**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 m  Formula: Formula:  Substitution: Substitution:  Answer : Answer:   1. 4) A circle with the diameter of 27 m.   10 m    F: 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:**   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 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 |