

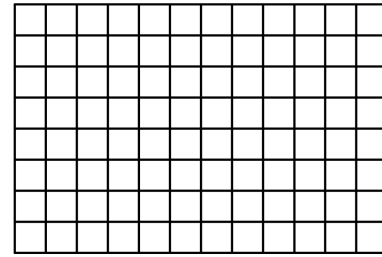
# Investigating Equivalent Fractions

**Topic: Fractions and Applied Measure**  
Students engage in a structured problem-solving lesson focused on fractions and mathematical reasoning.

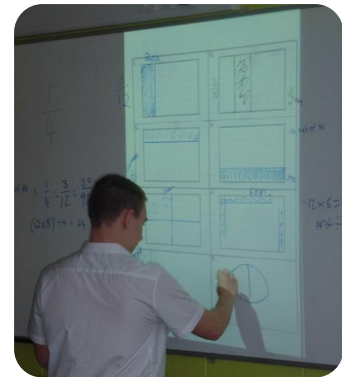
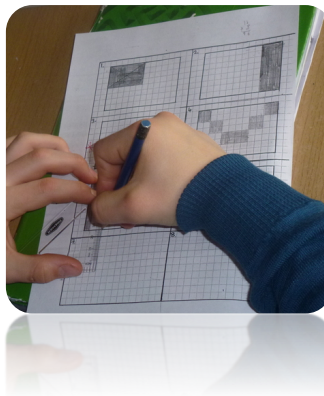
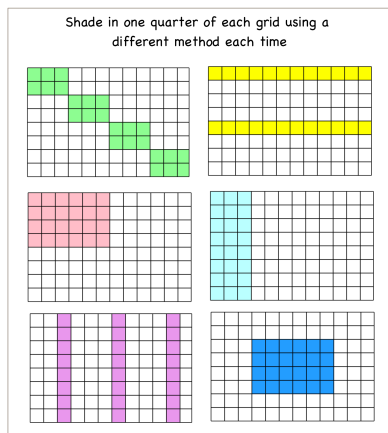
**Year Group: 2<sup>nd</sup> Year**  
**Level: Ordinary**

## Posing the Task

Can you shade in  $\frac{1}{4}$  of this grid?



## Flow of the Lesson



Prior Knowledge &  
Posing the Task  
5 minutes



Students working on  
the problem  
10 minutes



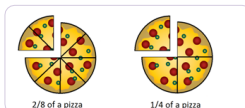
Presentation of  
Solutions & Ceardaíocht  
20 minutes



Summing up &  
Reflection  
5 minutes

## Reflecting on the Learning

Although this problem looks at equivalent fractions from a basic level the topic was chosen because it tends to be problematic for students throughout the school right up to Leaving Certificate Higher Level. The timing and flow of the lesson went as planned. On the day every student produced correct work.



Collectively the students came up with all the anticipated responses that had been prepared during Lesson Study meetings. Students communicated their reasoning very well at the board. The class teacher feels that this lesson prepared the students effectively for subsequent work on addition and subtraction of both numerical and algebraic fractions.



Developed by Michael O'Donohoe,  
Sarah O'Donohoe and Jennifer Wall  
with thanks to Enda Donnelly MDT and  
the students from Ardscoil Na Mara.

To download this lesson plan visit [www.projectmaths.ie/mc2017](http://www.projectmaths.ie/mc2017)

