**GUIDED REVIEW: 2D MEASUREMENT - TRIANGLES**

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| --- | --- | --- |
| Shape name:  |  | Formulas: |
| Classroom Example: | **Confused person** Example: |  |

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| --- | --- | --- |
|  What are the different types of triangles according to angles? - Quora |  | Formulas: |

|  |  |  |
| --- | --- | --- |
| The side length of an equilateral triangle is 20 cm class 10 maths CBSEClassroom Example:17.32cmChart  Description automatically generated with medium confidence**A = 24 cm2** | **Confused person** Example:What is Isosceles Triangle? - [Definition Facts & Example]4 cm**A = 300 km2** |  |

*Next class we’ll learn what to do if we’re not given the area or perimeter as well as another measurement! It’s kind of tricky!*

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**TASK 1 - PRACTICE: 2D MEASUREMENT: TRIANGLES**

Complete worksheet. Check once solutions are posted that you’re on the right track.



** TASK 2 - PRACTICE: 2D MEASUREMENT: TRIANGLES**

 *Find a triangle in the classroom or nearby. Obviously, objects are 3D, so select one face of the object to study. Sketch it and include its dimensions as you’ve measured (metric to nearest tenth of a cm; imperial to nearest* $^{1}/\_{16}$ *of an inch). Complete this on the back of the above worksheet.*



**GUIDED PRACTICE: 2D MEASUREMENT– TRIANGLES WITH “MISSING” MEASUREMENTS**



**Proof activity**

|  |  |
| --- | --- |
| Classroom Ex: find missing leg, then find A and PDiagram  Description automatically generated with low confidence**Diagram  Description automatically generated with medium confidence** | **Confused person** Ex: find missing leg, then find A and PDiagram  Description automatically generated with medium confidenceLine chart  Description automatically generated with low confidence |

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**7)** Two joggers run 8 miles north and then 5 miles west. What is the shortest distance, to the nearest tenth of a mile, they must travel to return to their starting point?

**8)** Oscar's doghouse is shaped like a tent. The slanted sides are both 5 feet long and the bottom of the house is 6 feet across. What is the height of his doghouse, in feet, at its tallest point?

**9)** A suitcase measures 24 inches long and the diagonal is 30 inches long. How much material is

needed to cover one side of the suitcase?

**10)** Find a third number so that the three numbers form a right triangle:

1. 9 , 41 ii). 13, 85