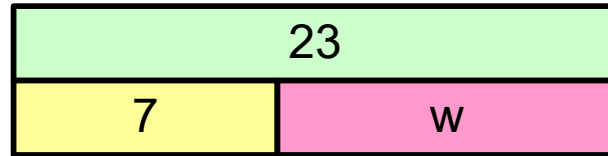
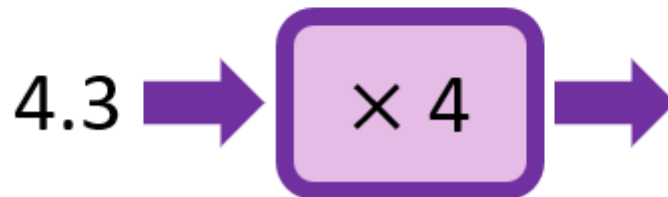
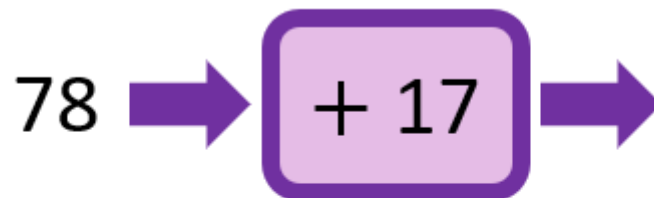


Knowledge Recall: Understanding and using algebraic notations

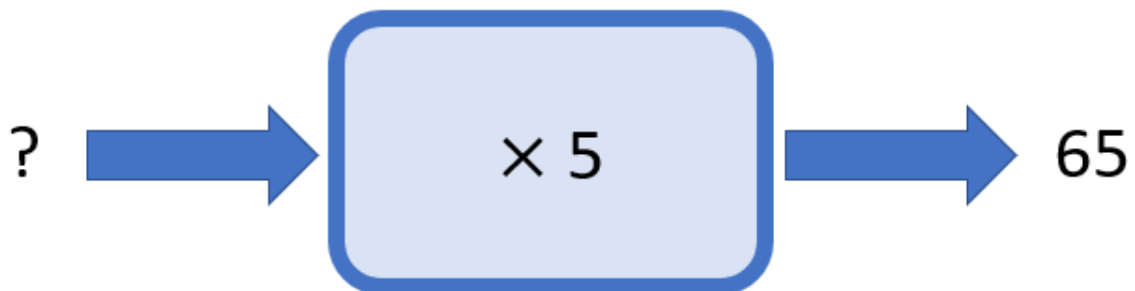
1. Write an algebraic equation that is represented by this bar model.



2. Work out the output of these function machines:



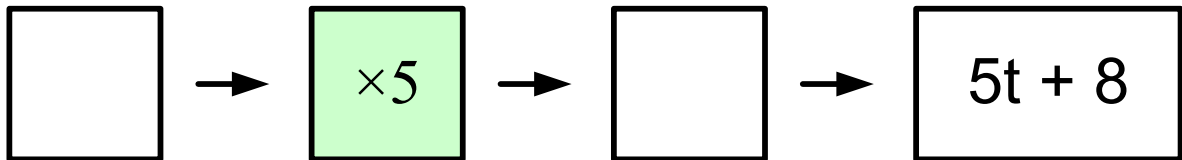
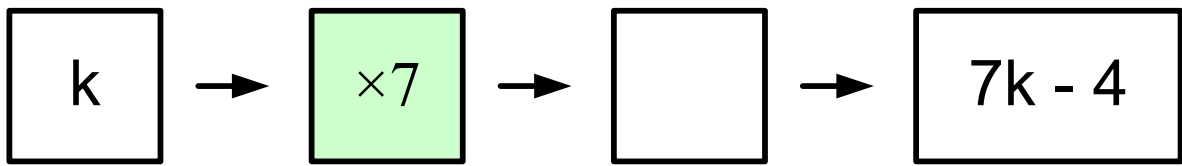
3. What number is put into this function machine to achieve the result shown?



4. What is the twentieth term in the sequence generated by the following expression?

$$3n - 7 =$$

5. Complete the function machines with the correct number and operation.



6. Substitute $n=1, n=2, n=3$ etc into each of these expressions.

n	1	2	3	4	5
$3n$					

n	1	2	3	4	5
$5n - 2$					

7. Give an expression to describe the following sequence.

17, 20, 23, 26, 29

HM	TM	M	HTh	TTh	Th	H	T	O

HM	TM	M	HTh	TTh	Th	H	T	O

HM	TM	M	HTh	TTh	Th	H	T	O

HM	TM	M	HTh	TTh	Th	H	T	O

HM	TM	M	HTh	TTh	Th	H	T	O