

## **FOCUS SPOT**

### **SURFACE AREA OF COMBINATION OF SOLIDS**

#### **WHY**

Students are confused between the hidden area and the exposed area in combination of solids

#### **IMPACT**

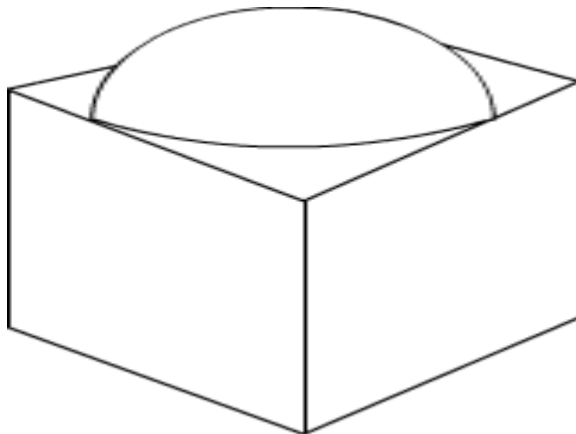
Students add the surface area of two solids to find the total surface area in combination of solids.

#### **SOLUTION**

In order to calculate areas of any combination of solids, one needs to look for the exposed area of the combination of solids. Then use the suitable formula for each solid, find out the exposed area of each solid in the combination and calculate their sum.

#### **Example**

### **SURFACE AREA OF THE WOODEN BLOCK**



**Total Surface Area of Cube + Curved Surface Area of Hemisphere- Area of Circle**

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