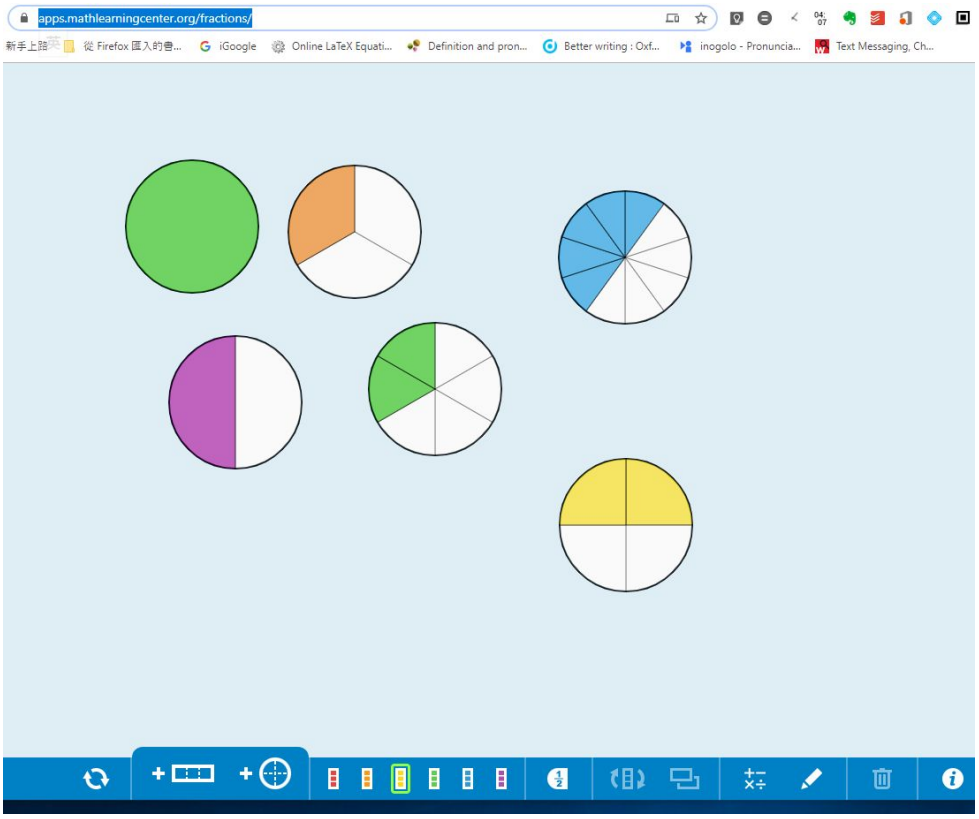
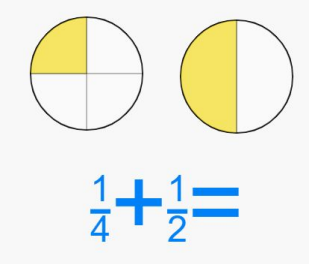
Addition of Fractions

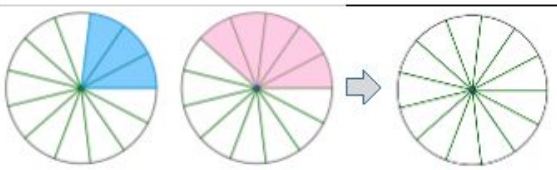
1. Using **Visual Tools** to link up operation and the reasons behind
    - Visual Tools are used (https://apps.mathlearningcenter.org/fractions/)



        - to help students establishing the concept of equal fractions
    - Cards matching activities are used to investigate how well students grasp the concepts
2. For addition of fractions with different denominators, visual tools are used to show the rationale behind the method.



- Visual Tools to help students to aware that ½+¼ is not equal to (1+1)/(2+4)
- Tools are put side by side with practice to provide better support

1. $\frac{3}{13}+\frac{5}{13}=$	
2. $\frac{2}{15}+\frac{11}{15}=$	
3. $\frac{1}{8}+\frac{3}{8}=$	
4. $\frac{2}{4}+\frac{1}{4}=$	
5. $\frac{1}{2}+\frac{1}{4}=$	

3. To support students' concept building on why common denominator is needed and how common denominator could be found, a number of fraction squares are made and printed on transparent materials for students to explore.
    - IT tool is also prepared to help