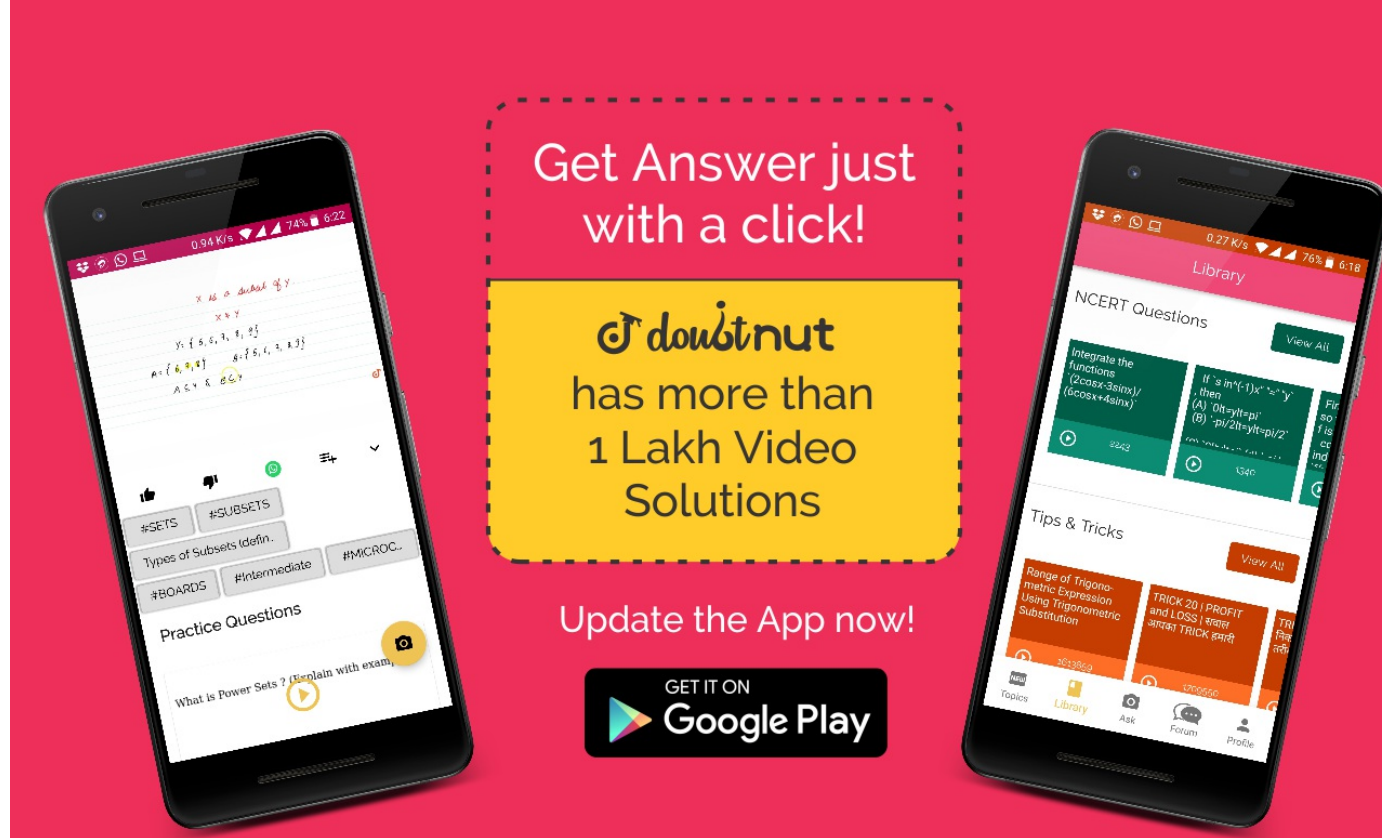


Ques No.	Question
1	<p>NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - EXERCISE 3.1 - Q 6</p> <p>Find the angle measure x in the following figures.</p> <p>▶ Watch Free Video Solution on Doubtnut</p>
2	<p>NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - EXERCISE 3.1 - Q 7</p> <p>(a) Find $x + y + z$ (b) Find $x + y + x + w$</p> <p>▶ Watch Free Video Solution on Doubtnut</p>
3	<p>NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - EXERCISE 3.2 - Q 1</p> <p>Find x in the following figures.</p> <p>▶ Watch Free Video Solution on Doubtnut</p>
4	<p>NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - EXERCISE 3.2 - Q 2</p> <p>Find the measure of each exterior angle of a regular polygon of (i) 9 sides (ii) 15 sides</p> <p>▶ Watch Free Video Solution on Doubtnut</p>
5	<p>NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - EXERCISE 3.2 - Q 3</p> <p>How many sides does a regular polygon have if the measure of an exterior angle is 24°?</p> <p>▶ Watch Free Video Solution on Doubtnut</p>



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NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - EXERCISE 3.2 - Q 4

How many sides does a regular polygon have if each of its interior angles is 165° ?

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NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - EXERCISE 3.2 - Q 5

