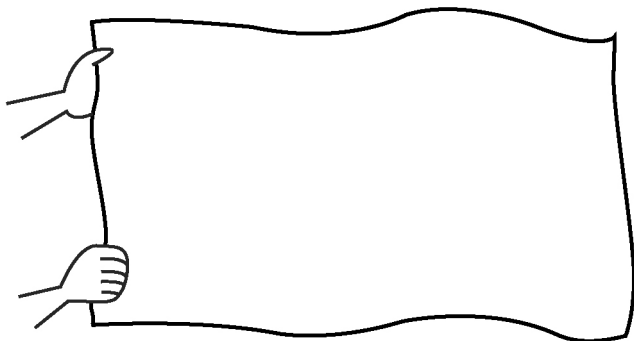


## Create a Class Flag



### Materials

- BLM Organize Mr. Jansen's Class Flag
- BLM Organize Your Class Flag
- coloured pencils of two colours

Mr. Jansen's grade 8 class is made up of 10 boys and 14 girls.

- One-third of the class is in the band.
- One-quarter of the students in the band are boys.
- One-fifth of the boys play rugby. None of the rugby players is in the band.
- One-half of the girls who are in the band play the flute.

You be one of Mr. Jansen's students. Mr. Jansen wants a class flag that will illustrate the makeup of his class.

- 1. a)** Use your understanding of fractions to calculate the makeup of Mr. Jansen's class. Show your work.  
**b)** Use your calculations to design a flag that represents the information for Mr. Jansen's class.

**2.** Now, create your own class flag.

- a)** Collect information about your own class. Some questions you might consider using are:
  - Are you in the band?
  - Is math your favourite subject?
  - Do you like rock music?
  - Do you love pizza?
  - Do you have an older sibling?
  - Do you have a favourite NHL hockey team?
  - Do you like to skateboard?
  - Are you on a sports team?

Brainstorm as a class some other questions you might ask. Post the information you collect. Record the information collected by your whole class.

- b)** Design a flag of your own that represents the class information. Include your calculations and a legend.
- c)** Create a question related to your class information that involves multiplying and dividing fractions. Have a classmate solve your question.