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| **Topic/Skill** | **Definition/Tips** | **Example**  **Topic: Pythagoras’ Theorem** |
| 1. Pythagoras’ Theorem | For any **right angled triangle**:    Used to find **missing lengths**.  a and b are the shorter sides, c is the **hypotenuse** (**longest side**). |  |
| 2. 3D Pythagoras’ Theorem | Find missing lengths by **identifying right angled triangles**.  You will often have to find a missing length you are not asked for before finding the missing length you are asked for. | Can a pencil that is 20cm long fit in a pencil tin with dimensions 12cm, 13cm and 9cm? The pencil tin is in the shape of a cuboid.  Hypotenuse of the base =  Diagonal of cuboid =  No, the pencil cannot fit. |

**Knowledge Organiser**