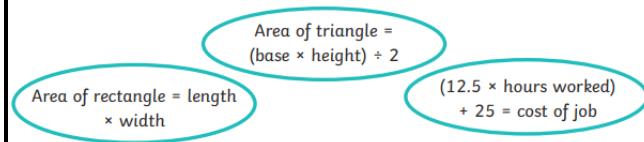


What should I already know?

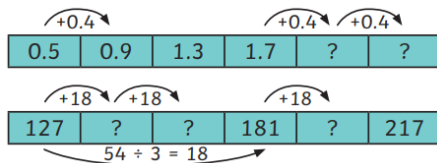
- I know how to use a bar model to show a missing number calculation involving addition, subtraction, multiplication or division.
- I know some simple formulae such as we can find the area of a rectangle by multiply the length by the width.
- I can solve correspondence problems.
- I can count forwards and backwards in a given number.

Key Knowledge

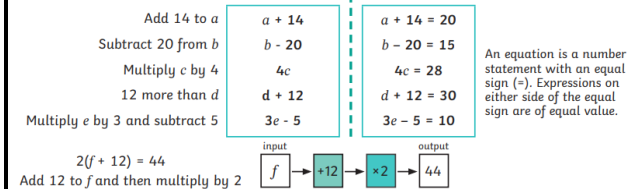
Use simple formulae



Generate and describe linear number sequences



Express missing number problems algebraically



Find pairs of numbers that satisfy an equation with two unknowns

$2a + b = 10$		$a + b = 16$ $a = 3b$	
a	b	$a + b = 16$	
2	6	$3b + b = 16$	
3	4	$4b = 16$	
4	2	$b = 4$ and $a = 12$	
5	0		

Enumerate possibilities of combinations of two variables.

Enumerating means making a complete list of answers to a problem.

- Use a system for finding the possibilities.
- Organise your findings in an ordered list or table.
- Have a way of deciding when all possibilities have been found.

There are four ice cream flavours.



Two scoops of two different flavours give six possible combinations.

- chocolate and strawberry
- chocolate and vanilla
- chocolate and mint
- strawberry and vanilla
- strawberry and mint
- vanilla and mint

Key Vocabulary and definitions

algebra	When letters and other symbols are used to represent numbers and quantities in formulae and equations.
variable	An unknown number.
expression	A string of numbers and letters joined together by mathematical operations is called an algebraic expression .
formulae	A formula is a rule . A formula can be given in words or using letters and symbols.
term	Each number in a linear number sequence.
equation	An equation has two parts separated by an equals sign. Both sides of an equation are equal.
substitution	When we replace letters with numbers in an algebraic expression in order to find missing values.
enumerate	Making a complete list of answers to a problem.