BOARDS CONCEPTS BOOSTER

PERIMETER AND AREA

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2	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **2. UNITS OF MEASUREMENT OF AREA** 1. Square millimetre Click to LEARN this concept/topic on Doubtnut
3	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **2. UNITS OF MEASUREMENT OF AREA** 2. Square centimetre Click to LEARN this concept/topic on Doubtnut

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5	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **2. UNITS OF MEASUREMENT OF AREA** 4. Square metre Click to LEARN this concept/topic on Doubtnut
6	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **2. UNITS OF MEASUREMENT OF AREA** 5. ARE: The area of a region formed by a square of side one decameter (1 dam) is called an are written as $1dam^2$ or 1 are. Click to LEARN this concept/topic on Doubtnut
7	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **2. UNITS OF MEASUREMENT OF AREA** 6. HECTARES: The area of a region formed by a square of side 1 hectometer (1 hm) is called a hectare written as $1hm^2$. Square Kilometer: The area of a region formed by a square of side 1 km is called a square kilometer written as 1 km^2 . Click to LEARN this concept/topic on Doubtnut
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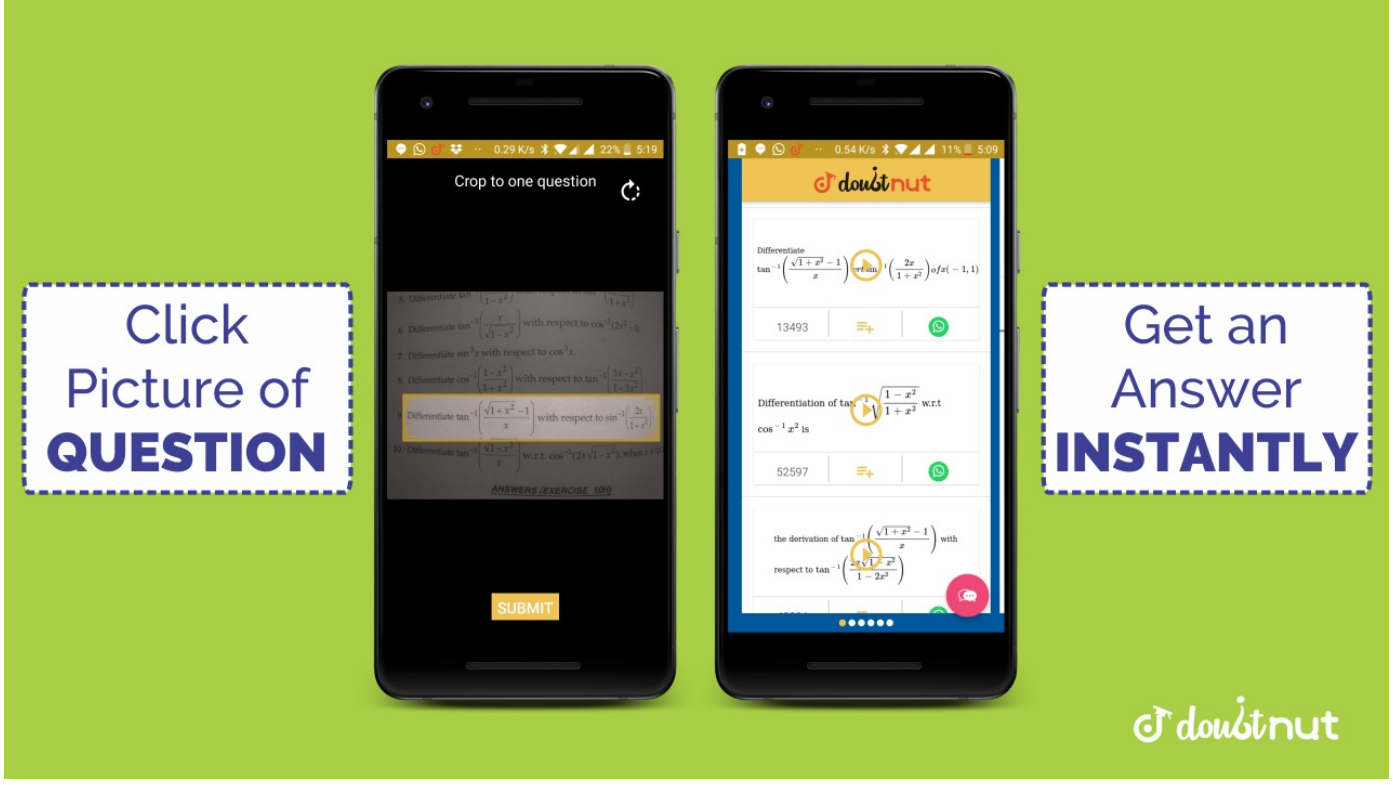

