



Working with numeric patterns

CAPS Statement

Patterns, Functions and Algebra;

Numeric patterns:

Input and output values: Determine input values, output values and rules for patterns and relationships using flow diagrams.

Note

These three factors combined provide a pattern or flow diagram:

Input - what is being put in.

Output - what you get out after calculating.

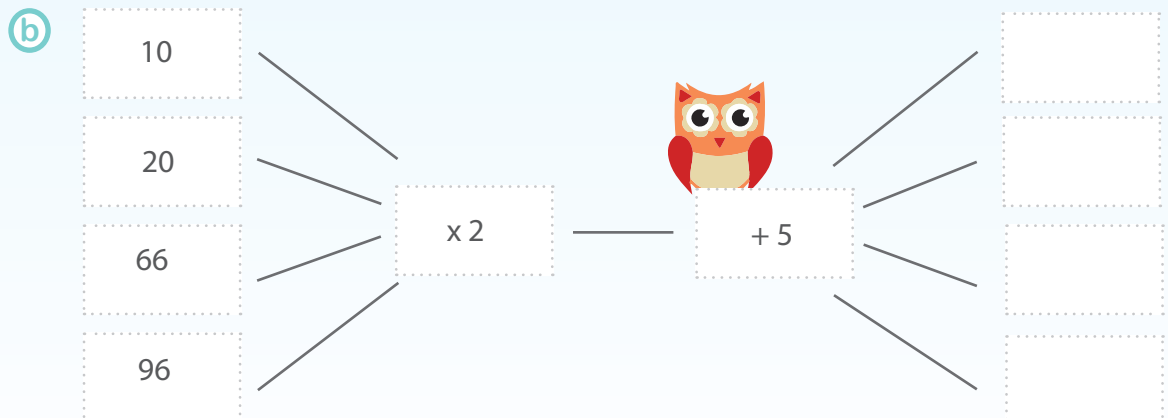
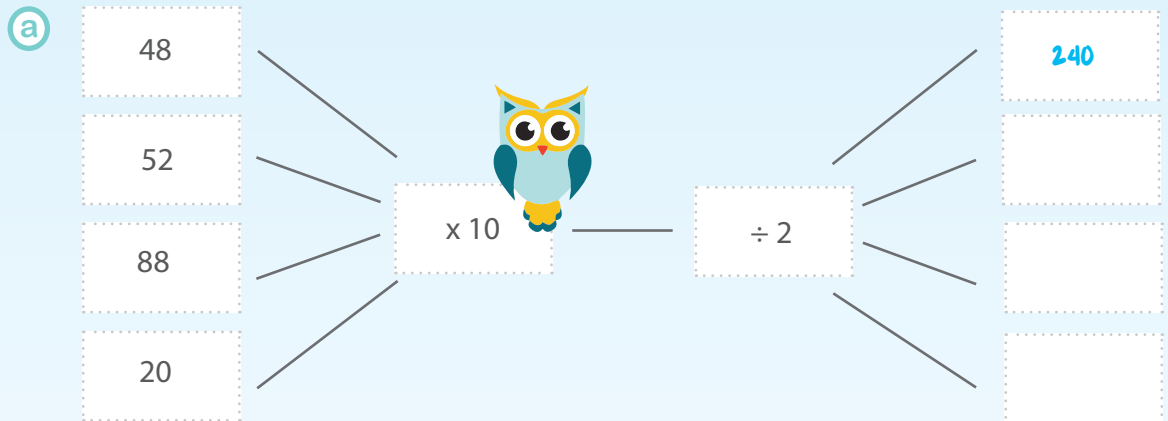
Relationship - the way in which an input and output are connected.

For example:

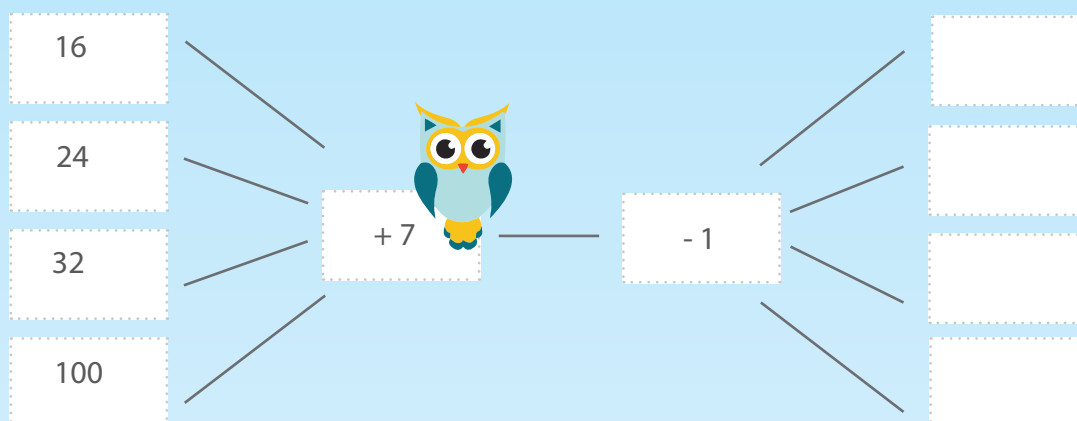
Input	Relationship	Output
21	$\div 7$	3
45	$\times 2$	90

