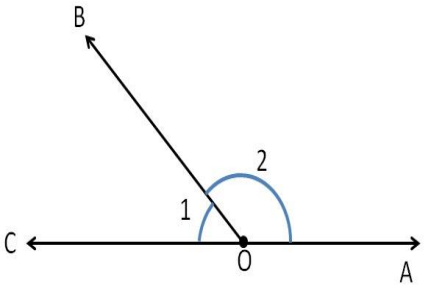
Q.2. Supplementary adjacent angles form a -------

	A	Linear pair	**B**	Vertically opposite angles	**C**	Complementary angles	**D**	Co – interior angles

Q.3. The measure of equal supplementary angles

	A	135°	**B**	145°	**C**	90°	**D**	45°

Q.4.



In the given figure if ∠2 = 125°, find the measure of ∠1

	A	115°	**B**	100°	**C**	55°	**D**	105°

Q.5. Which of the following pairs of angles are not supplementary?

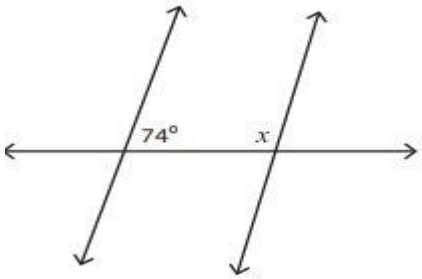
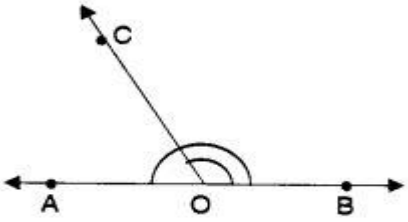
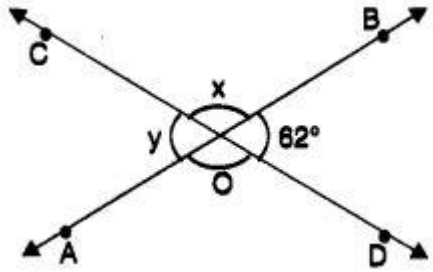
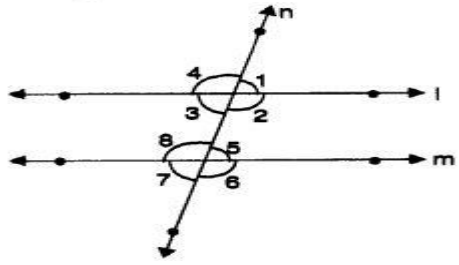
	A	130° and 50°	**B**	120° and 70°	**C**	95° and 85°	**D**	150° and 30°

Q.6. When two lines intersect at a point each pair of ---------angles are equal

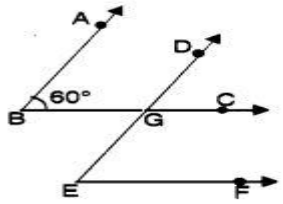
	A	adjacent	**B**	interior	**C**	Vertically opposite	**D**	None of these

Q.7. Which of the following statements is true?

	A	Two acute angles can be complementary to each other	**B**	Two obtuse angles can be complementary to each other	**C**	Two right angles can be complementary to each other	**D**	One obtuse angle and one acute angle can be complementary to each other

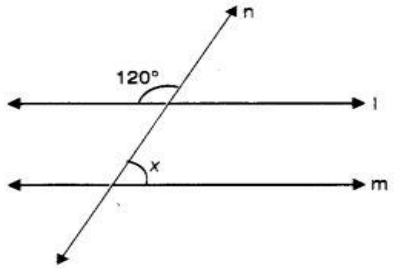
8.	 In the given figure, the value of x is							
	A	90°	**B**	106°	**C**	74°	**D**	70°
9	 In the given figure, ∠ AOB and ∠ BOC are							
	A	complementary angles	**B**	supplementary angles	**C**	adjacent angles	**D**	none of these
10	In the following figure, two straight lines AB and CD are intersecting each other at the point 0 and the angles thus formed at 0 are marked, then the value of ∠x – ∠y is 							
	A	56°	**B**	118°	**C**	62°	**D**	180°
11	In the following figure, tell which pair of angles are not corresponding angles? 							
	A	∠1, ∠5	**B**	∠2, ∠6	**C**	∠3, ∠7	**D**	∠3, ∠5
12	Find the measure of the angle which is half of its supplementary angle?							
	A	60°	**B**	120°	**C**	90°	**D**	45°

13 n the following figure, AB || DG and BC || EF. Also, ∠ABC = 60°. Then, the measure of ∠DEF is



