**Mini-Lesson #2 Circumference and Area of Circles (2-Dimensional – Math 7)**

Vocabulary: Pi (π) Diameter Radius Circumference

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| **Circumference** **Formula: C = 2r** OR **C = d**1. 2) A circle with the radius of 9.7 m.

6 mFormula: Formula:Substitution: Substitution:Answer : Answer:1. 4) A circle with the diameter of 27 m.

10 mF: Formula:S: Substitution:A: Answer:5. A circular in-ground swimming pool is 25 feet straight across. How much material is needed to put a border of tile around the pool? |

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| **Area of Circles:**$$A = πr^{2}$$1. Formula:

4 in Substitution: Answer: 2) Formula: Substitution: Answer:3) Find the area of a circle with a radius of 7.2 feet.1. Find the area of a circle with a diameter of 14 in. Use $\frac{22}{7}$ for π.
2. If the area of a circle is 113.1 in2, what is the best estimate of the radius?
3. 9 in b) 3 in c) 6 in d) 36 in
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