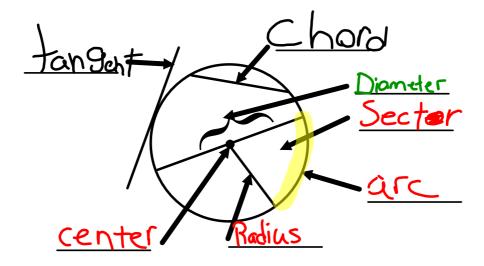
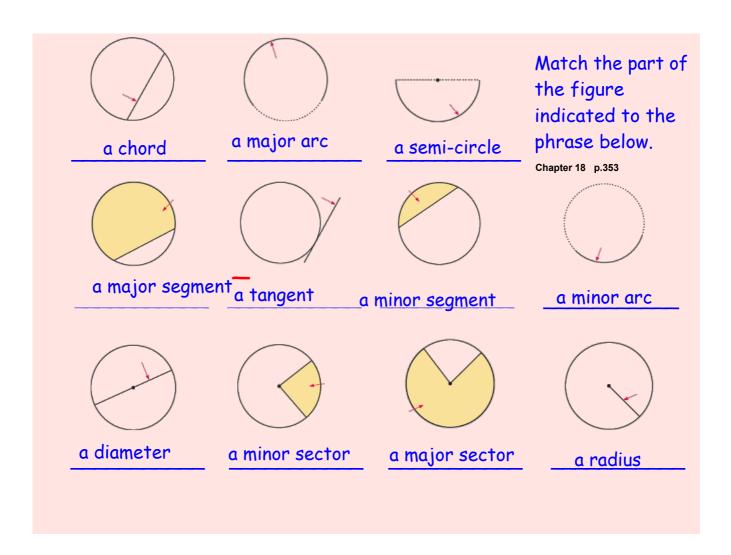
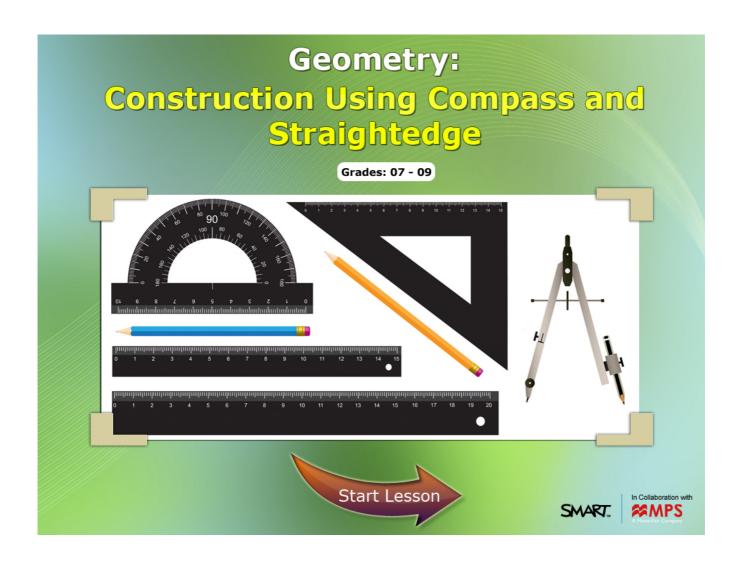
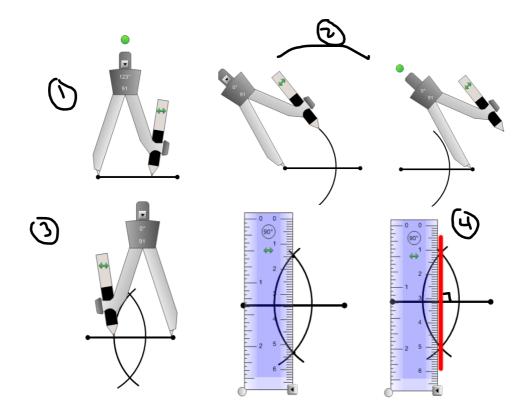
perfect circle crop circles Lesson # 28 - The Circle champ **Definitions** <u>Circle</u> a perfectly round shape with each point in the circle an equal distance from a single inner point called the center. Disc is an area or a plane which includes the circle and its inner area. is a straight line having a single point of contact with a <u>Tangent</u> circle. a portion of a disc defined by two radii. Sector Central Angle an angle formed by 2 radii. a segment joining any two points on a circle. Chord a part of a circle defined by a chord or two radi <u>Arc</u> a chord passing through the center of a circle. Diameter 2 times the radius Radius line segment with one end point at the center of the circle and the other at any point along the circle. 1/2 the diameter Radii ~ plural of radius Perimeter or length around a circle Circumference Area of disc Measure of the surface of a circle. please add **Concentric** having a common center



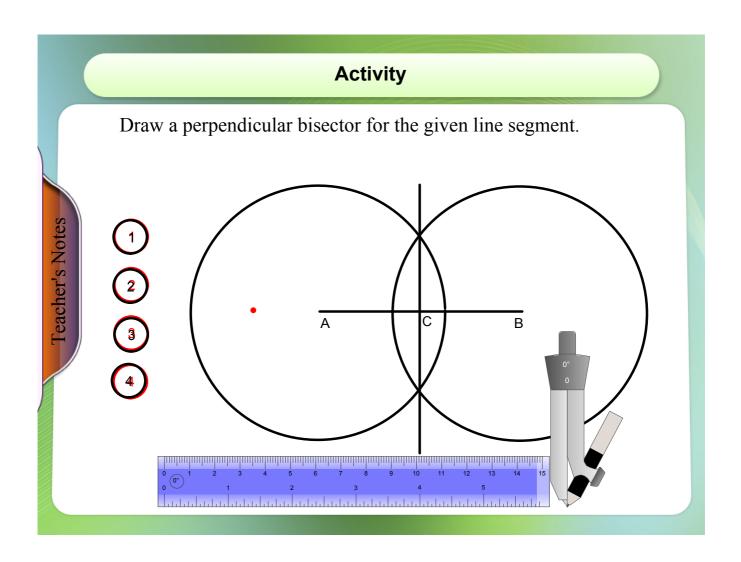
lesson 28 completed March 09, 2015







Perpendicular Bisector Teacher's Notes 2 In order to find a perpendicular bisector: Steps to take Open compass a little wider than half the line. Draw 2 arcs, one on each side of the line. Do step 2 again from the other end of the line. Intersecting first arcs. Join the two intersecting points. Forms a perfect 90°age. Teacher's Notes 1



The Circle

7.58

1. What is the diameter of a circle if the radius measures:

a) 5 cm? _____

b) 0.9 dm? _____

c) 32 mm?_____

2. What is the radius of a circle if the diameter measures:

a) 4 cm? _____

b) 6.2 dm? _____

c) 50 mm?____

3. In this circle with centre *O*, draw:

a) radius OA.

b) chord AB.

c) diameter BC.



4. Draw a circle with a radius of 2.5cm.

Draw and label the following parts:

- 1, radius of 2.5 cm
- 2. diameter
- 3. chord
- 4. central angle
- 5. arc
- 6. sector
- 5. Construct the perpendicular bisector of each of the following line segments.

 Then draw 4 other line segments and construct the perpendicular bisectors

Construct Perpendicular Bisector.asf

Parts of a Circle.notebook