(a) Is it possible to have a regular polygon with measure of each exterior angle as 22° ? b) Can it be an interior angle of a regular polygon? Why?

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NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - EXERCISE 3.2 - Q 6

(a) What is the minimum interior angle possible for a regular polygon? Why? (b) What is the maximum exterior angle possible for a regular polygon?

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NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - EXERCISE 3.3 - Q 1

Given a parallelogram $ABCD$. Complete each statement along with the definition or property used. (i) $AD =$ (ii) $\angle DCB =$ (iii) $OC =$ (iv) $m\angle DAB + m\angle CDA$

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NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - EXERCISE 3.3 - Q 2

Consider the following parallelograms. Find the values of the unknowns x, y, z .

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NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - EXERCISE 3.3 - Q 3

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Can a quadrilateral $ABCD$ be a parallelogram if (i)

$$\angle D + \angle B$$

$$= 180^\circ$$

? (ii)

$$AB = DC = 8\text{cm},$$

$$AD = 4\text{cm} \text{ and } BC$$

$$= 4.4\text{cm}$$

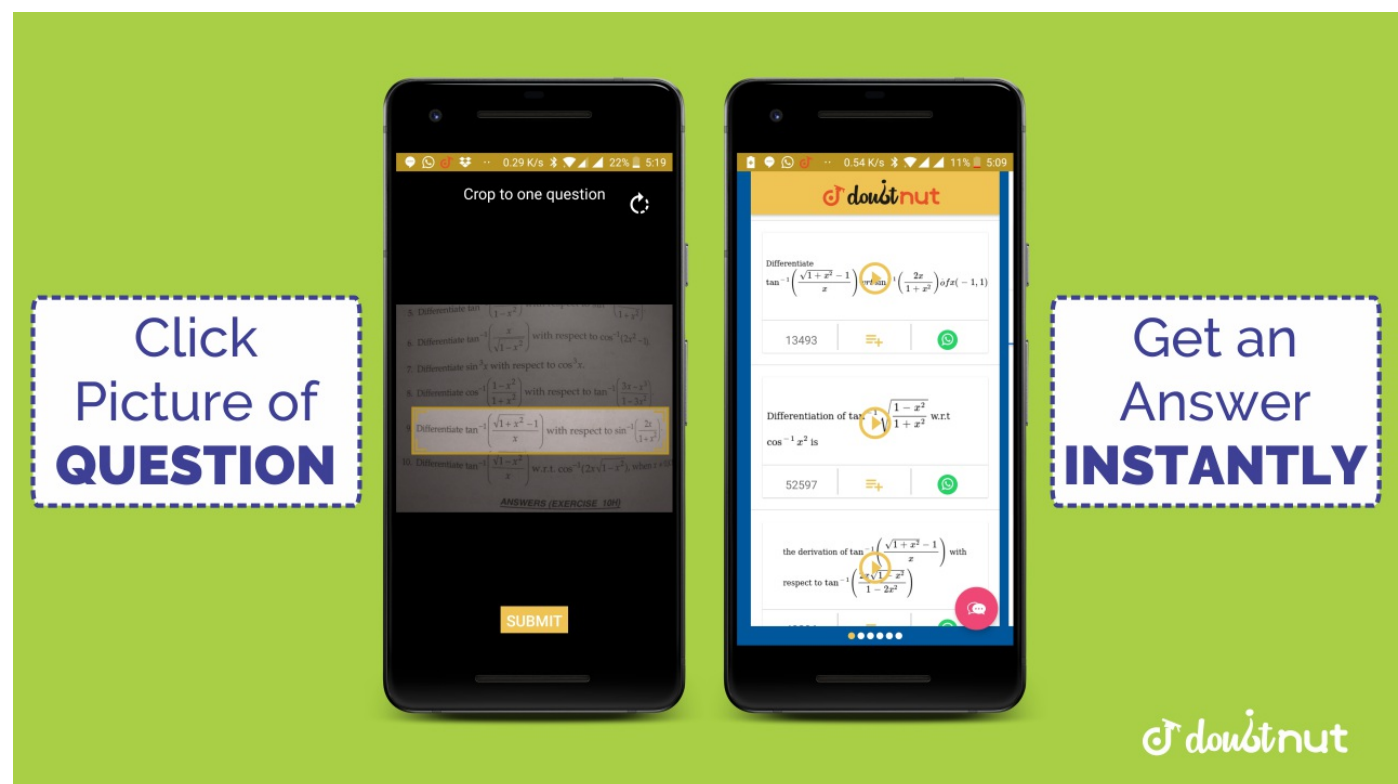
? (iii)

