

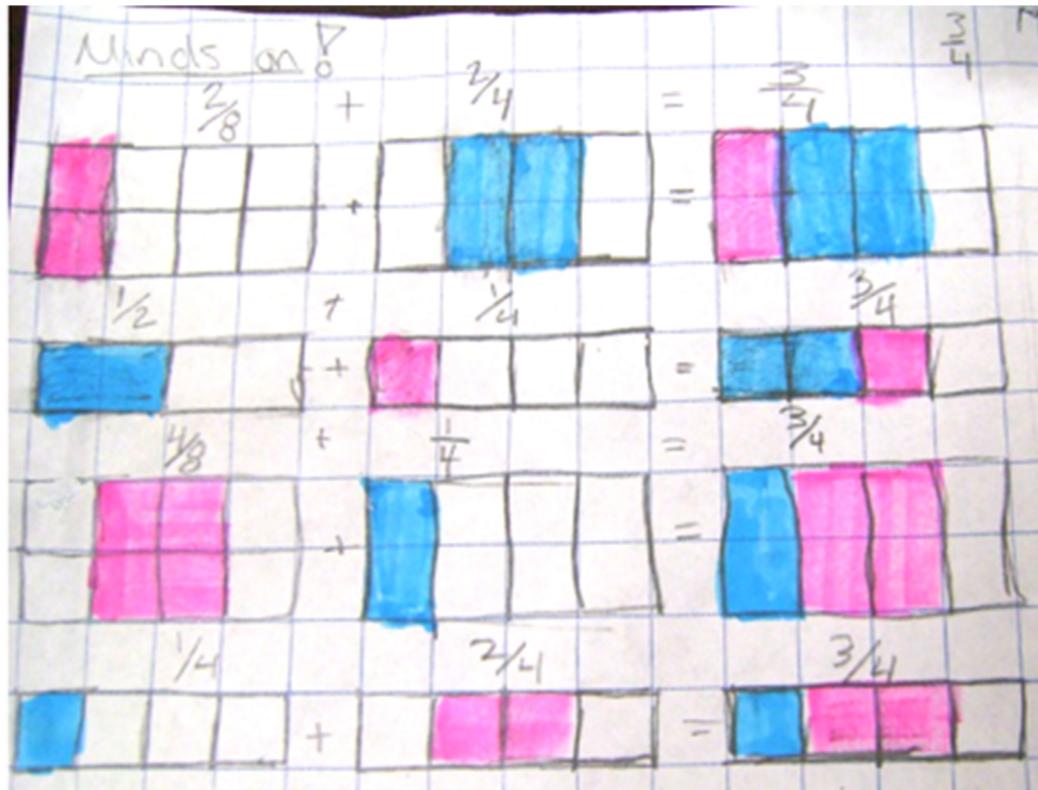
CREATING SUMS

OPERATION E

Add and subtract fractions with unlike denominators (e.g., 2 and 7) using models and symbols

These samples depict strategies and models that students may use to respond to the various prompts included in this task.

Prompt: Choose two fractions that combined have a sum of $\frac{3}{4}$



Sample 1

The student uses rectangular area models on grid paper to represent each fraction and compare. Notice how the student uses colour to represent the combined fractions as a sum of $\frac{3}{4}$. In addition to colour, the student's effective use of grid paper highlights the equivalent relationships. The student demonstrates a strong understanding of part-whole relationships when comparing unlike denominators.

Sample 2

Sample 2 In this solution, the student shows how $\frac{1}{2}$ is equivalent to $\frac{2}{4}$ by stacking the area models to show equivalency. The $\frac{1}{2}$ is partitioned into 2 one-fourth units and represents an equivalent region. Note the consistency in the student solution in that the sum is also ‘stacked’ and is expressed in $\frac{1}{4}$ units.

