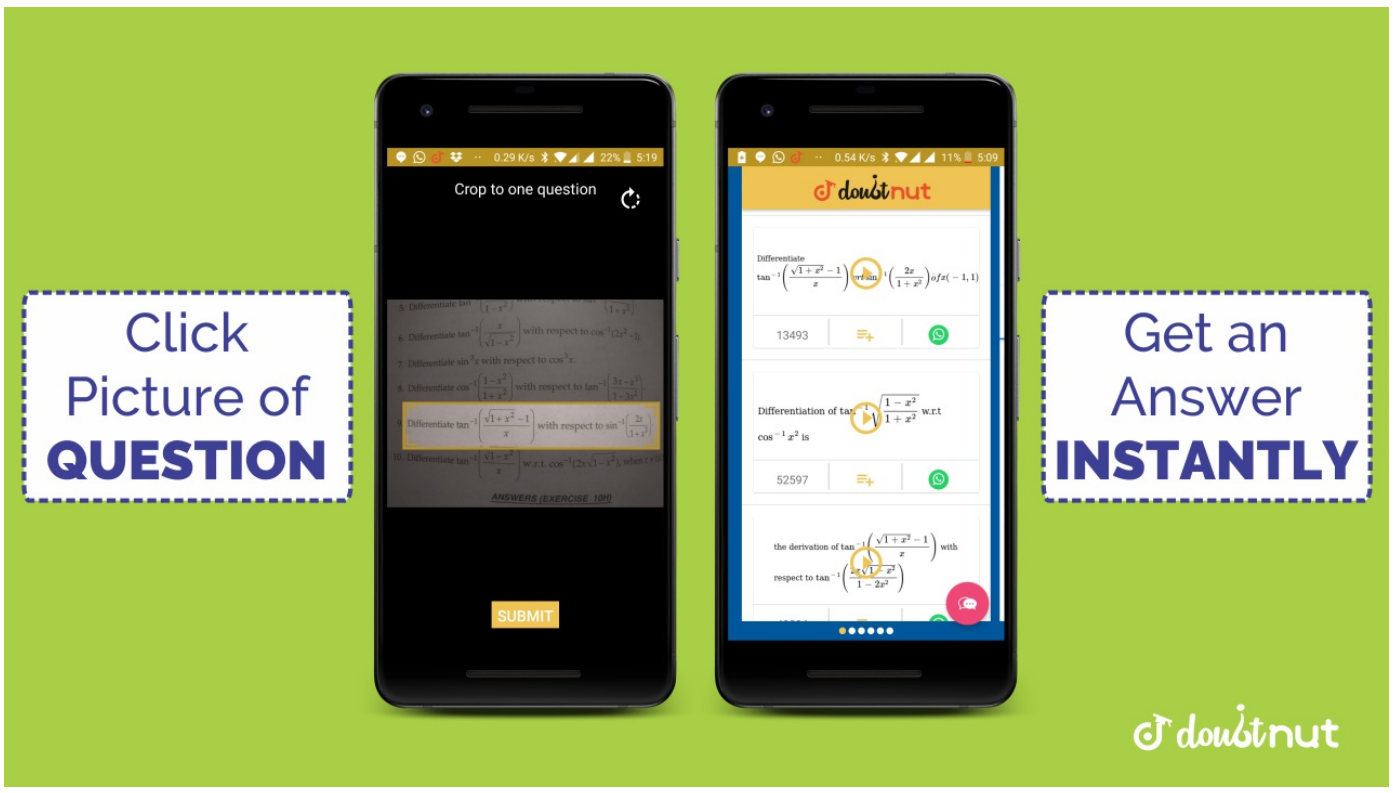
NCERT MATHS SOLUTIONS

Class - 7 || LINES AND ANGLES

Ques No.	Question
1	**NCERT - CLASS 7 - CHAPTER 5 LINES AND ANGLES - EXERCISE 5.1 - Q 1** Find the complement of each of the following angles:
2	**NCERT - CLASS 7 - CHAPTER 5 LINES AND ANGLES - EXERCISE 5.1 - Q 2** Find the supplement of each of the following angles:
3	**NCERT - CLASS 7 - CHAPTER 5 LINES AND ANGLES - EXERCISE 5.1 - Q 3** Identify which of the following pairs of angles are complementary and which are supplementary
4	**NCERT - CLASS 7 - CHAPTER 5 LINES AND ANGLES - EXERCISE 5.1 - Q 4** Find the angle which is equal to its complement
5	**NCERT - CLASS 7 - CHAPTER 5 LINES AND ANGLES - EXERCISE 5.1 - Q 5** Find the angle which is equal to its supplement