$$\angle A = 70^\circ \text{ and } \angle C$$

$$= 65^\circ$$

?

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NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - EXERCISE 3.3 - Q 5

The measures of two adjacent angles of a parallelogram are in the ratio 3 : 2. Find the measure of each of the angles of the parallelogram.

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NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - EXERCISE 3.3 - Q 6

Two adjacent angles of a parallelogram have equal measure. Find the measure of each of the angles of the parallelogram.

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NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS -

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EXERCISE 3.3 - Q 7

The adjacent figure HOPE is a parallelogram. Find the angle measures x , y and z . State the properties you use to find them.

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NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - EXERCISE 3.3 - Q 8

The following figures GUNS and RUNS are parallelograms. Find x and y . (Lengths are in cm)

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NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - EXERCISE 3.3 - Q 9

In the above figure both RISK and CLUE are parallelograms. Find the value of x .

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NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - EXERCISE 3.3 - Q 10

Explain how this figure is a trapezium. Which of its two sides are parallel? (Fig 3.32)

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NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - EXERCISE 3.3 - Q 11

Find $m\angle C$ in fig 3.33 if $AB \parallel DC$

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NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - EXERCISE 3.3 - Q 12

Find the measure of $\angle C$ and $\angle S$ if $\overrightarrow{SP} \parallel \overrightarrow{RQ}$ in Fig 3.34. (If you find $m\angle R$, is there another method of finding $m\angle C$?)

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NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - SOLVED EXAMPLES - Q 1

Find measure x in Fig 3.9.

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NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - SOLVED EXAMPLES - Q 2

Find the number of sides of a regular polygon whose each exterior angle has a measure of 45° .

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NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - SOLVED EXAMPLES - Q 3

Find the perimeter of the parallelogram PQRS (Fig 3.22).

