## ARBs collections - Maths Level 3

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The ARBs are an online repository of resources designed for teachers to use in the classroom for Maths, English, and Science.
Here is a collection of formative assessment resources for learning at Level 3.
Resources can be downloaded (to be completed on paper), or students can complete them online. At the end of the task, students can email or download their results.

## Number

## Making a cake

Paper/Digital
Work out the extra amounts of ingredients needed for a recipe and complete a table of results.

## Saving for a pet

Paper
Solve addition story problems involving numbers of different magnitude to explore their place value understanding.

## School garden

Paper
Answer maths
problems involving multiplication and show their strategies.

## Fruit salad

Digital
Select the correct
fraction of fruits to
click and drag into a bowl.

## Toy holiday

Digital
Select the correct

## Patterns

Missing numbers and rules
Paper/Digital Identify missing numbers and the rule for a growing number pattern.

Stick patterns and rules
Paper/Digital
Describe a functional rule for two spatial patterns.

Stick patterns and rules II
Paper/Digital
Describe a functional rule for two spatial patterns.

## Stacking cans

 PaperWork out the number
of cans in a stack of a given height, and complete a sentence that states the rule.

## Transforming patterns IV

Paper/Digital Identify what
and drag into a suitcase.

## Shape

What shape am I? Digital
Using clues about shape propoerties to identify a given shape. to objects on a grid.

## Describing 3-D shapes

Paper/Digital
Give the number of vertices, edges and faces, and complete sentences to describe different 3dimensional shapes.

## Corners, faces and

 edges IIPaper/Digital
Identify the shape name, the number of faces, edges and vertices of a selection of everyday objects.

## Rectangle or not?

Paper/Digital
Decide whether
shapes rectangles or not and explain their reasoning.

## Triangle or not? <br> Paper/Digital

Select shapes that are similar but not triangles and explain what makes them

## Maps and Coordinates

## Directions to food

 Paper/Digital Describe the compass direction and distance
## Battleship grids

Digital
Give grid references, and drag and drop grid references onto a grid.

## More battleships

Paper/Digital Identify positions on a grid using grid references.

## Treasure Island II

 PaperIdentify distances and mark positions on a treasure map with a scale.

## Sharing chocolate

 Paper/DigitalAnswer questions by dividing a given amount of chocolate bars equally, and finding a fraction of the total amount.

Number machines II triangles or not Paper
Identify the missing part of equations shown as number machines.

## Calculator patterns

Paper
Complete rules for number patterns generated using a calculator.

## One cut

Paper
Draw the cross section indicated on 6
different food items.

## Design a box

Paper - Practical task
Design a net for a
lidded cardboard cube
to hold a tennis ball.

They then cut out and construct the cube.

Tangram shapes
Paper - Practical task
Cut out tangram
shapes and arrange
them to fit two
different ways into rectangle outlines and once into a triangle outline.