8	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **3. PERIMETER AND AREA OF SQUARES AND RECTANGLES** 1. Perimeter and area of a rectangle Click to LEARN this concept/topic on Doubtnut
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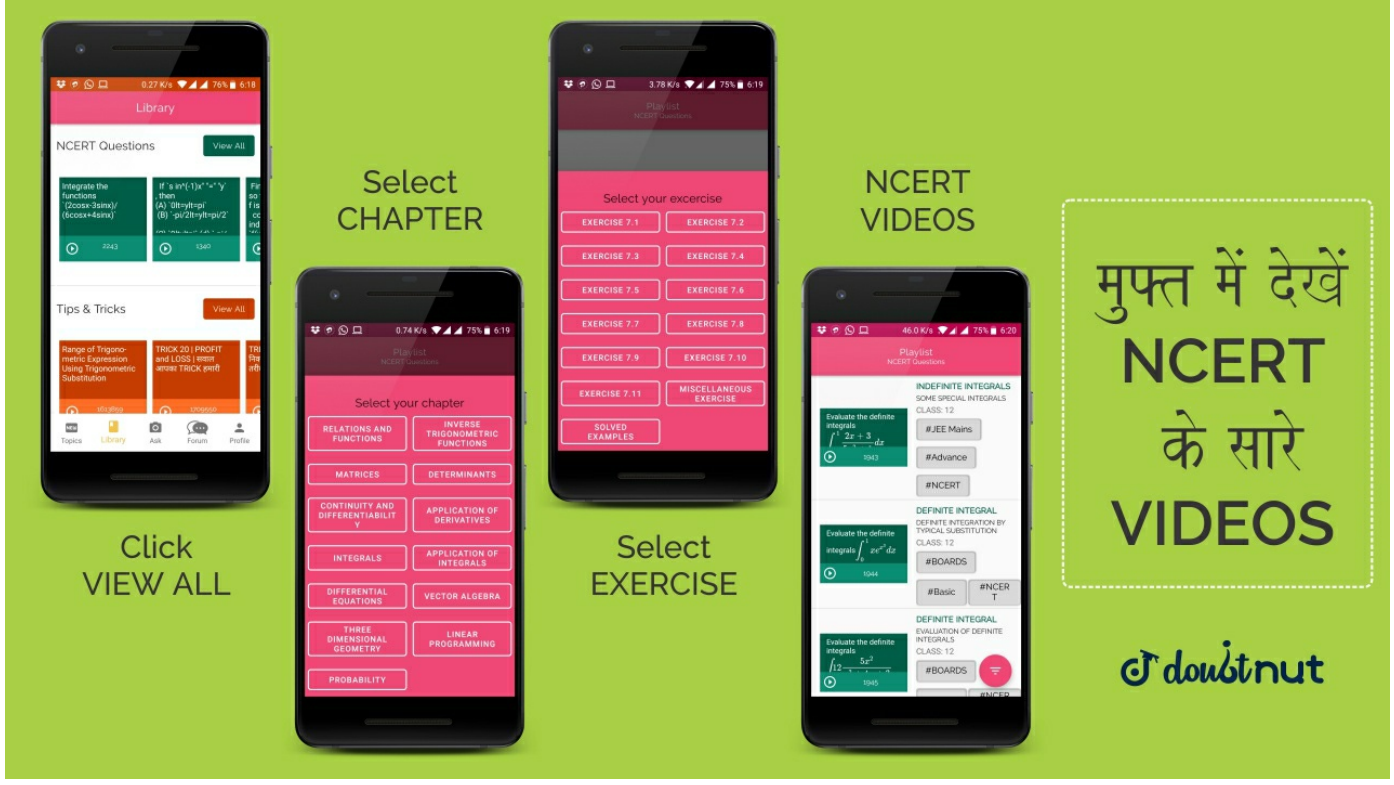
10	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **3. PERIMETER AND AREA OF SQUARES AND RECTANGLES** 3. Area of four walls of a room Click to LEARN this concept/topic on Doubtnut
11	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **3. PERIMETER AND AREA OF SQUARES AND RECTANGLES** 4. Find the area of a rectangular plot one side of which is 48 m and its diagonal 50 m. Click to LEARN this concept/topic on Doubtnut

