

## Geometry 4, Using grids and grid references

# Battleshapes

### How this will help your child

- This activity will allow your child to use grid references to describe positions.
- It will allow them to use position and direction words to ask questions to help them find shapes on a grid.

### Words and phrases to use

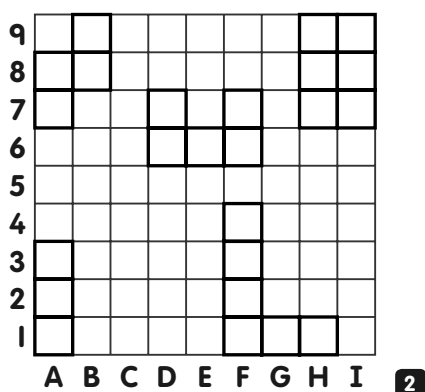
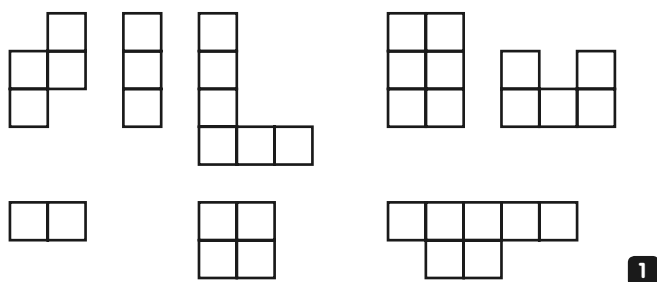
after, before, between, row, column, left, right, direction, position, grid reference, more than, fewer than, symmetrical, up, down, forward, back, above, below, next to

### You will need

- Scissors
- 2 pencils
- Eraser

### During the activity, look at what your child can do

- Find shapes on a grid.
- Use grid references correctly.

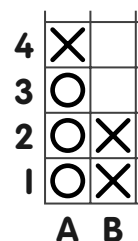


### What to do

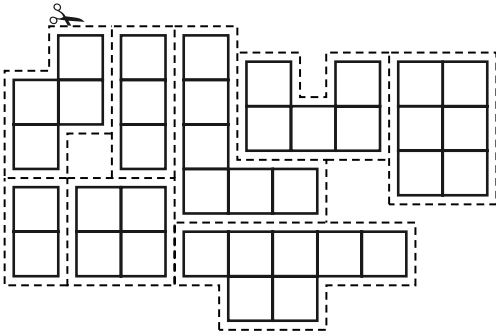
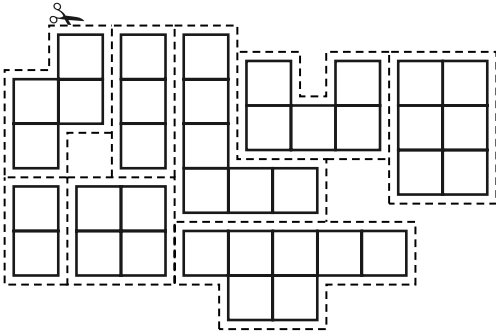
- Cut out the grids and the two sets of shapes from the Battleshapes sheet. Give one pair of grids and one set of eight shapes to your child and keep the others for yourself. You will share the speech bubble prompt.
- Look at the shapes with your child. Talk about how many squares each shape is made of and if the shape reminds your child of anything, e.g. an 'L' shape. **1**
- Keep your grids hidden from each other. Ask your child to secretly select five of their eight shapes and place them on the squares on one of their grids, any way round but not touching. Now arrange your set of shapes on your grid. **2**
- Ask your child to name a square where they think a shape might be hidden on your grid, e.g. A3.
- If one of your shapes covers this square, your child draws a circle in that square on their empty grid. **3**
- They then ask you a question about the shapes which must have a yes/no answer. They may use the speech bubble card as a prompt, e.g. 'Does it cover anywhere in column A?'
- Using the answer, they name another square where the shape may be. They continue asking questions until they 'miss' or until they find the whole shape. If they miss they draw an X in that square.
- Take turns to find each other's shapes until a winner finds all five.

### Next steps...

- Rub out pencil marks and play again using different shapes.
- Find examples of maps with grids and ask your child to use grid references to find somewhere.



# Battleshapes



Does it cover more than ... squares ...?  
 Does it cover fewer than ... squares ...?  
 Does it cover anywhere in column ...?  
 Does it cover anywhere in row ...?  
 Is it symmetrical?  
 Is it between rows ... and ...?  
 Is it between columns ... and ...?  
 Is it in a row after row ...?  
 Is it in a column after column ...?

✂

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Geometry, Measurement and Statistics 3  
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