

CLASS 10 BOARDS MATHS SOLUTIONS

YEAR 2017

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Ques No.	Question	
1	CLASS 10 BOARDS MATHS SOLUTIONS - 2017	
	What is the common difference of an A P. in which $a_{21}-a_7=84$	
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2	CLASS 10 BOARDS MATHS SOLUTIONS - 2017 The angle of elevation of the top Q of a vertical tower PQ from a point X on the ground is 60° . From a point y 40 m vertically above X, the angle of elevation the top Q of tower is 45° . Find the height of the tower PQ and the distance PX.(Use $\sqrt{3} = 1.73$) Watch Free Video Solution on Doubtnut	
3	CLASS 10 BOARDS MATHS SOLUTIONS - 2017 If a tower 30 m high, casts a shadow $10\sqrt{3}m$ long on the ground, then what is the angle of elevation of the sun ? • Watch Free Video Solution on Doubtnut	
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4



CLASS 10 BOARDS MATHS SOLUTIONS - 2017

The probability of selecting a rotten apple randomly from a heap of 900 apples is 0.18. What is the number of rotten apples in the heap ?

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5	CLASS 10 BOARDS MATHS SOLUTIONS - 2017 Find the value of p, for which one root of the quadratic equation $px^2 - 14x + 8 = 0$ is 6 times the other. () Watch Free Video Solution on Doubtnut
6	CLASS 10 BOARDS MATHS SOLUTIONS - 2017 Which term of the sequence $20, 19\frac{1}{4}, 18\frac{1}{2}, 17\frac{3}{4},$ is the first negative term? • Watch Free Video Solution on Doubtnut
7	 CLASS 10 BOARDS MATHS SOLUTIONS - 2017 Prove that the tangents drawn at the end points of a chord of a circle make equal angles with the chord. Watch Free Video Solution on Doubtnut
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18	more than the other to fill the tank, then how much time will each tap take to fill the tank ?
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19	CLASS 10 BOARDS MATHS SOLUTIONS - 2017 If the ratio of the sum of first n terms of two AP's is (7n+1) : (4n + 27), then find the ratio of their mth terms. Watch Free Video Solution on Doubtnut
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20	CLASS 10 BOARDS MATHS SOLUTIONS - 2017 Prove that the length of the tangents drawn from an external point to a circle are equal.
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21	CLASS 10 BOARDS MATHS SOLUTIONS - 2017 In Fig. 10.13, <i>XY</i> and <i>X'Y'</i> are two parallel tangents to a circle with centre O and another tangent AB with point of contact C intersecting <i>XY</i> at A and <i>X'Y'</i> at B. Prove that $\angle AOB \setminus = \setminus 90o$



