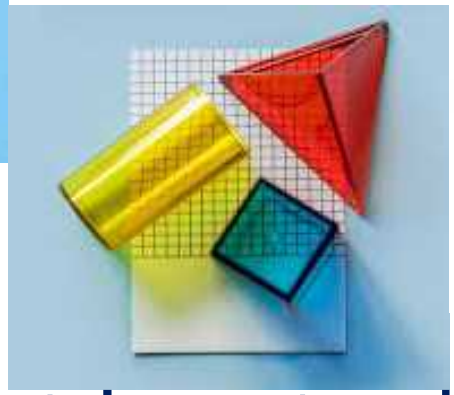
Project code:
2019-1-EL01-KA201-062914

Erasmus+ Call: 2019 - KA2 -



3D printing technology aims students understanding maths and recycling procedure

O2_ 1st _Curricula for Mathematics_Fractions

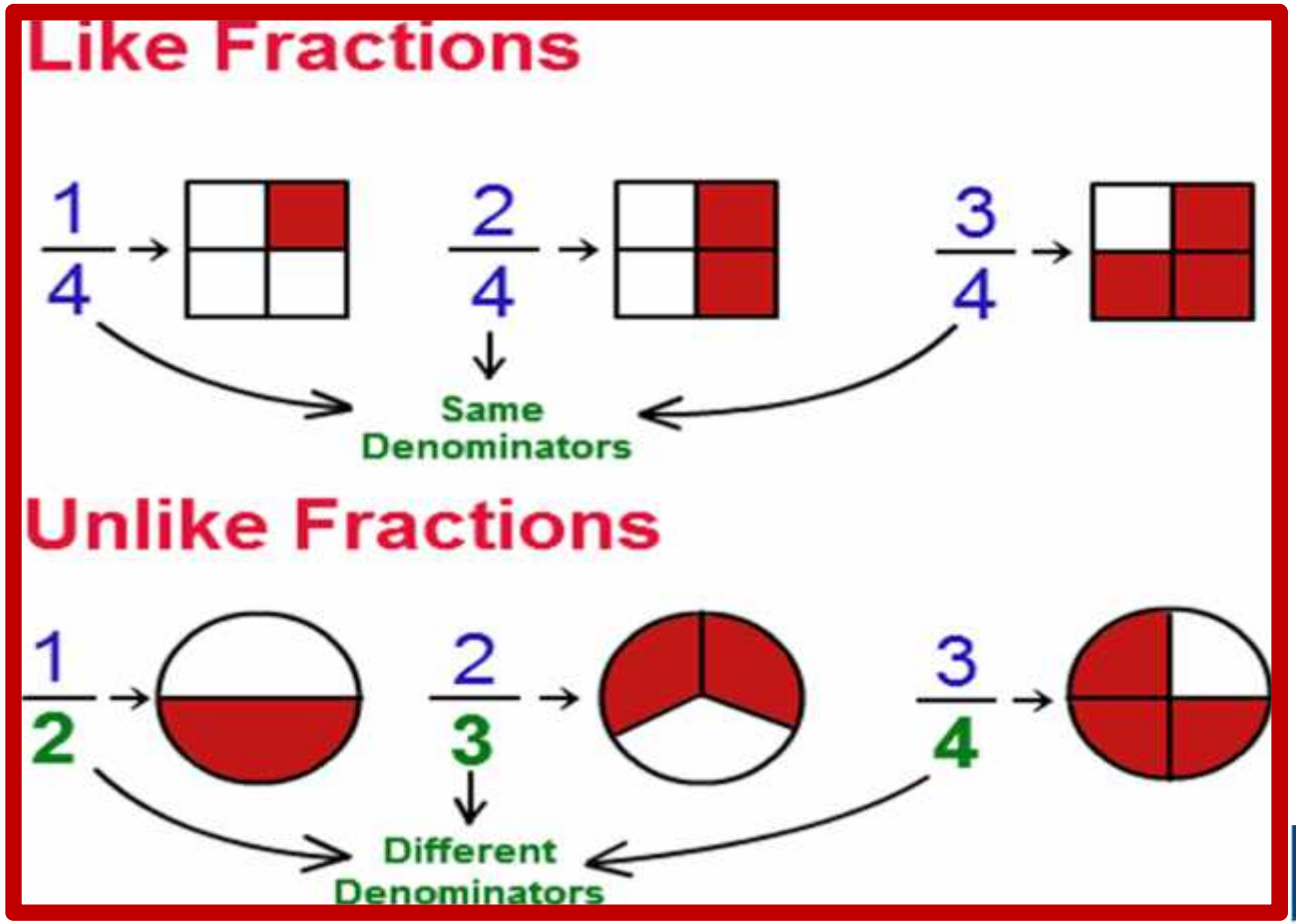
Equivalent Fractions

Outline

- Equal Fractions
- Like & Unlike Fractions
- To Remember
- Activities

This project is funded by the European Union

LIKE, UNLIKE and EQUAL FRACTIONS



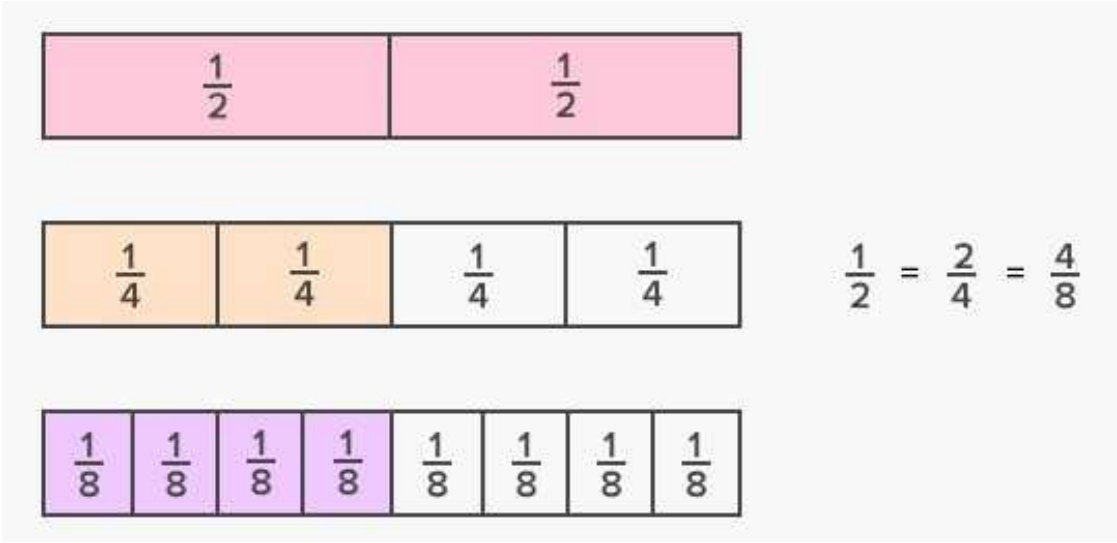
Students Print

- ✓ 1 square
- ✓ 4 equal parts of the square

Erasmus+
This project is funded by the European Union
ΙΔΡΥΜΑ ΚΡΑΤΙΚΩΝ ΥΠΟΤΡΟΦΙΩΝ ΙΚΥ

To remember…

Equivalent fractions: Fractions with different numerators and denominators that represent the same value or proportion of the whole.



EXAMPLE

Erasmus+
This project is funded by the European Union
ΙΔΡΥΜΑ ΚΡΑΤΙΚΩΝ ΥΠΟΤΡΟΦΙΩΝ ΙΚΥ

To remember…

- We can make equivalent fractions by **multiplying** both the numerator and the denominator by the same amount.
- **Fraction simplification**: We can make equivalent fractions by **dividing** both the numerator and the denominator by the same amount.
- Never add or subtract, to get an equivalent fraction.
- **Irreducible fractions**: Fractions that can not be simplified.

Erasmus+
This project is funded by the European Union
ΙΔΡΥΜΑ ΚΡΑΤΙΚΩΝ ΥΠΟΤΡΟΦΙΩΝ
ΙΚΥ

ACTIVITY 2

Determine witch of the following fractions are equivalent.

a. $\frac{2}{3}, \frac{18}{27}$ b. $\frac{1}{4}, \frac{2}{5}$ c. $\frac{6}{9}, \frac{2}{3}$ d. $\frac{7}{8}, \frac{30}{40}$

ACTIVITY 3

Simplify the following fractions.

