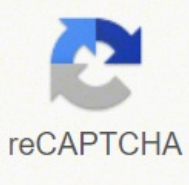




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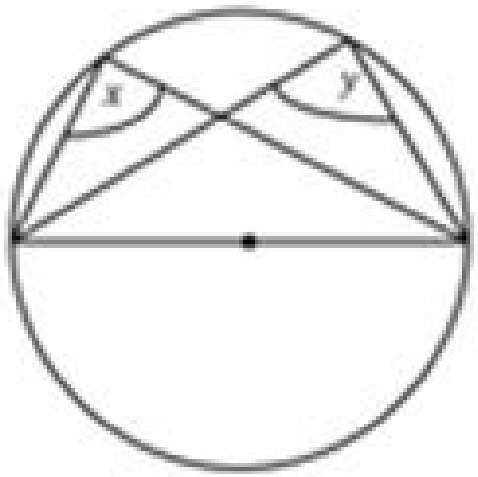


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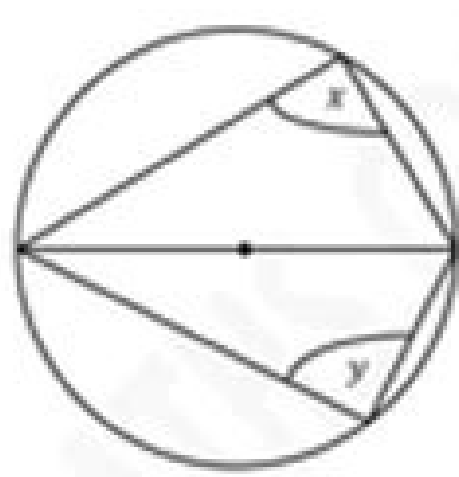
Circle geometry – Angle in a semi circle = 90°

Find the missing angles and give reasons for your answers

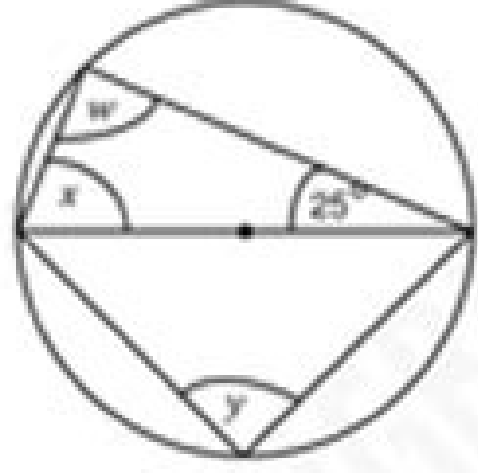
Q1



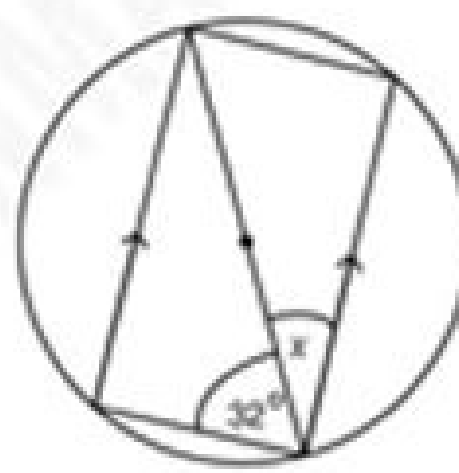
Q2



Q3



Q4

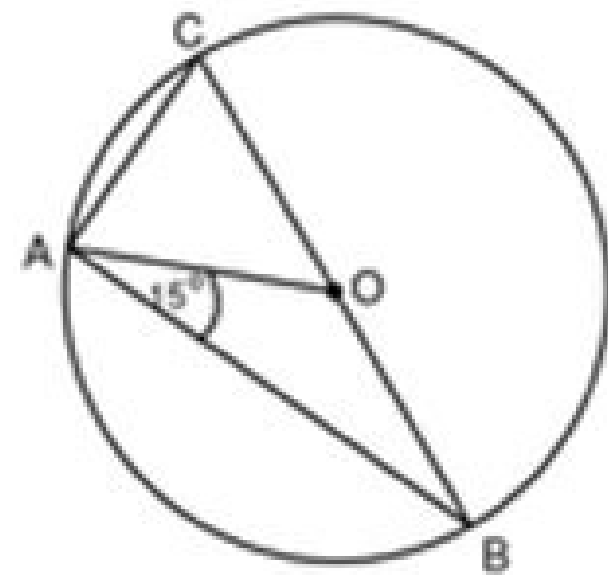


Exam Style Question

Q5

Given that angle OAB = 15°
Calculate

- i) Angle OAC
- ii) Angle AOB



Name: _____ Date: _____

Score: _____

Radius, diameter, area and circumference of a Circle

Find the diameter, area and circumference of a circle from the given radius. Use $\pi = 3.14$

