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| **Topic/Skill** | **Definition/Tips** | **Example**  **Topic: Compound Measures** |
| 1. Metric System | A system of measures based on:   * the metre for length * the kilogram for mass * the second for time   **Length: mm, cm, m, km**  **Mass: mg, g, kg**  **Volume: ml, cl, l** |  |
| 2. Imperial System | A system of weights and measures originally developed in England, usually based on human quantities  **Length: inch, foot, yard, miles**  **Mass: lb, ounce, stone**  **Volume: pint, gallon** |  |
| 3. Metric and Imperial Units | Use the **unitary method** to convert between metric and imperial units. |  |
| 4. Speed, Distance, Time | **Speed = Distance ÷ Time**  **Distance = Speed x Time**  **Time = Distance ÷ Speed**  Image result for speed distance time triangle  Remember the correct units. | Speed = 4mph  Time = 2 hours  Find the Distance. |
| 5. Density, Mass, Volume | **Density = Mass ÷ Volume**  **Mass = Density x Volume**  **Volume = Mass ÷ Density**  Image result for dmv triangle  Remember the correct units. | Density = 8kg/m³  Mass = 2000g  Find the Volume. |
| 6. Pressure, Force, Area | **Pressure = Force ÷ Area**  **Force = Pressure x Area**  **Area = Force ÷ Pressure**  Image result for pressure triangle  Remember the correct units. | Pressure = 10 Pascals  Area = 6cm²  Find the Force |
| 7. Distance-Time Graphs | You can find the **speed** from the **gradient** of the line (Distance ÷ Time)  The steeper the line, the quicker the speed.  A **horizontal** line means the object is not moving (**stationary**). |  |

**Knowledge Organiser**