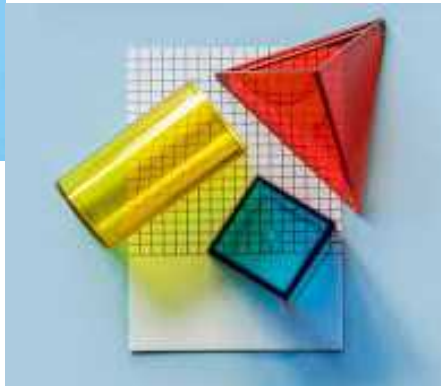




Project code:
2019-1-EL01-KA201-062914

Erasmus+ Call: 2019 - KA2 -



Erasmus+

This project is funded by the European Union.



3D printing technology aims students understanding maths and recycling procedure

O2_1st Curricula of Maths: Fractions

Fractions of Squares

Outline

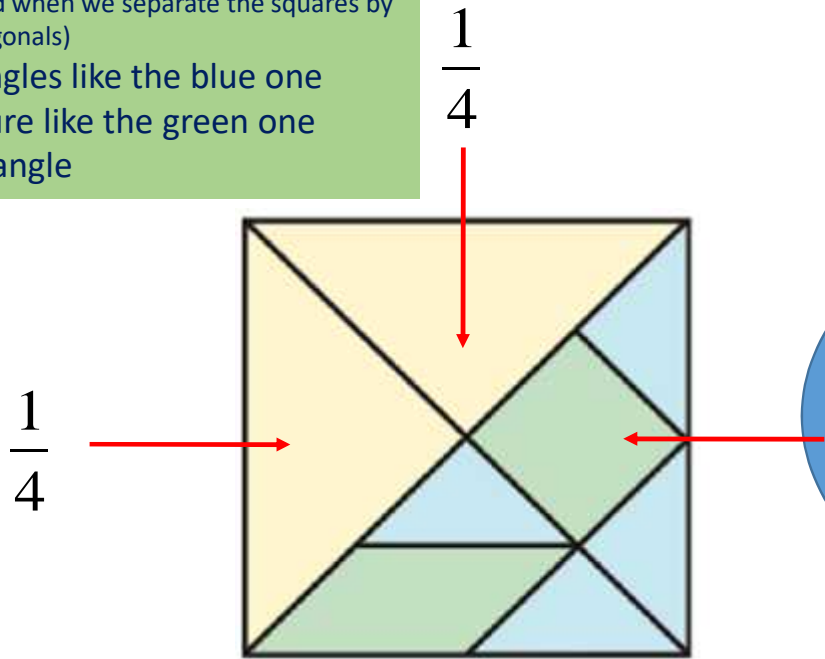
- Fractions Squares
- To Remember
- Activities
- Videos



FRACTIONS of SQUARES



- Students Print**
- ✓ 1 square
 - ✓ 4 equal parts of square (parts provided when we separate the squares by two diagonals)
 - ✓ 4 triangles like the blue one
 - ✓ 1 square like the green one
 - ✓ 1 rectangle



Square is whole (Square = 1)



2 green triangles and 1 blue square
 Blue Square = 2 green triangles
 Thus, $\frac{1}{4}$ square = 4 green triangles
 1 blue square = $\frac{1}{4} (\frac{1}{4} \text{ Square}) = \frac{1}{16}$ Square



Erasmus+

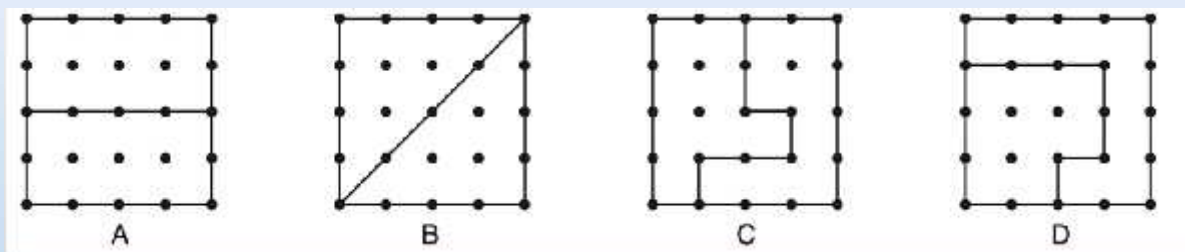
This project is funded by the European Union.



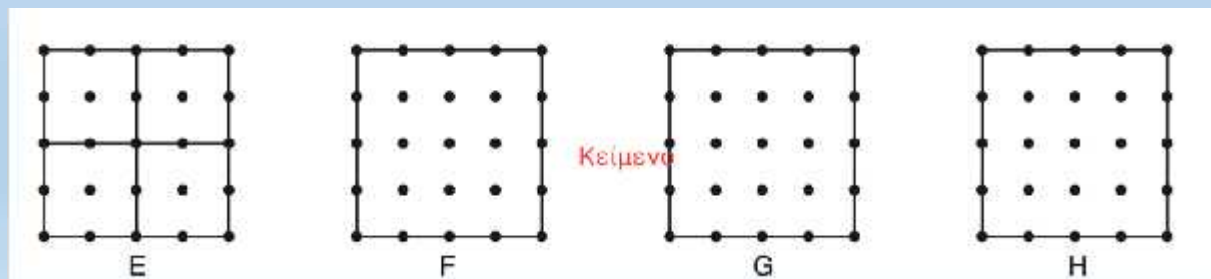


ACTIVITY 1

The following squares are divided in half in different way, by using straightedges and dots.



