KS2 Maths SKILLS ORGANISER for 2019

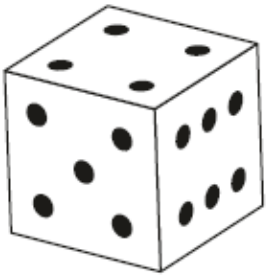
Prove It !

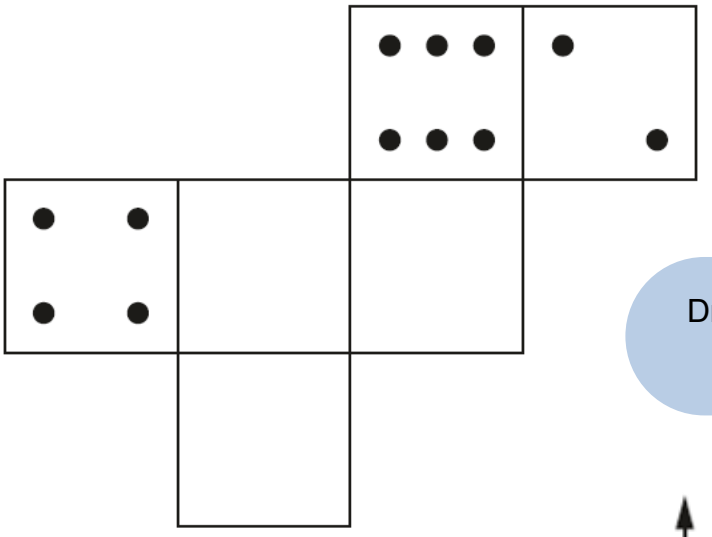
Reason, explain, justify

2D & 3D SHAPES

Help Code : 033

17 On a dice, the sum of the dots on opposite faces is always 7



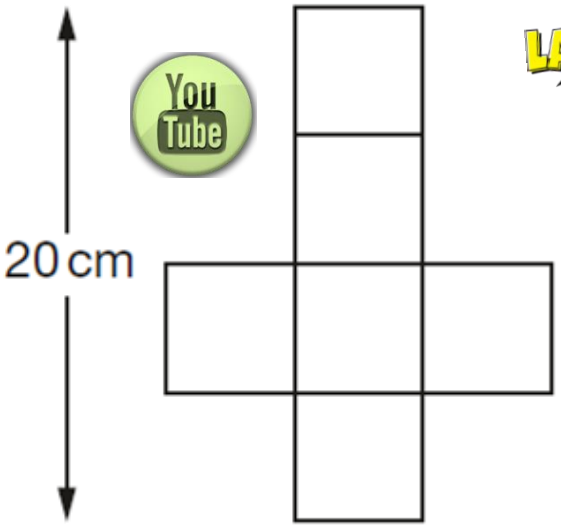


YouTube

Draw dots on the **three** empty faces of the net so that it could fold up to make a dice.

LAST YEARS questions

22 This is the net of a cube.



YouTube

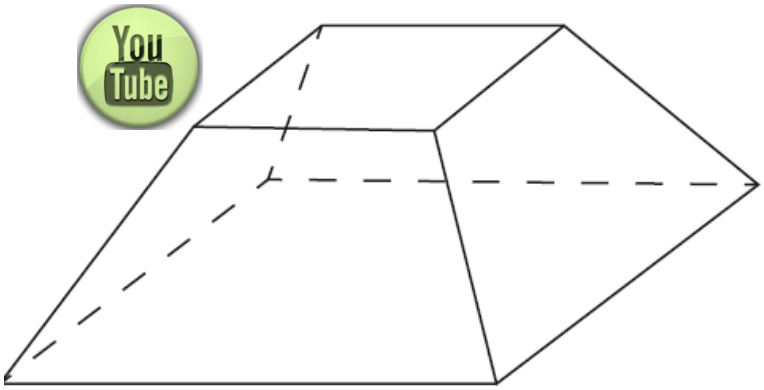
Not actual size

What is the **volume** of the cube?

cm

11 Here is a drawing of a 3-D shape.

YouTube



Complete the table.

Number of Faces	Number of Vertices	Number of Edges

11

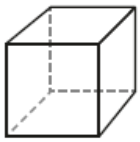
A bicycle wheel has a diameter of 64 cm.

What is the **radius** of the bicycle wheel?

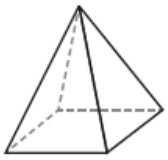
32 cm

12 Here are diagrams of some 3-D shapes.

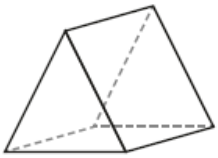
Tick each shape that has the same number of faces as vertices.