12	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **3. PERIMETER AND AREA OF SQUARES AND RECTANGLES** 5. The perimeter of a rectangular sheet is 100 cm. If the length is 35 cm find its breadth. Also find the area. Click to LEARN this concept/topic on Doubtnut
13	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **3. PERIMETER AND AREA OF SQUARES AND RECTANGLES** 6. A door of length 1 m and breadth 0.5 m is on a wall. The length of the wall is 4.5 m and the breadth is 3.6 m as shown in Fig. 5. Find the cost of white washing the wall if the rate of white washing the wall is Rs 20 per m^2. Click to LEARN this concept/topic on Doubtnut
14	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **4. AREA BETWEEN RECTANGLES** 1. A rectangular grassy lawn measuring 30m by 28 m is to be surrounded externally by a path which is 2 m wide. Find the cost of levelling the path at the rate of Rs 5 per square metre. Click to LEARN this concept/topic on Doubtnut
15	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **4. AREA BETWEEN RECTANGLES** 2. A rectangular lawn is 30 m by 20 m. It has two roads each 2 m wide running in the middle of it one parallel to the length and the other parallel to the breadth. Find the area of the roads. Click to LEARN this concept/topic on Doubtnut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17	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **5. AREAS OF A PARALLELOGRAM AND A RHOMBUS** 2. Area of rhombus $= \frac{1}{2}$ (Product of the diagonals) Click to LEARN this concept/topic on Doubtnut
18	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **5. AREAS OF A PARALLELOGRAM AND A RHOMBUS** 3. EXAMPLE 8 The area of a parallelogram is $338m^2$. If its altitude is twice the corresponding base determine the base and the altitude. Click to LEARN this concept/topic on Doubtnut
19	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **5. AREAS OF A PARALLELOGRAM AND A RHOMBUS** 4. EXAMPLE 10 Find the area of a rhombus having each side equal to 13 cm and one of whose diagonals is 24 cm. Click to LEARN this concept/topic on Doubtnut

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21	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **6. AREA OF A TRIANGLE** 2. Area of an equilateral triangle Click to LEARN this concept/topic on Doubtnut
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23	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **6. AREA OF A TRIANGLE** 4. EXAMPLE 12 Triangle ABC is isosceles with $AB = AC = 7.5cm$ and $BC = 9cm.$ The height from A to BC i.e. AD is 6 cm. Find the area of $\Delta ABC.$ What will be the height from C to AB ? Click to LEARN this concept/topic on Doubtnut

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25	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **8. CIRCLE** 1. CIRCULAR REGION The part of the circle that consists of the circle and its interior is called the circular region. Click to LEARN this concept/topic on Doubtnut
26	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **8. CIRCLE** 2. CHORD OF A CIRCLE A line segment joining any two point on a circle is called a chord of the circle. Click to LEARN this concept/topic on Doubtnut
27	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **8. CIRCLE** 3. DIAMETER A chord passing through the centre of a circle is known as its diameter. Note that a circle has many diameters and a diameter of a given circle is one of the largest chords of the circle. Also all diameters are of the same length. Click to LEARN this concept/topic on Doubtnut

