## Unit Review

## What Do I Need to Know?

$\checkmark$
A whole number is divisible by:
2 if the number is even
3 if the sum of the digits is divisible by 3
4 if the number represented by the last 2 digits is divisible by 4
5 if the ones digit is 0 or 5
6 if the number is divisible by 2 and by 3
8 if the number represented by the last 3 digits is divisible by 8
9 if the sum of the digits is divisible by 9
10 if the ones digit is 0
A whole number cannot be divided by 0 .
A variable is a letter or symbol.
It represents a set of numbers in an algebraic expression.
A variable can be used to write an algebraic expression:
" 3 less than a number" can be written as $n-3$.

A variable represents a number in an equation.
A variable can be used to write an equation.
" 4 more than a number is 11 " can be written as $x+4=11$.
An algebraic expression can be evaluated by substituting a number for the variable.
$6 r+3$ when $r=2$ is: $6 \times 2+3=12+3$

$$
=15
$$

A relation describes how the output is related to the input. A relation can be displayed using a table of values or a graph. When points of a relation lie on a straight line, it is a linear relation.

An equation can be solved using tiles.