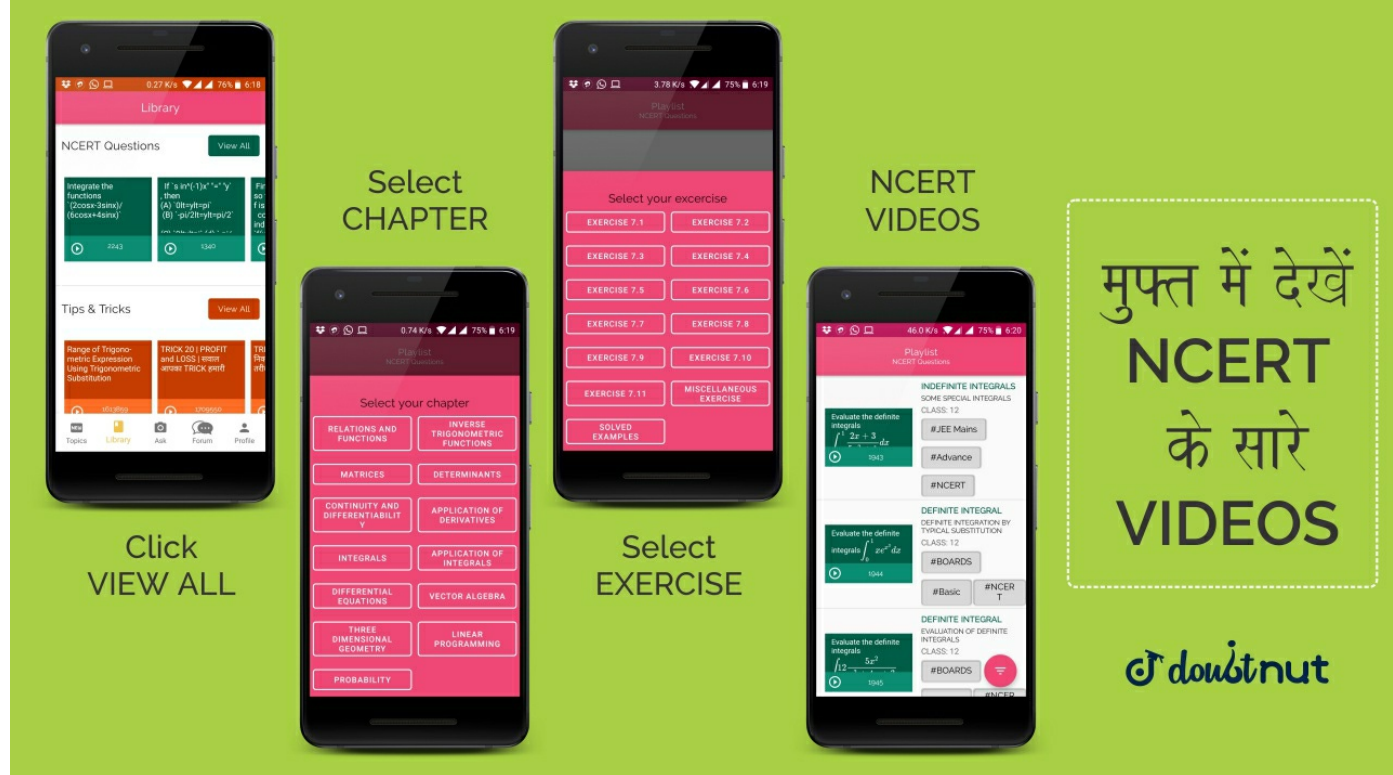
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NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - SOLVED EXAMPLES - Q 4

In Fig 3.26, BEST is a parallelogram. Find the values x , y and z .

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NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - SOLVED EXAMPLES - Q 6

In Fig 3.31 HELP is a parallelogram. (Lengths are in cms). Given that $OE = 4$ and HL is 5 more than PE ? $F \in dOH$.

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NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - SOLVED EXAMPLES - Q 7

RICE is a rhombus (Fig 3.36). Find x, y, z . Justify your findings.

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NCERT - CLASS 8 - CHAPTER 3 UNDERSTANDING QUADRILATERALS - SOLVED EXAMPLES - Q 8

RENT is a rectangle (Fig 3.41). Its diagonals meet at O . Find x , if $OR = 2x + 4$ and $OT = 3x + 1$

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