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29	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **9. CIRCUMFERENCE OF A CIRCLE** 1. The perimeter of a circle is called its circumference. Click to LEARN this concept/topic on Doubtnut
30	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **9. CIRCUMFERENCE OF A CIRCLE** 2. Relation between diameter and circumference Click to LEARN this concept/topic on Doubtnut
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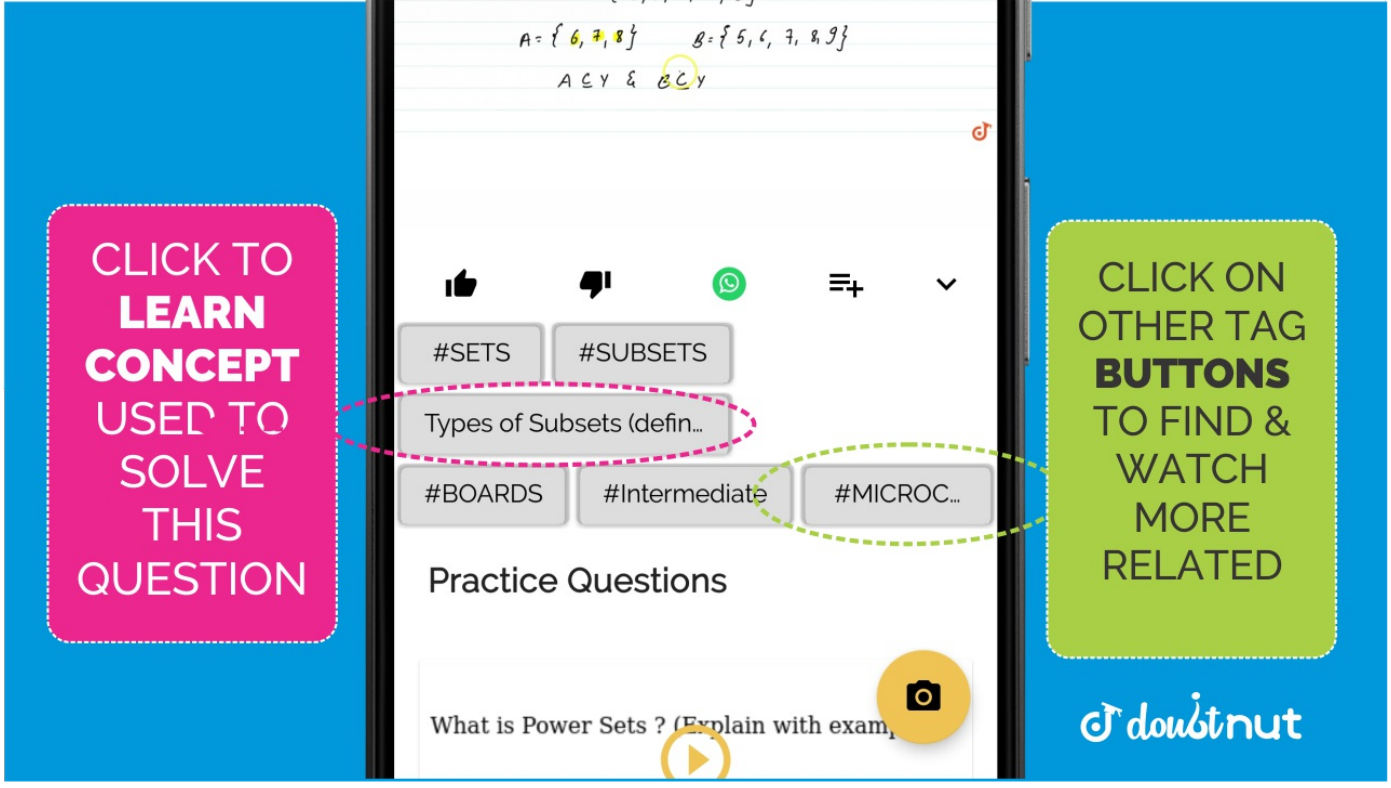

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33	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **11. AREA OF A CIRCLE** 2. The circumference of a circle is $44cm$. Find its area. Click to LEARN this concept/topic on Doubtnut
34	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **11. AREA OF A CIRCLE** 3. A circular grassy plot of land $42m$ in diameter has a path $3.5m$ wide running round it on the outside. Find the cost of gravelling the path at Rs 4 per square metre. Click to LEARN this concept/topic on Doubtnut
35	**CONCEPT FOR BOARDS || Chapter PERIMETER AND AREA** **11. AREA OF A CIRCLE** 4. The areas of two circles are in the ratio $16:25$. Find the ratio of their circumferences. Click to LEARN this concept/topic on Doubtnut
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