



MATHS

Geometrical Concept of Circle

Example

1. Draw a circle and define the centre of it.



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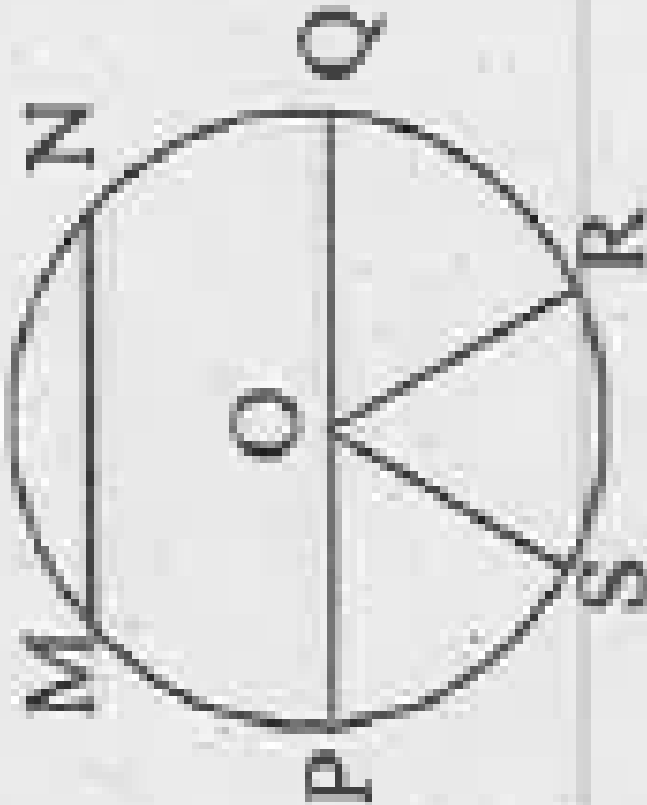
2. The angles of a quadrilateral are in the ratio 2:3:4:6. Find the measure of these angles.



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3. From the figure, answer the following : (c)

Line segment PQ is _____ of circle.



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4. The angles of a triangles are in ratio 3:5:7.

Find the measures of these angles.



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5. Two numbers are in the ratio of 11:12. If their sum is 460, find the numbers



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6. (\checkmark) the correct statement and cross (\times) the wrong. (a) All diameters of a circle are chords.



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7. (\checkmark) the correct statement and cross (\times) the wrong. (b) All chords of a circle are its diameter. _____



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8. (√) the correct statement and cross (×) the wrong. (c) The length of the diameter of a circle is twice the length of its radius. ___



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9. (√) the correct statement and cross (×) the wrong. (f) Centre of the circle is a fixed point in a circle. _____



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10. (\checkmark) the correct statement and cross (\times) the wrong. (g) Two diameters always intersect each of them. _____



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11. The ratio of the number of male and female workers in a textile mill is 5:3. if there are 115 male workers, what is the number of female workers.



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12. The radius of two circles are 2 cm and 4 cm respectively, Let's write the length of their diameter without measuring.



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13. If the length of the greatest chord of a circle is 10 cm. Let's write what will be the length of its radius.



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