$\frac{2}{8}, \frac{10}{40}, \frac{21}{49}, \frac{12}{24}, \frac{9}{6}, \frac{25}{15}, \frac{9}{45}$

ACTIVITY 4

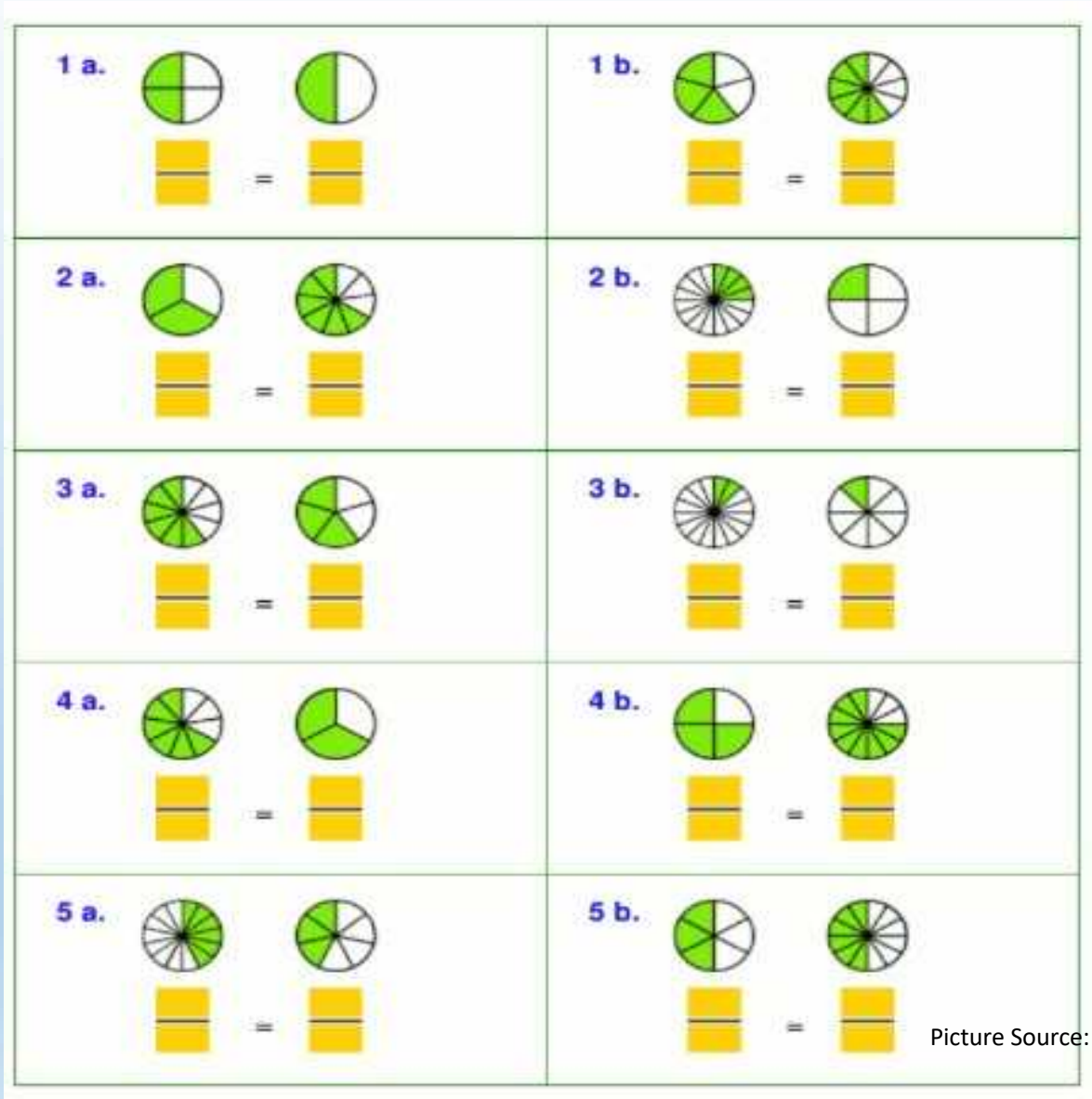
Find the irreducible fractions.

