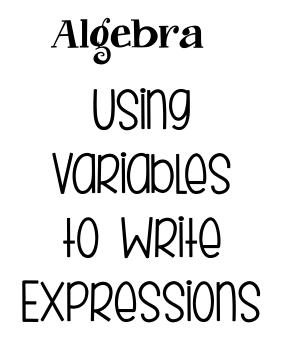
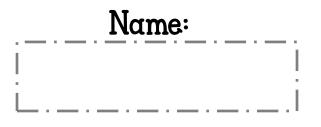
Write an algebraic expression for each phrase below.

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.

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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.

