## Lesson 18: Paint Splattered Bar Graph

* Let’s solve problems involving a bar graph and addition and subtraction.

### Warm-up: Number Talk: Subtract within 1,000

Find the value of each expression mentally.

* $530−420$
* $530−426$
* $535−420$
* $535−426$

### 18.1: Student Population

Oh no! Paint fell on the poster of the bar graph Clare and Priya created.



Answer the questions that you can with the graph. If a question cannot be answered, explain how you know.

1. What is the total number of students in grades 3 and 4?
2. How many more students are in grade 2 than in grade 1?
3. How many more students are in grade 3 than grade 2?
4. Write at least 2 mathematical questions that can be answered using the bar graph.

### 18.2: Asked and Answered

For each round:

1. Trade one question you came up with in the last activity with a partner.
2. Answer the question. Show or explain your reasoning.
3. If you have time, trade another question with a different partner.

Round 1:

Round 2:

Round 3:



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