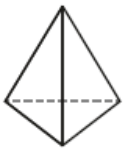
Cube ☐



Square-based pyramid √

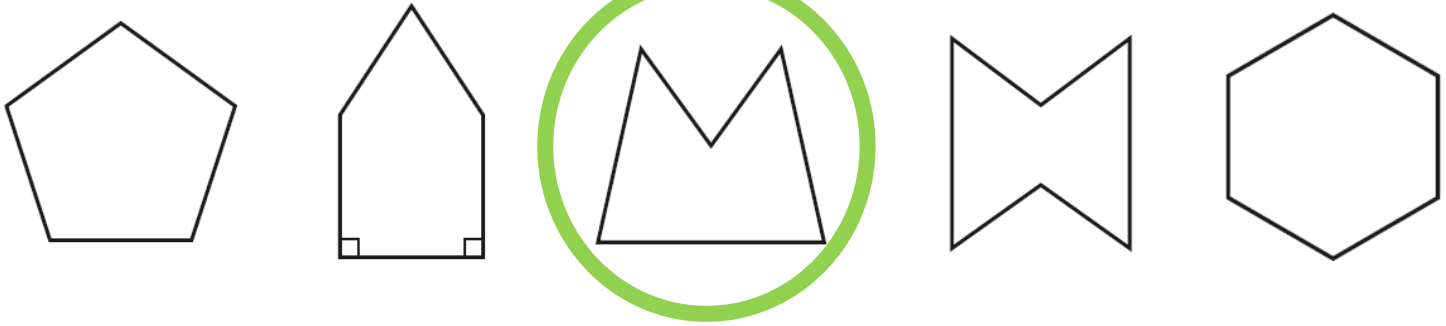


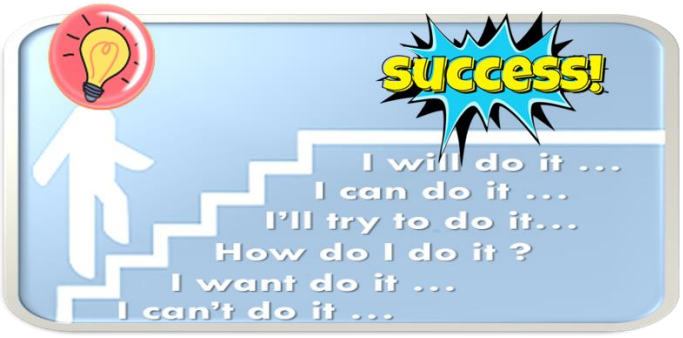
Triangular prism ☐



Triangular-based pyramid √

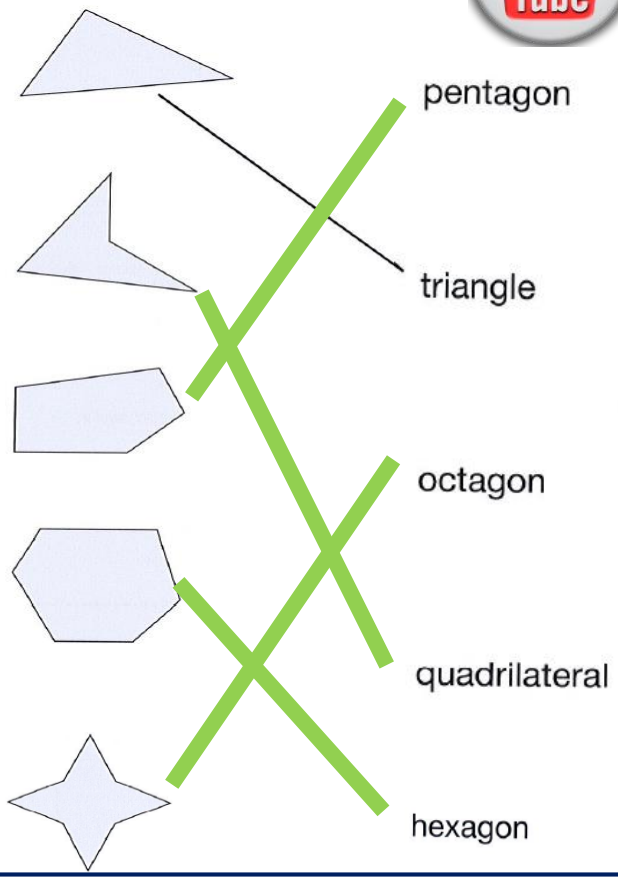
13 Circle the **pentagon** with exactly **four acute angles.**



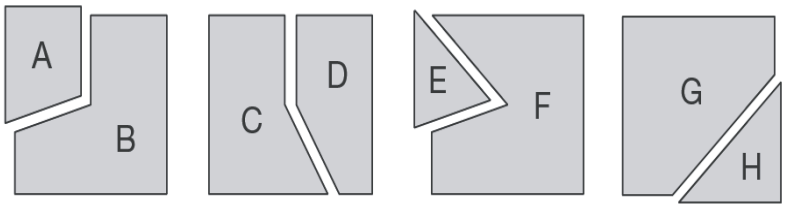


Match each shape to the correct name.

One has been done for you.



Each of these four squares has been cut into two new shapes.



Write the letters of all the new shapes that are **hexagons**.

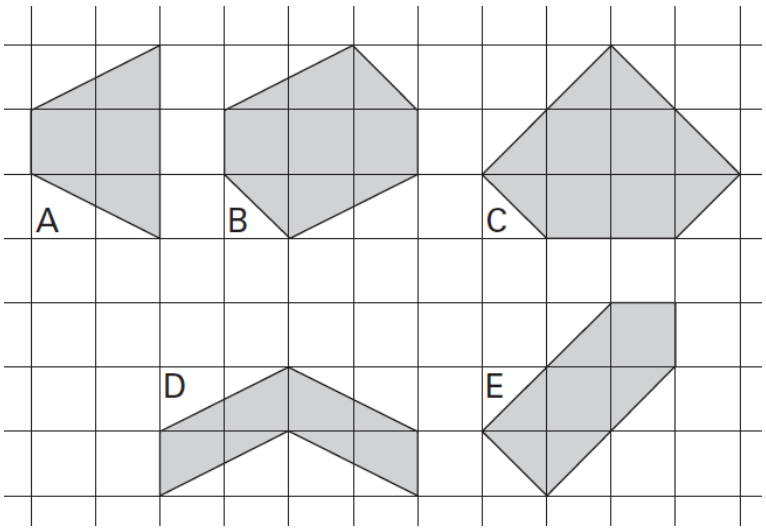
B , F

Write the letters of all the new shapes that are **pentagons**.

C , D , G

2005A KS2 Q6

Here are some shaded shapes on a square grid.



Write the letters of the **two** shapes which are hexagons.

B ..... and D .....

Write the letters of the **two** shapes which have **right angles**.

C ... and E .....