


## Play Time

Your class is going to watch a play at school. Here is how the chairs will be arranged for you and your classmates. There are 20 students in your class.

### Part A

5

4


 = 1 chair

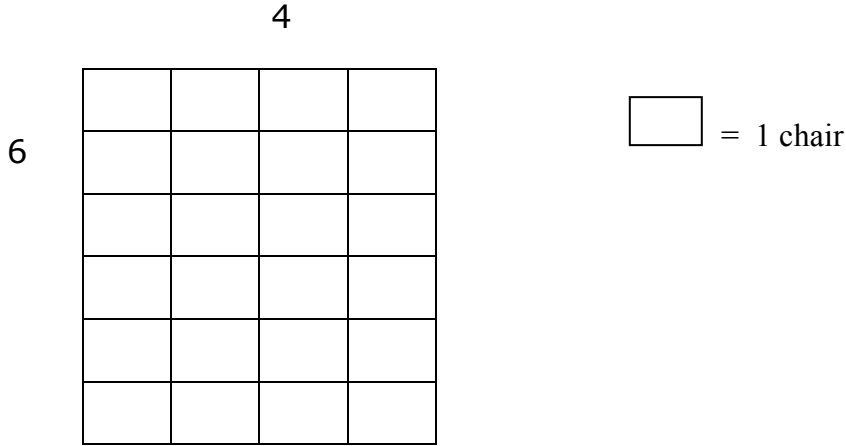
1. Write a number sentence using addition to show the arrangement of students watching the play.

2. Write a number sentence using multiplication to show the arrangement of students watching the play.

3. Write a number sentence using division to show how the 20 students were divided into equal rows and columns.

**Part B**

On day 2, another class saw the play. Here is the arrangement for those students.



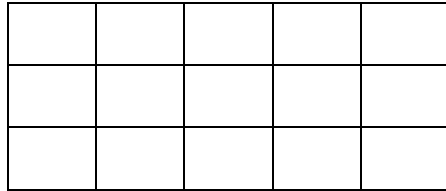
1. Write a number sentence using addition to show how many students could sit in this arrangement.


2. Write a number sentence using multiplication to show how many students could sit in this arrangement.

3. Write a number sentence using subtraction to show how many more students went to the play on day 2 than day 1.

**Part C**

Your class has been invited to a musical performance given by some students in your school. There is space for 15 students to watch at a time. Below is a picture of how the students will be arranged.



 = 1 chair

1. Write a number sentence using addition to show how the 15 students in this class were arranged.

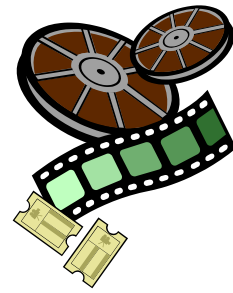
2. Write a number sentence using multiplication to show how these students were arranged.

3. Write a number sentence using division to show how the 15 students were divided into equal columns and rows.

4. Write a number sentence using subtraction to show how many more students went to the play on day 1 than the musical performance on day 3.

**Part D**

1. Draw an arrangement for **36** students to view a movie. Each row and column must have an equal number of chairs for students.



2. Write a number sentence using **either** addition or multiplication to show this arrangement.

## Play Time Scoring Guide

**Standard:** Students will understand and demonstrate computation skills.

<b>Maine Learning Result (Gr. 3-4)</b>	<b>1 Doesn't meet</b>	<b>2 Partially meets</b>	<b>3 Meets</b>	<b>4 Exceeds</b>
B.1. Solve multi-step, real-life problems using the four operations with whole numbers.	The student successfully uses 2 or fewer operations to solve problems.	The student successfully uses 3 of 4 operations to solve problems.	The student successfully uses all four operations to solve problems (Parts A, B and C). Minor flaws do not indicate misunderstandings.	The student successfully uses all four operations to solve problems (Parts A, B, and C) <b>and</b> develops an appropriate scenario and creates either a + or x problem (Part D).