	A	30°	**B**	60°	**C**	120°	**D**	45°

14



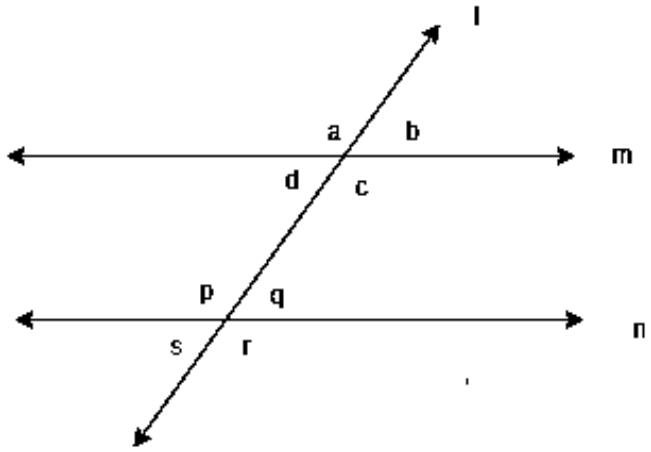
in figure find the value of x

	A	60°	**B**	120°	**C**	70°	**D**	90°

15 The angle which makes a linear pair with an angle of 41° is of

	A	49°	**B**	61°	**C**	122°	**D**	139°

16



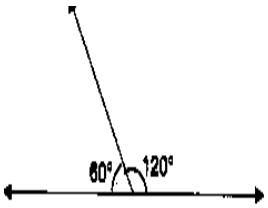
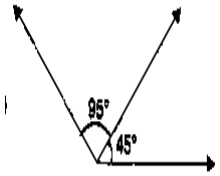
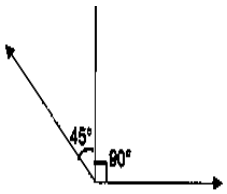
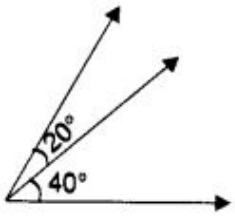
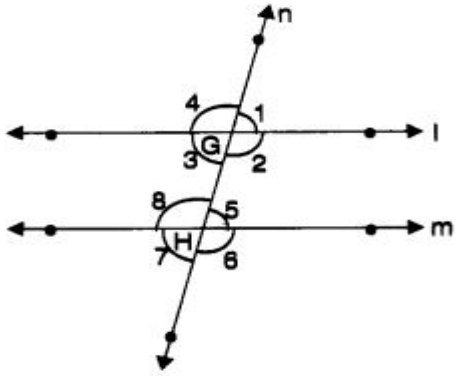
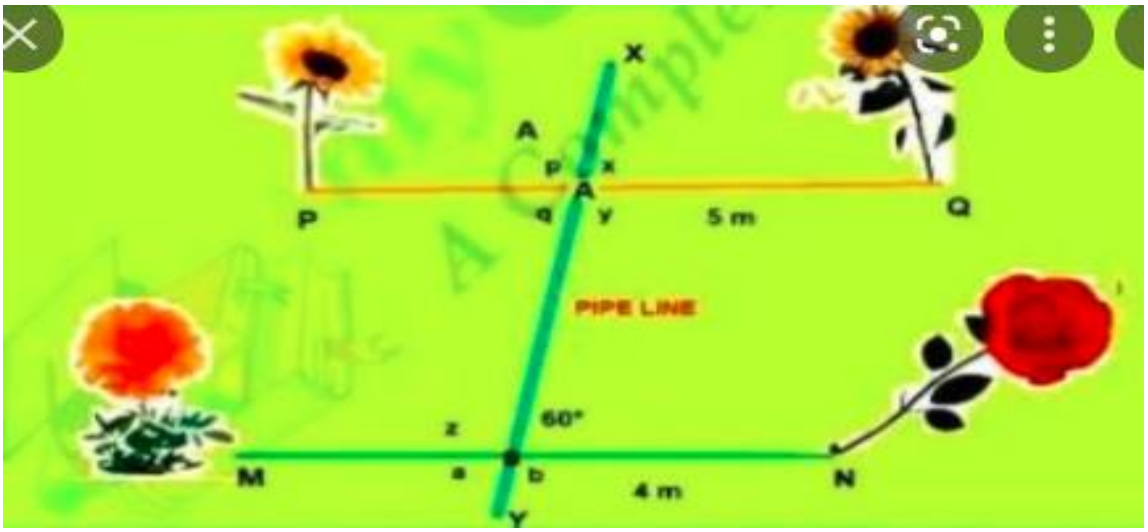
m and n are parallel lines and l is the transversal

Match the column

Column I	Column II
(x) Alternate interior	(i) Angle q and b
(y) Alternate exterior	(ii)Angle p and c
(z) Corresponding	(iii) Angle r and a

17 Which of the following pairs of angles is not a pair of complementary angles?

	A	60°, 30°	**B**	66°, 34°	**C**	0°, 90°	**D**	50°, 40°

18	Which of the following pairs of angles form a linear pair?							
	A		**B**		**C**		**D**	
19	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°
	Case study: Once 4 students from class VII selected for plantation of flower plants in the school garden. The selected students Pankaj, Raju ,Deepak and Renu  As shown as PQ and MN are parallel lines Pankaj planted sunflower plant at P and Raju planted another sunflower plant at Q. Deepak planted Marigold at M and Renu planted Rose plant at N .There was a pipe line XY intersect MN and PQ. ∠XBN = 60^0							
20	What is the measure of ∠z?							
	A	60^0	**B**	120^0	**C**	80^0	**D**	50^0
21	What is the measure of ∠x?							

	A	60^0	**B**	120^0	**C**	180^0	**D**	100^0
22		What ids the value of p +q						
	A	120^0	**B**	60^0	**C**	180^0	**D**	100^0
23		Which angle is corresponding to ∠a?						
	A	b	**B**	q	**C**	x	**D**	y
24		The angles q and z are ----------angles						
	A	Alternate Interior	**B**	Corresponding	**C**	Vertically opposite	**D**	Co-Interior angles
25		Which of the following is true?						
	A	$Y=60^0$		P=y	**C**	$a= 120^0$	**D**	x=y

ANSWERS

1.B	2.A	3.C	4.C	5.B
6.C	7.A	8.B	9.D	10.A
11.D	12.A	13.B	14.A	15.D
16.x—i Y ---iii Z ---ii	17.B	18.A	19.D	20.B
21.A	22.C	23.B	24.D	25.B