

# Painting by Numbers

You need  a classmate

## Activity

Green Grove School asked the artist Fablo Fiasco to design 12 murals for the outside walls of the classrooms. The students are doing the actual painting.

They discover that 2 students can paint a mural in 12 hours.



4 students can paint 1 mural in half that time.



1. How long would 8 students take to paint a mural?
2. What fraction of a mural can be painted by 1 student in 1 hour?
3. How long would 3 students take to paint a mural?
4. There are 18 students painting the 12 murals. What is the total number of hours it should take them? Explain your reasoning to a classmate.

A strip diagram might help

	1 mural (hours)			
2 students	12	12		
4 students	6	6	6	6