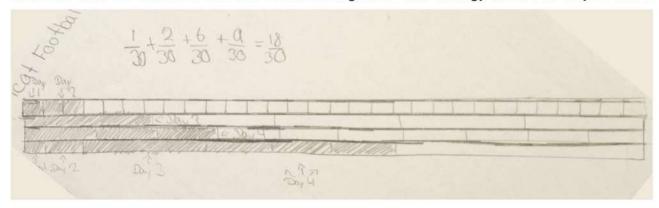
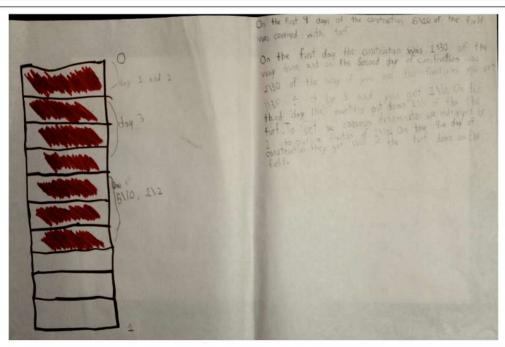
## TURF TOUCHDOWN

## **PERATION** E Add and subtract fractions with unlike demoninators (e.g., 2 and 7) using models and symbols

These students created a 'stacked ribbon' model, starting by representing Days 1 and 2 using thirtieths. They added a ribbon of fifths for Day 3 and tenths for Day 4. They then created a new ribbon to show the individual amounts combined together. This strategy worked for Days 5 and 6.



SAMPLE



These students recognized that for the first four fractions they could use tenths as the fractional unit. They didn't continue the task to Day 5.

These samples, from two different pairs of students, demonstrate consideration of the numerator in isolation from the denominator. In Sample A, the student returns to the fractional unit of thirtieths. In

Sample B, the student expresses her answer as a decimal "1.5 of turf in two days". Note that the unit of thirtieths has not been included in this sentence resulting in a vague answer.

## SAMPLE A