Diameter = _____	Diameter = _____	Diameter = _____
Area = _____	Area = _____	Area = _____
Circumference = _____	Circumference = _____	Circumference = _____
Diameter = _____	Diameter = _____	Diameter = _____
Area = _____	Area = _____	Area = _____
Circumference = _____	Circumference = _____	Circumference = _____
Diameter = _____	Diameter = _____	
Area = _____	Area = _____	
Circumference = _____	Circumference = _____	

Practice – Circle Segments formed by Chords Secants Tangents

Name: _____ Date: _____

Directions: Use the properties of chords, secants and tangents to solve these problems.

1. Solve for x. 	2. Solve for x.
3. Solve for x. 	4. Solve for x.
5. Solve for x. 	6. Solve for x.
7. Find EF. 	8. Solve for x.

Circle Theorem: Angles in the same segment are equal, and right angle subtended from diameter. Find the missing angles and match them to the angle values below.

Name : _____ Date : _____

Score : _____

Area of sector of a Circle

Solved Example:

Area of a sector = $\frac{\text{central angle}}{360^\circ} \times \pi \times r^2$
 $= \frac{90^\circ}{360^\circ} \times \pi \times 3^2$
 $= \frac{1}{4} \times \pi \times 9$
 $= \frac{9\pi}{4} = 2.25\pi$ sq cm

Find the area of the shaded region. Round the area to two decimal places (use $\pi = 3.14$).

Q1 **Q2** **Q3**

Q4 **Q5** **Q6**

Q7 **Q8**

Circle geometry worksheets with answers pdf. Geometry circle proofs worksheets with answers.

In the working paper on the circle we will solve ten different types of questions in a circle.

1.194: The following figure shows a circle with center O and some segments of lines drawn in it. Classify line segments as radius, rope and diameter: (i) OA (ii) OB = 226; --- (iii) OC = 226; --- (iv) EC = 226; -- (v) MN = 226; [Gasps] (vi) PQ = 226; --- 2. Observe the circles shown below and identify. (a) Radicals = 128; Section 226; 126? 128? '126'; 126? 126? 126? 126? D. 226? 12126; 3rd? 126? 126? Section 126; TITLE 226; 226? 126? What? 126666666666; 121212121212; 226? ----- Huh? Observe the circles shown below and identify. Label the center as OQ radio ODraw 2 and ORDraw the ZR Agreement Reply: 4. Draw a radius, a diameter, an agreement in the given circle using the points. Measure also the length of the radius and diameter. (i) Radicals = 128; Section 226; 126? 128? '126'; 126? 126; 126? 126? 126? Section 226; 126? 126; 226666? Eight-226? 12126; ----- Highlight the circumference using the green color. (iii) Highlight the agreement using blue. Answer: (i) OB, OA, OC = 2 cm(ii) BC = 4 cm(iii)194; 5. Using a compass, draw a radius circle: (i) 4.5 cm. (ii) 5.2 cm6. Draw a 6-cm radius circle. 7. Draw a circle of diameter 5.5 cm. 8. Draw a circle with center C and radius 4.7 cm. Mark Point P,Q,R so that P is inside the circle, Q is on the circle and R is outside the circle. 9. Draw a circle using bars and compass. (i) Radius = 4 cm(ii) Diameter = 6 cm(ii) Diameter = 8 cm (iv) Radius = 3.5 cm10. Draw a circle whose diameter is ten cm. Find his beam. 11. Find the radius if the diameter of the circle is:(i) 12 cm(ii) 32 cm(iii) 28 m(iv) 36 cmAnswer:(i) 6 cm(ii) 16 cm(iii) 14 m(iv) 18 Find the diameter if the radius of the circle is:(i) 11 cm(ii) 7 m(iii) 10 cm (iv) 17 cmAnswer:(i) 22 cm(ii) 14 m(iii) 20 cm(iv) 34 cm13. With the same circle, draw three circles first with radius 2 cm. second with radius 3 cm cm third with radius 4 cm. 14. A circle has a radius of seven cm. Find the length of the rope longer than this circle. 15.Indicate whether each of the following statements is true or false. (i) Every radius of a circle is also a string of the circle..... (ii) Every diameter of a circle is also a string of the circle..... (iii) The center of a circle divides each string of the circle..... (iv) A circle is a polygon (v) A circle is a closed figure without corners. (vi) The rope of a circle is also its radius. (vii) The rope of a circle may be equal to the diameter of a circle. (viii) The diameter represents the length of a circle. Answer: (i) False (ii) True (iii) False (i v) False (v) True (vi) True (vii) False (viii) Falso16. If the diameter of a pizza pan is 18 cm, then find the length of the straight sides of the pizza slice. (i) Diameter = 18