Activity 1

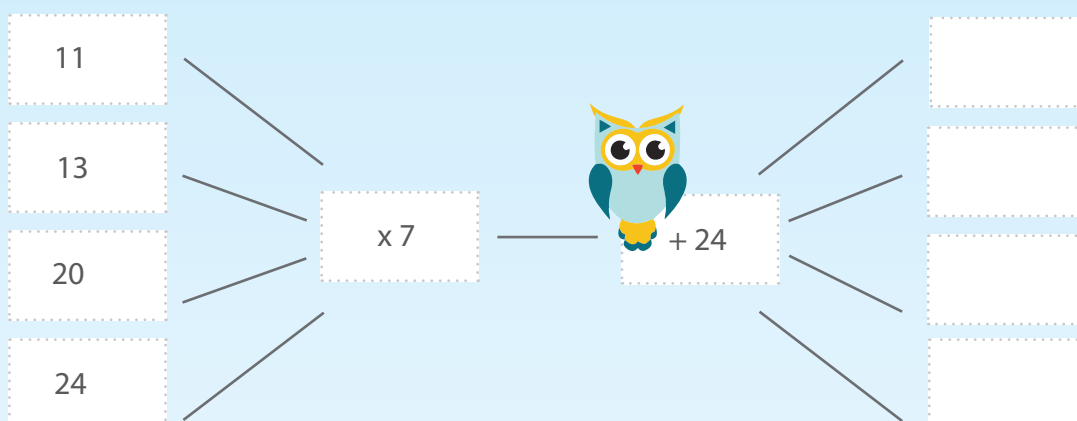
Complete the flow diagrams. Learners can use inverse operations.



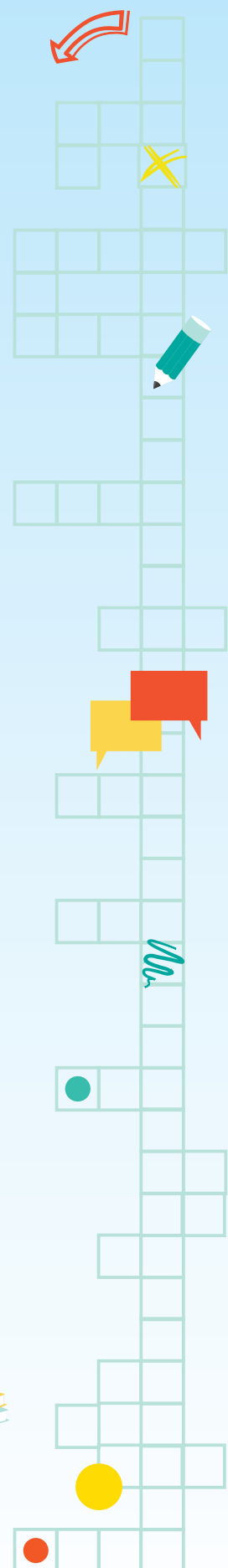
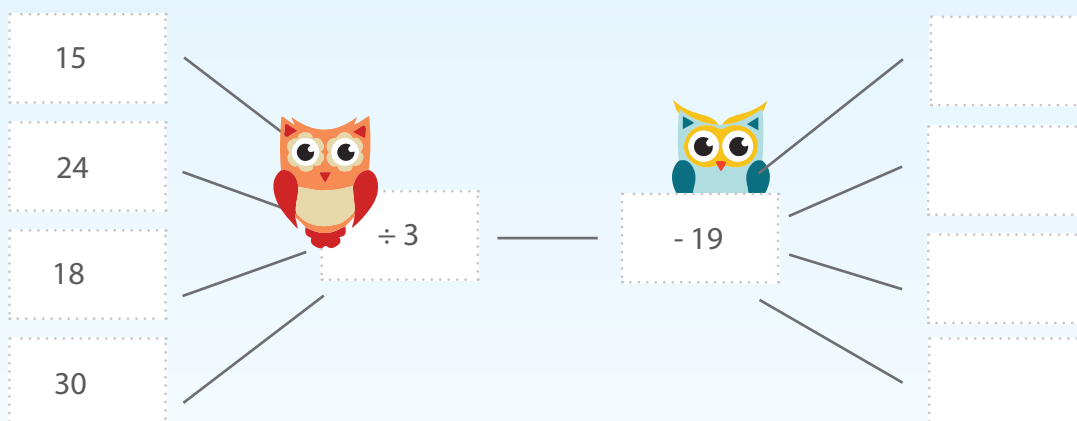
c



d



e



Teacher Tip



Allow learners to use matchsticks to create patterns that their peers can complete. This will help them in Activity 1.