6	**NCERT - CLASS 7 - CHAPTER 5 LINES AND ANGLES - EXERCISE 5.1 - Q 6** In the given figure, ?1 and ?2 are supplementary angles. If ?1 is decreased, what changes should take place in ?2 so that both the angles still remain supplementary. Watch Free Video Solution on Doubtnut
7	**NCERT - CLASS 7 - CHAPTER 5 LINES AND ANGLES - EXERCISE 5.1 - Q 7** Can two angles be supplementary if both of them are: (i) acute? (ii) obtuse? (iii) right? Watch Free Video Solution on Doubtnut
8	**NCERT - CLASS 7 - CHAPTER 5 LINES AND ANGLES - EXERCISE 5.1 - Q 8** An angle is greater than 45º. Is its complementary angle greater than 45º or equal to 45º or less than 45º? Watch Free Video Solution on Doubtnut
9	**NCERT - CLASS 7 - CHAPTER 5 LINES AND ANGLES - EXERCISE 5.1 - Q 9** In the adjoining figure: (i) Is ?1 adjacent to ?2? (ii) Is ? And ?EOD form a linear pair? (iv) Are ? AOC adjacent to ?AOE? (iii) Do ?COE BOD and ?DOA supplementary? (v) Is ?1 vertically opposite to ?4? (vi) What is the vertically opposite angle of ?5? Watch Free Video Solution on Doubtnut
10	**NCERT - CLASS 7 - CHAPTER 5 LINES AND ANGLES - EXERCISE 5.1 - Q 10** Indicate which pairs of angles are: (i) Vertically opposite angles. (ii) Linear pairs. Watch Free Video Solution on Doubtnut
	NCERT - CLASS 7 - CHAPTER 5 LINES AND ANGLES - EXERCISE 5.1 - Q 11

11	In the following figure, is 1 adjacent to 2? Give reasons Watch Free Video Solution on Doubtnut
	
12	**NCERT - CLASS 7 - CHAPTER 5 LINES AND ANGLES - EXERCISE 5.1 - Q 12** Find the values of the angles x, y, and z in each of the following: Watch Free Video Solution on Doubtnut
13	**NCERT - CLASS 7 - CHAPTER 5 LINES AND ANGLES - EXERCISE 5.1 - Q 13** Fill in the blanks: (i) If two angles are complementary, then the sum of their measures is _____. (ii) If two angles are supplementary, then the sum of their measures is _____. (iii) Two angles forming a linear pair are _____. (iv) If two adjacent angles are supplementary, they form a _____. (v) If two lines intersect at a point, then the vertically opposite angles are always _____. (vi) If two lines intersect at a point, and if one pair of vertically opposite angles are acute angles, then the other pair of vertically opposite angles are _____. Watch Free Video Solution on Doubtnut
14	**NCERT - CLASS 7 - CHAPTER 5 LINES AND ANGLES - EXERCISE 5.1 - Q 14** In the adjoining figure, name the following pairs of angles. (i) Obtuse vertically opposite angles (ii) Adjacent complementary angles (iii) Equal supplementary angles (iv) Unequal supplementary angles (v) Adjacent angles that do not form a linear pair Watch Free Video Solution on Doubtnut
15	**NCERT - CLASS 7 - CHAPTER 5 LINES AND ANGLES - EXERCISE 5.2 - Q 1** State the property that is used in each of the following statements? (i) If $\angle a \mid \mid \angle b$, then &; /_1= /_5.$(ii) If$ /_4= /_6,$then$a||b.$(iii) If$ /_4+ /_ 5 -180^@$then$a||b.` Watch Free Video Solution on Doubtnut

16	**NCERT - CLASS 7 - CHAPTER 5 LINES AND ANGLES - EXERCISE 5.2 - Q 2** In the adjoining figure, identify (i) the pairs of corresponding angles. (ii) the pairs of alternate interior angles. (iii) the pairs of interior angles on the same side of the transversal. (iv) the vertically opposite angles. Watch Free Video Solution on Doubtnut
17	**NCERT - CLASS 7 - CHAPTER 5 LINES AND ANGLES - EXERCISE 5.2 - Q 3** In the adjoining figure, $p \parallel q$. Find the unknown angles. Watch Free Video Solution on Doubtnut
18	**NCERT - CLASS 7 - CHAPTER 5 LINES AND ANGLES - EXERCISE 5.2 - Q 4** Find the value of x in each of the following figures if $l \parallel m$. Watch Free Video Solution on Doubtnut
19	**NCERT - CLASS 7 - CHAPTER 5 LINES AND ANGLES - EXERCISE 5.2 - Q 5** In the given figure, the arms of two angles are parallel. If ? , then find (i) ?DGC (ii) ? DEF Watch Free Video Solution on Doubtnut
20	**NCERT - CLASS 7 - CHAPTER 5 LINES AND ANGLES - EXERCISE 5.2 - Q 6** In the given figures below, decide whether l is parallel to m. Watch Free Video Solution on Doubtnut
	NCERT - CLASS 7 - CHAPTER 5 LINES AND ANGLES - SOLVED EXAMPLES - Q 1

21	In Fig (5.18) identify: (i) Five pairs of adjacent angles. (ii) Three linear pairs. (iii) Two pairs of vertically opposite angles Watch Free Video Solution on Doubtnut