Country (i) A diameter of a circle is an agreement passing through the center. (ii) A radius of a circle is a segment of line with a final point on the circumference. (iii) A radius of a circle is a segment of line with a final point on the circumference. (iii) Highlight the agreement using blue. Answer: (i) OB, OA, OC = 2 cm(ii) BC = 4 cm(iii)194; 5. Using a compass, draw a radius circle: (i) 4.5 cm. (ii) 5.2 cm6. Draw a 6-cm radius circle. 7. Draw a circle of diameter 5.5 cm. 8. Draw a circle with center C and radius 4.7 cm. Mark Point P,Q,R so that P is inside the circle, Q is on the circle and R is outside the circle. 9. Draw a circle using bars and compass. (i) Radius = 4 cm(ii) Diameter = 6 cm(ii) Diameter = 8 cm (iv) Radius = 3.5 cm10. Draw a circle whose diameter is ten cm. Find his beam. 11. Find the radius if the diameter of the circle is:(i) 12 cm(ii) 32 cm(iii) 28 m(iv) 36 cmAnswer:(i) 6 cm(ii) 16 cm(iii) 14 m(iv) 18 Find the diameter if the radius of the circle is:(i) 11 cm(ii) 7 m(iii) 10 cm (iv) 17 cmAnswer:(i) 22 cm(ii) 14 m(iii) 20 cm(iv) 34 cm13. With the same circle, draw three circles first with radius 2 cm. second with radius 3 cm cm third with radius 4 cm. 14. A circle has a radius of seven cm. Find the length of the rope longer than this circle. 15.Indicate whether each of the following statements is true or false. (i) Every radius of a circle is also a string of the circle..... (ii) Every diameter of a circle is also a string of the circle..... (iii) The center of a circle divides each string of the circle..... (iv) A circle is a polygon (v) A circle is a closed figure without corners. (vi) The rope of a circle is also its radius. (vii) The rope of a circle may be equal to the diameter of a circle. (viii) The diameter represents the length of a circle. Answer: (i) False (ii) True (iii) False (i v) False (v) True (vi) True (vii) False (viii) Falso16. If the diameter of a pizza pan is 18 cm, then find the length of the straight sides of the pizza slice. (i) Diameter = 18

Open symmetry lines. (a) 5th is (b) 10th is (c) 15th is (d) infinity19. For the given circle: (i) Name the Diameters (ii) Name the Radii (iii) Count the number of agreements 20. Draw a 5-cm radius circle with a compass. Name its centre as P. Draw and mark: (i) An LN radius A diameter XY.To download the worksheet here.Board on the circle In the worksheet on the triangle we will solve 12 different different of questions. 1. Take three non-hill points L, M, N. Sign up LM, MN and NL. What kind of figure do you get? Name: (a) the side opposite to \hat{A} l. (b) the angle opposite to side l. (c) the vertex opposite to side mn. In perpendicular lines when two intersecting lines A and B are said to be perpendicular to each other if one of the angles formed by them is a right angle. In other words, set Square Set Square If two lines meet or intersect at a point to form a right angle, two lines intersecting each other at a certain point are called intersecting lines. The point where two cross lines are called the intersection point. In the figure given AB and CD intersect each other at point O. To draw a line segment through a point t, parallel to line PQ. There are two squares set in your geometry. Take one of the Set-Square and place the edge along the PQ as shown in Figure 1. Place the other square set along the first square set as shown in Figure 2. Geometry is one of the oldest and main branches of mathematics. The measurement of the Earth is the exact meaning of the word 'Geometry'. The geometry began when men felt the need to measure their lands and the circumference between the radius of diameter and the circumference. I'm working on the circle. Circle test on the circle. Geometry of 5th grade Page 5th grade Mathematics Problems 5th grade Mathematics worksheets from the worksheet on the circle to the home page didn't find what you were looking for? Or you want to know more about math just for math. 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Worksheets 1-3 are in customary units; 4-6 are metric. All worksheets are printable pdf files. Open PDF. Inches, feet, yards; Worksheet #1 Worksheet #2 Worksheet #3. Metric cm, m; Worksheet #4 Worksheet #5 Worksheet #6. Similar: Circumference of circles Area of triangles ... Circle worksheets; Finding the circumference. Below are our grade 5 geometry worksheets on determining the circumference of circles. Students are provided the radius or the diameter in customary units (worksheets 1-3) or metric units (worksheets 4-6). Open PDF. Inches, feet, yards; Worksheet #1 Worksheet #2 Worksheet #3. Metric cm, m; Worksheet #4 Worksheet #5 . 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