## MD CUBE = TESSERACT

Create the net of a 4D cube by using 8 cubes. Then print and stick the info labels on each faces of the net.



OR simply ask each student (a class of 24 students would be great) to come up with a fact about the Tesseract then collect them all to create the faces...

WELCOME TO
4TH
DIMENSION






FACE \#6



YOU NRED
(4) CLUE?


## THE NETOPTHE TESSEACT CONSISTS OR

## FACE \#10 <br> 

## ATESERECT HAS



https://www.funmathfan.com/

## FACE \#11 <br> 

## ATESERACT HAS



EDGES

https://www.funmathfan.com/

## FACE \#12 <br> 

## ATESERACT HAS

https://www.funmathfan.com/

FACE \#13

4 cubes, 6 squores, and 4 edges mee or eoch corner.

3 cubes and 3 squares meet a each edge. 2 cubes meet on each square.


# CAN YOU GUESS THE NAME OF THE FAMOUS PAINTER WHO ENTEREDTHE MTM DIMENSION? 

$$
\begin{aligned}
& \text { A } 1954 \text { poinning } \\
& \text { by } \\
& \text { SAIVADOR } \\
& \text { DALI } \\
& \text { 1eorntes o } \\
& \text { mysterious, } 4 D \\
& \text { "HYPERCUBE }
\end{aligned}
$$

FACE \#16


## The CRUCIFIXION

unites
a clossicol pornrayal of Chris? with shope解of
only exisis in mothemoinicol theory.




## 

## see a HD cube im

our liminized 3D universe, but here ore
chirterent woys ho inacyine one. - Marceus du Sovioy


A 3D Cube and ins nef


## FACE \#20 <br> 



## Letrs listen the concept

 of Hirom the fpic cosmos "Carl Sogan"FACE \#22


腹 we continue to generote a culbe
in the next higher dimension.

## DIMENSION OF THE CUBE

|  | 1 | 2 | 3 | 4 | 5 | 6 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| \#of <br> edges | 1 | $2 \times 2$ | $3 \times 4$ | $4 \times 8$ | 8 | 8 |

https://www.funmathfan.com/
FACE \#23


脖 we conuinue go generore a cube
in the nex higher dimension.

## DIMENSION OF THE CUBE

