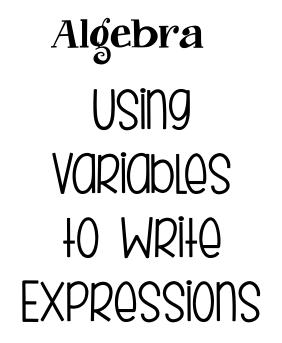
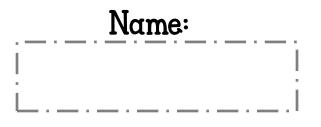
Write an algebraic expression for each phrase below.

| 4 more than a number t | _ |
|----------------------------------|---|
| 8 fewer than a number x | |
| the product of 10 and a number s | - |
| a number <i>h</i> divided by 6 | _ |
| he sum of 9 and a number | f |
| number <i>n</i> divided into 100 |) |

A local movie theater has 30 seats in each row. The balcony can seat an additional 50 people. On the lines below, choose and define a variable. Then write and explain an expression that shows how many people can be seated in the movie theater.





What is a variable? Quantities that change are called variables. They are usually shown by symbols such as lower case letters.

© www.thecurriculumcorner.com

Look at each table and determine the rule (or pattern) between the first and second numbers. Write the expression that describes the rule and complete the tables.

| First Number | Second Number |
|-----------------|------------------|
| 1 | 3 |
| 2 | 6 |
| 3 | 9 |
| 4 | 12 |
| 5 | 15 |
| k | |

Rule:

| First | Second |
|--------|--------|
| Number | Number |
| 1 | 6 |
| 2 | 7 |
| 3 | 8 |
| 4 | 9 |
| 5 | 10 |
| C | |

Rule:

Identify the operation (*addition*, *subtraction*, *multiplication* or *division*) and write the expression.

bless grapes than 14

Operation:

Expression:

xsuckers at 25¢ each

Operation:

Expression:

gchildren sharing 10 apples

Operation:

Expression:

k more pencils than 14

Operation:

Expression:

Use the variables *a* and *b* to write the formula for the perimeter of triangle DEF.