$\frac{32}{30}, \frac{14}{15}, \frac{51}{16}, \frac{26}{40}, \frac{7}{15}$

Erasmus+
This project is funded by the European Union
ΙΔΡΥΜΑ ΚΡΑΤΙΚΩΝ ΥΠΟΤΡΟΦΙΩΝ ΙΚΥ

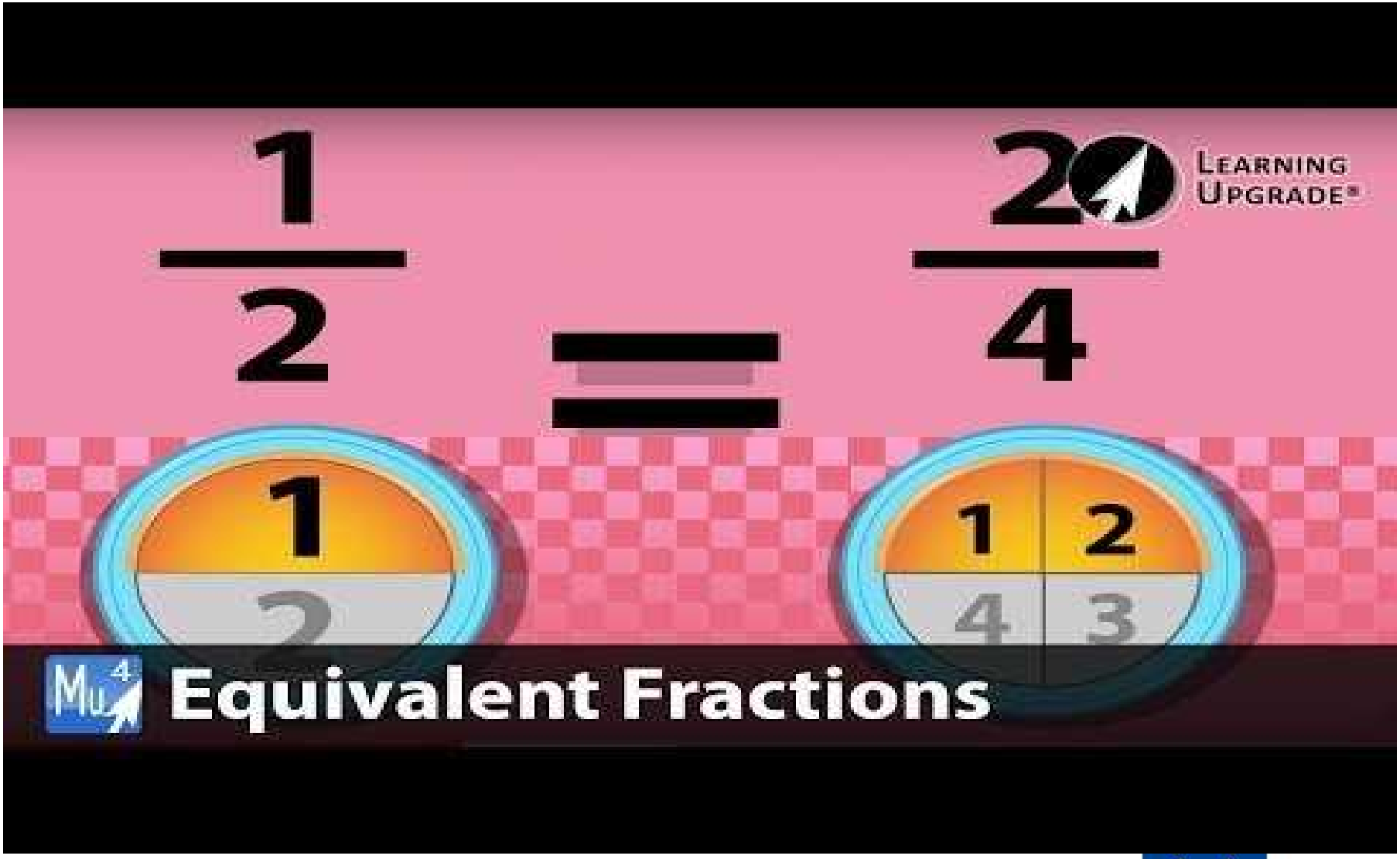
ACTIVITY 5

Write the equivalent proper fractions for the pie models in each problem.



Picture Source: Internet

Erasmus+
This project is funded by the European Union


1
2
=
2
4
LEARNING UPGRADE®
1
1
2
4
3
Equivalent Fractions

Videos

- Equivalent Fractions

https://www.youtube.com/watch?v=qcHHhd6Hizl

- Equivalent Fractions

https://youtu.be/U2ovEuEUxXQ