

# 3D printing technology aims students understanding maths and recycling procedure

02\_1<sup>st</sup> Currícula of Maths: Fractions

Add Subtract Fractions



## Outline

- Add & Subtract Fractions
- To Remember ....
- Activities
- Videos





# ADD and SUBTRACT FRACTIONS

You can add and subtract like fractions easily simply add or subtract the numerators and write the sum over the common denominator.

Before you can add or subtract unlike fractions, you must first find equivalent fractions with the same denominator, like this: 1.Find the smallest multiple (LCM) of both denominators.

2.Rewrite the fractions as equivalent fractions with the LCM as the common denominator.







Erasmus+

This amient is funded by the European Union

**Source Picture: Internet** 

#### **ACTIVITY 1**

Add / subtract the fractions and simplify the result.

$\frac{1}{5} + \frac{4}{5} = \frac{5}{5} \text{ or } 1$	$\frac{2}{3} - \frac{1}{3} = -$	$\frac{6}{12} + \frac{5}{12} = -$	$\frac{7}{16} - \frac{3}{16} = -$
$\frac{8}{10} - \frac{2}{10} = -$	$\frac{7}{8} + \frac{3}{8} = -$	$\frac{6}{9} - \frac{6}{9} = -$	$\frac{4}{16} + \frac{4}{16} = -$
$\frac{3}{7} + \frac{1}{7} =$	$\frac{10}{12} = \frac{6}{12} = -$	$\frac{4}{6} + \frac{1}{6} = -$	$\frac{7}{8} - \frac{2}{8} = -$
<u>6</u> - <u>3</u> = -	$\frac{2}{8} + \frac{3}{8} =$	$\frac{5}{9} - \frac{3}{9} = -$	$\frac{5}{18} + \frac{4}{18} = -$





This amient is funded by the Furnoean Union

\_rasmus+



#### **ACTIVITY 2**

Add / subtract the fractions and simplify the result.

$\frac{5}{6} - \frac{2}{5} =$	$\frac{5}{6} - \frac{1}{4} =$	$\frac{11}{12} - \frac{5}{6} =$
$\frac{5}{6} - \frac{5}{9} =$	$\frac{2}{3} + \frac{1}{2} =$	$\frac{5}{8} - \frac{5}{8} =$
$\frac{4}{5} + \frac{4}{9} =$	$\frac{5}{8} + \frac{3}{10} =$	$\frac{2}{3} - \frac{1}{4} =$
$\frac{3}{4} + \frac{7}{12} =$	$\frac{3}{8} - \frac{1}{9} =$	$\frac{3}{8} + \frac{3}{4} =$
$\frac{7}{8} - \frac{5}{9} =$	$\frac{7}{8} + \frac{8}{9} =$	$\frac{1}{2} - \frac{3}{8} =$





	1. $2\frac{1}{5} + 1\frac{3}{4}$	5. $1\frac{1}{2} + 2\frac{3}{5}$	9. $3\frac{1}{2} - 1\frac{1}{2}$	KT. J. C.
ACTIVITY 3	2. $3\frac{1}{2} - 2\frac{2}{3}$	6. $3\frac{1}{2} - 2\frac{5}{9}$	10. $5\frac{1}{2} + 5\frac{1}{4}$	
Add / subtract the mixed fractions and simplify the result.	3. $3\frac{1}{2} - 3\frac{1}{2}$	7. $2\frac{3}{4} + 1\frac{1}{5}$	11. $1\frac{10}{11} - 1\frac{1}{3}$	
	4. $5\frac{3}{4} - 5\frac{1}{4}$	8. $3\frac{1}{4} - 2\frac{3}{8}$	12. $1\frac{5}{12} + 3\frac{1}{3}$	



This amient is funded by the European Union



## Videos





- <u>https://www.youtube.com/watch?v=Q</u> <u>gizFohvJo0</u>
- <u>https://www.youtube.com/watch?v=t</u> <u>DQipFjAoT8</u>
- https://www.khanacademy.org/math/ arithmetic/fraction-arithmetic/arithreview-add-sub-fractions/v/addingsmall-fractions-with-unlikedenominators

