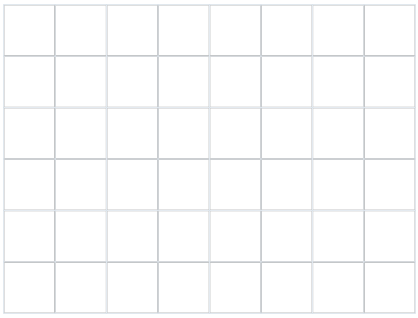
Year 5 - Adding Fractions with Different Denominators — Lesson Guide

Step 1

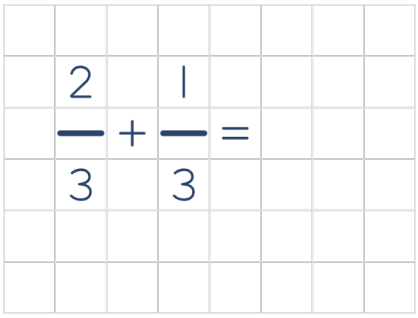
$\frac{2}{3} + \frac{2}{6} =$ ☐



First, we circle the plus sign so we know to add the fractions and find their sum.

Step 2

$\frac{2}{3} + \frac{2}{6} =$ ☐

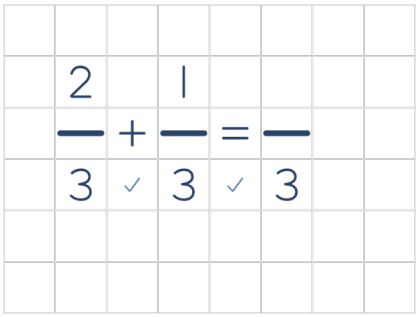


Remember: Change the numerator and denominator by the same factor to keep the value of the fraction.

First, we check whether either fraction can be simplified. One third is equivalent to two sixths. Divide the numerator and denominator by 2 to make that change. Both fractions now have denominator 3. We write 2/3 + 1/3 on the grid.

Step 3

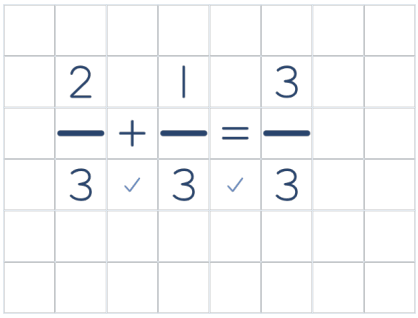
$\frac{2}{3} + \frac{2}{6} =$ ☐



Both denominators are 3, so the parts are the same size. We tick both denominators to show they match. Then, we draw the fraction line and write 3 underneath it.

Step 4

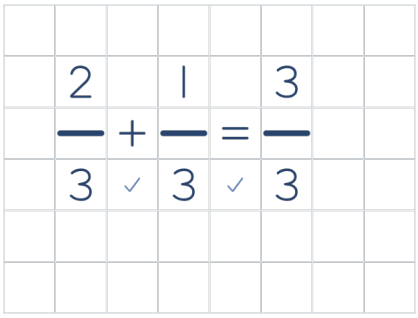
$\frac{2}{3} + \frac{2}{6} =$ ☐



Then, we add the numerators. 2 + 1 = 3. The denominator stays 3 because the parts are the same size. We write 3 above the fraction line.

Step 5

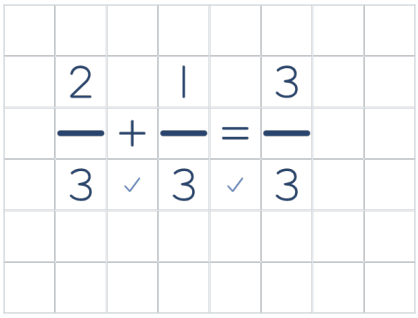
$\frac{2}{3} + \frac{2}{6} =$ ☐



The parts are the same size. Add 2 thirds and 1 third to make 3 thirds. Keep 3 as the denominator.

Step 6

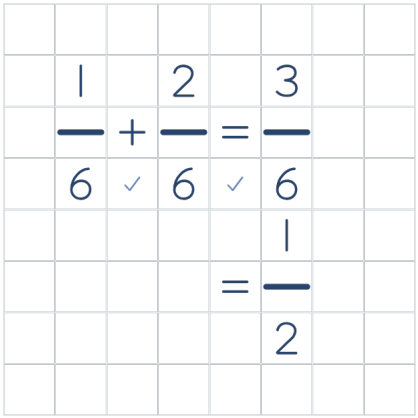
$\frac{2}{3} + \frac{2}{6} =$ **1**



3/3 is equal to 1. Copy 1 into the answer box.

Step 7

$\frac{1}{6} + \frac{1}{3} =$ $\frac{1}{2}$



The sum is 3/6. Divide its numerator and denominator by 3. 3/6 is equivalent to 1/2.