


17.	<p>Case Study based-1</p> <p>Madhav, a farmer, has a field for farming. The perimeter of the field is 720 m. If two of its sides are 234 m and 150 m.</p> 
i.	<p>What is the length of the side of the triangular field?</p> <p>a) 326 m</p> <p>b) 336 m</p> <p>c) 236 m</p> <p>d) 226 m</p>
ii.	<p>What is the semi perimeter of the field?</p> <p>a) 350 m</p> <p>b) 360 m</p> <p>c) 370 m</p> <p>d) 260 m</p>
iii.	<p>What is the formula of finding the area of the field if p, q and r are the sides and s is the semi-perimeter of the triangle respectively?</p> <p>a) $\sqrt{s(p-s)(q-s)(r-s)}$</p> <p>b) $\sqrt{(s-p)(s-q)(s-r)}$</p> <p>c) $\sqrt{s(s-p)(s-q)(s-r)}$</p>

	$d) s\sqrt{(s-p)(s-q)(s-r)}$
iv.	What is the area of the field? a) 15120 m ² b) 16120 m ² c) 15020 m ² d) 15220 m ²
v.	What is the length of the perpendicular on the side of length 150 m from the opposite vertex? a) 201 m b) 211.2 m c) 211.6 m d) 201.6 m