Square E is divided to fourths. Divide square F, G, and H into fourths, each in a different way



Erasmus+

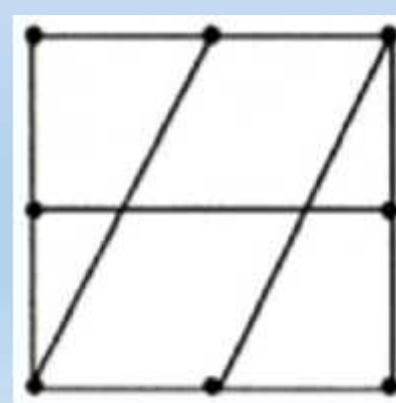
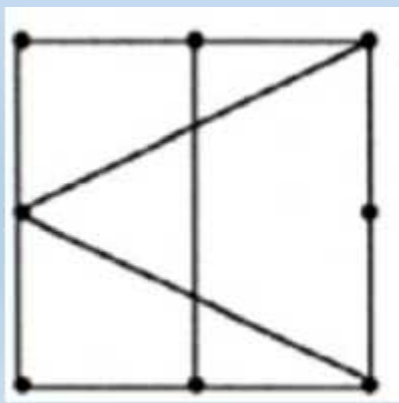
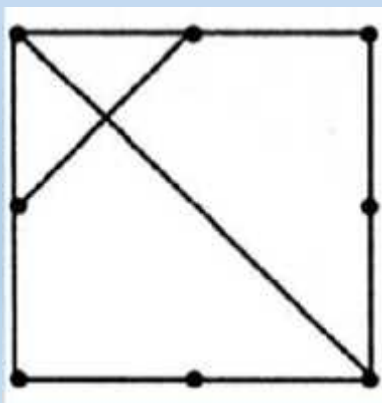
This project is funded by the European Union





ACTIVITY 2

Dots at the following squares represent the middle of the sides of squares. Write down the fraction of each square in the following pictures.



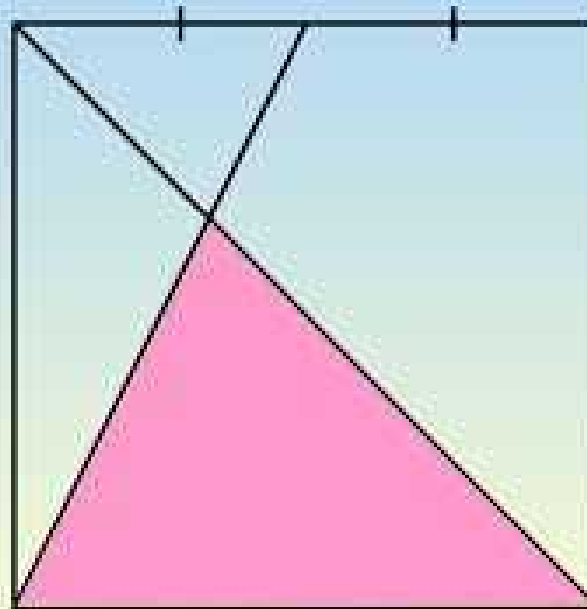
Erasmus+

This project is funded by the European Union.

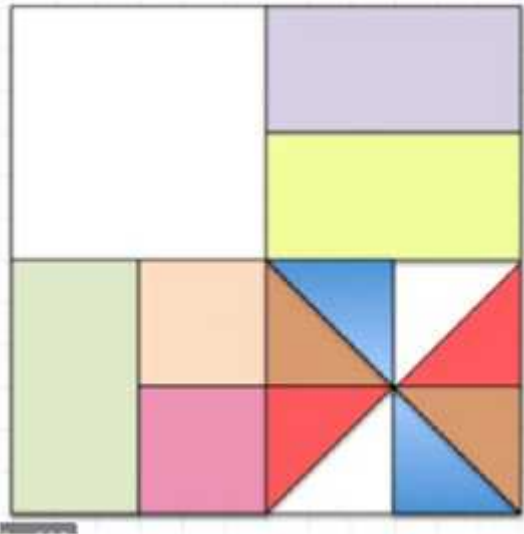


What Fraction Is Shaded?

Math Problem Stumping The Internet



Videos



- https://www.youtube.com/watch?v=yjyNfjqy0Jg&list=RDCMUCHnj59g7jezwTy5GeL8EA_g&index=21
- https://www.youtube.com/watch?v=nD9soP3j41A&list=RDCMUCHnj59g7jezwTy5GeL8EA_g&start_radio=1&t=31
- https://www.youtube.com/watch?v=6K_j4Cj7mVo