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| area of right angled triangle | 3.20.2019 |

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| Subject |  | Overview |
| |  | | --- | | Mathematics | | Prepared By | | [Instructor Name] | | Grade Level | | 4 | |  | This lesson plan covers teaching content for;   1. Area of right angled triangle |

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| Materials Required -Cardboard |
| Additional Resources  * <https://www.mathsteacher.com.au/year7/ch13_area/04_triangle/right.htm> * <https://en.wikipedia.org/wiki/Right_triangle> * <https://byjus.com/maths/right-angle-triangle/> * <https://www.thirteen.org/edonline/ntti/resources/lessons/m_picking/b.html> |
| Additional Notes |

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| **Objectives** Students should be able to;   1. Calculate the area of right angled triangle. |  | **Activity Starter/Instruction**  1. Draw a right angled triangle in the board. 2. Guide the pupils to divide a rectangle along its diagonals to form two equal right angled triangles. 3. Define what area is.   **Guided Practice**  **Day 2/ Lesson 2: 15 Mins**   1. Give the pupils problems to solve using the formula given to them. 2. Go over their answers. 3. Together with the pupils, solve the problems. 4. Let them ask questions where they are confused.  Assessment Activity Assess the pupils on the relationship between area of rectangle and area of right angle triangle. |  | **Teacher Guide** **Day 1/ Lesson 1: 15 Mins**   1. Explain to the pupils that area of different shapes can be calculated using various formulas. 2. Ask the pupils to draw a right angles triangle from a rectangle in their notebooks. 3. Explain the relationship between the area of the rectangle and the area of the right angled triangle. 4. Write the formula ½ x Area of rectangle. 5. Break it down further to ½ x length x width   **Guided Practice**  **Day 3/ Lesson 3: 15 Mins**   1. Ask the pupils to state the formula for calculating the area of a right angled triangle without looking through their notebooks. 2. Ask them if they can calculate the area of a right angled triangle if they are given the area of a rectangle. 3. Show examples of how this can be done. 4. Give me them exercises to solve.  Assessment Activity Give them exercises to solve. |
|  |  | Summary  1. Ask for volunteers to share their answers to the problems assigned. 2. As the problems are reviewed in front of the class, have the students check their answers for accuracy. |  |  |