

School Ski Trip

Each winter, the PTA at Kailynn's school organizes a ski trip. Students pay an upfront cost, which includes a 2-night stay, transportation, meals, and 6 hours of skiing each day.

You will use the information on each page to write and solve equations to determine the **number of students** going on the trip, the **cost per student**, the **number of hotel rooms** needed for the students, the **number of buses** needed, and the **cost to rent snow boots** for tubing.

Each page needs to have:

1. An equation that is solved with all 5 lines
2. A statement interpreting the solution
3. A neatly colored picture that portrays the situation and answer.

You also need a cover page with:

1. A title
2. You as the author
3. A neatly, colored picture that shows what this book is about.

Page one has been done for you. Use this as a guideline for your other pages

[illegible]

This year, the PTA has 7 chaperones going on the trip and each chaperone will supervise exactly 15 students. How many students are going on the trip?

$$\frac{7}{1} \cdot \frac{s}{7} = 15 \cdot 7$$

$$s = 105$$

$$\frac{105}{7} = 15$$

$$15 = 15$$

If there are 7 chaperones with 15 students each there will be a total of 105 students going on the trip.



The PTA collected \$25,515 from the students to pay for the trip. How much will each student pay?

The chaperones reserve their own hotel rooms, but the PTA reserves hotel rooms for the students. Each room can hold 4 students. How many hotel rooms are needed for the students?

Students and chaperones take school buses from the school to the ski resort. Each bus seats 50 people. How many buses are needed for the trip?

Students can choose to go snow tubing during the trip, but this is not included in the cost of the trip. The cost for tubing is \$23 for the lift ticket plus the cost of renting specialty snow boots. The total cost of snow tubing is \$29. What is the cost to rent a pair of snow boots?