

6.RP, 6.RP Hunger Games versus Divergent

Task

The 150 students at Skokie School were asked if they prefer seeing the movie *Hunger Games* or *Divergent*. The data showed that 100 preferred *Hunger Games* and 50 preferred *Divergent*.

a. Look at the following statements and decide if each accurately reports the results of the survey and explain *how you know*.

- i. At Skokie School, $\frac{1}{3}$ of the students prefer *Hunger Games*.
- ii. Students prefer *Hunger Games* to *Divergent* in a ratio of 2 to 1.
- iii. The ratio of students who prefer *Divergent* to students who prefer *Hunger Games* is 1 to 2.
- iv. The number of students who prefer *Hunger Games* is 50 more than the number of students who prefer *Divergent*.
- v. The number of students who prefer *Hunger Games* is two times the number of students who prefer *Divergent*.

b. Compare statements (iv) and (v) above. In what ways is the information given by these statements similar? In what ways is it different? Explain.

