


## Year 4 maths week 1

5 days of problem solving	Day 1 Activity	Day 2 Activity	Day 3 Activity	Day 4 Activity	Day 5 Activity
<b>Factual fluency</b> (to aid fluency)	<a href="https://www.topmarks.co.uk/maths-games/daily10">https://www.topmarks.co.uk/maths-games/daily10</a> Daily 10 Level 4-multiplication-mixed tables x3 and x6	<a href="https://www.topmarks.co.uk/maths-games/daily10">https://www.topmarks.co.uk/maths-games/daily10</a> Daily 10 Level 4-multiplication-mixed tables x6 and x12	<a href="https://www.topmarks.co.uk/maths-games/daily10">https://www.topmarks.co.uk/maths-games/daily10</a> Daily 10 Level 4-multiplication-mixed tables x7	<a href="https://www.topmarks.co.uk/maths-games/daily10">https://www.topmarks.co.uk/maths-games/daily10</a> Daily 10 Level 4-multiplication-mixed tables x9	<a href="https://www.topmarks.co.uk/maths-games/daily10">https://www.topmarks.co.uk/maths-games/daily10</a> Daily 10 Level 4-multiplication-mixed tables x11
<b>Problem/activity of the day</b>	Look at the 'positional language' support below. Each position has its own diagram to help people understand the meaning of each word. Draw your own set of pictures to show a younger child the meaning of each positional word.	Set up an obstacle course in your home or garden using simple things from around the house.  Blindfold a member of your family and use positional language to guide them around the course.	Draw a map of an imaginary world. Include all of the features you want other people to be able to reach.  Using positional vocabulary, write sentences describing the location of each feature.	Shackleton's Endurance is setting sail from (0,0). The crew are aiming to reach (10,10) safely but there are icebergs around the area. What is the safest way for Endurance to reach (10,10)? Write the coordinates of the route. Is there a faster way?	Sam draws a house by plotting each point with the co-ordinates shown below and joining them up. (4,0), (4,4), (2,4), (4,6), (6,6), (6,8), (7,8), (7,6), (8,6), (10,4), (8,4), (8,0), (7,0), 7,2), (5,2), (5,0). Create your own drawing by plotting co-ordinates and joining them.
<b>Resources you will need</b>	Positional language support	Objects from around the house. Positional language support Blindfold.	Positional language support Paper and pencils.	Image of the grid Paper and pencils.	Pencil Grid paper (below).
<b>Tips, clues or methods to help</b>	Mark the position on each of your pictures with a cross or dot. 	Make sure you leave enough space between obstacles. Be clear with your vocabulary so the blindfolded person doesn't fall!	Use the positional vocabulary word bank to help you.	<u>Along the corridor</u> (tells us the number on the x-axis) <u>and up the stairs</u> (tells us the number on the y-axis)	Along the corridor (tells us the number on the x-axis) and up the stairs (tells us the number on the y-axis)
<b>Want to check?</b>	Check positional language support	No checking required	Check positional language support	Check the rhyme	Check each point
<b>Theme</b>	Position and Movement	Position and Movement	Position and Movement	Position and Movement	Position and Movement

**Additional support:** Positional vocabulary word bank, Shackleton's Endurance grid and instructions, grid paper

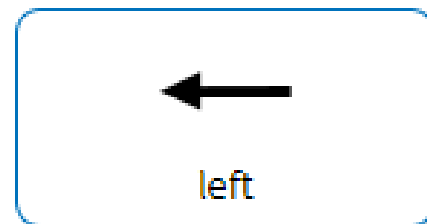
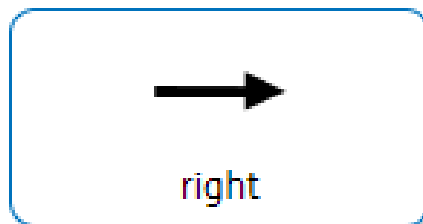
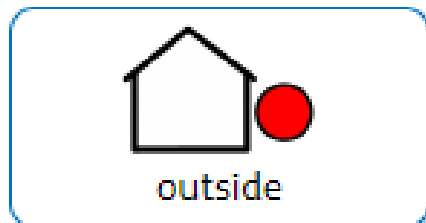
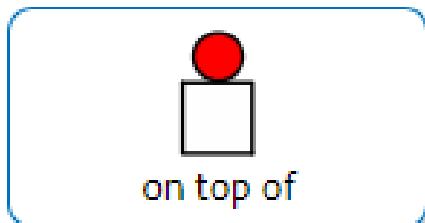
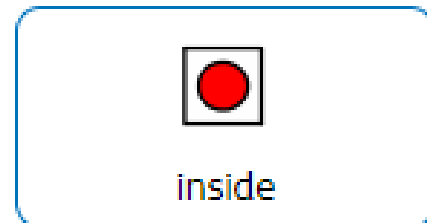
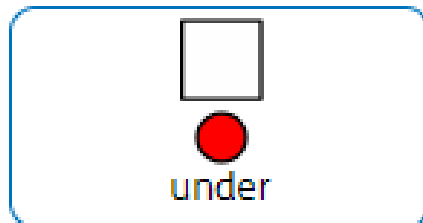
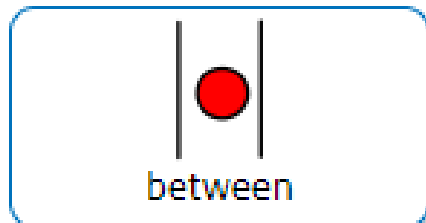
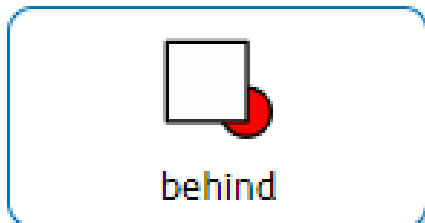
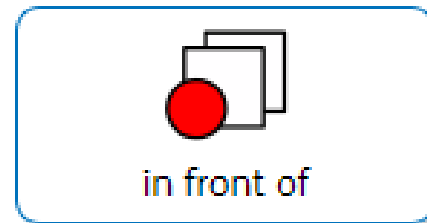
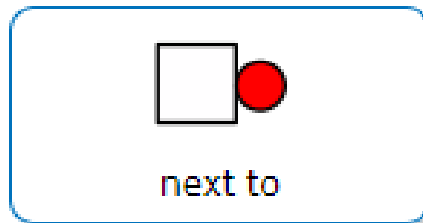
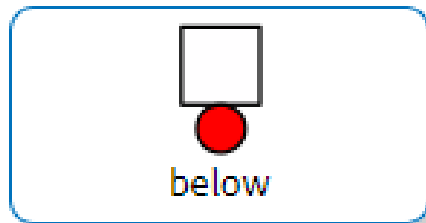
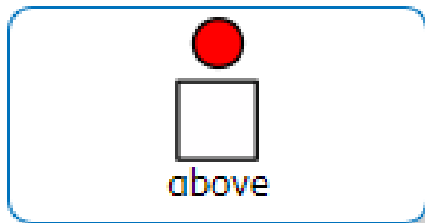
**Additional online activities:**

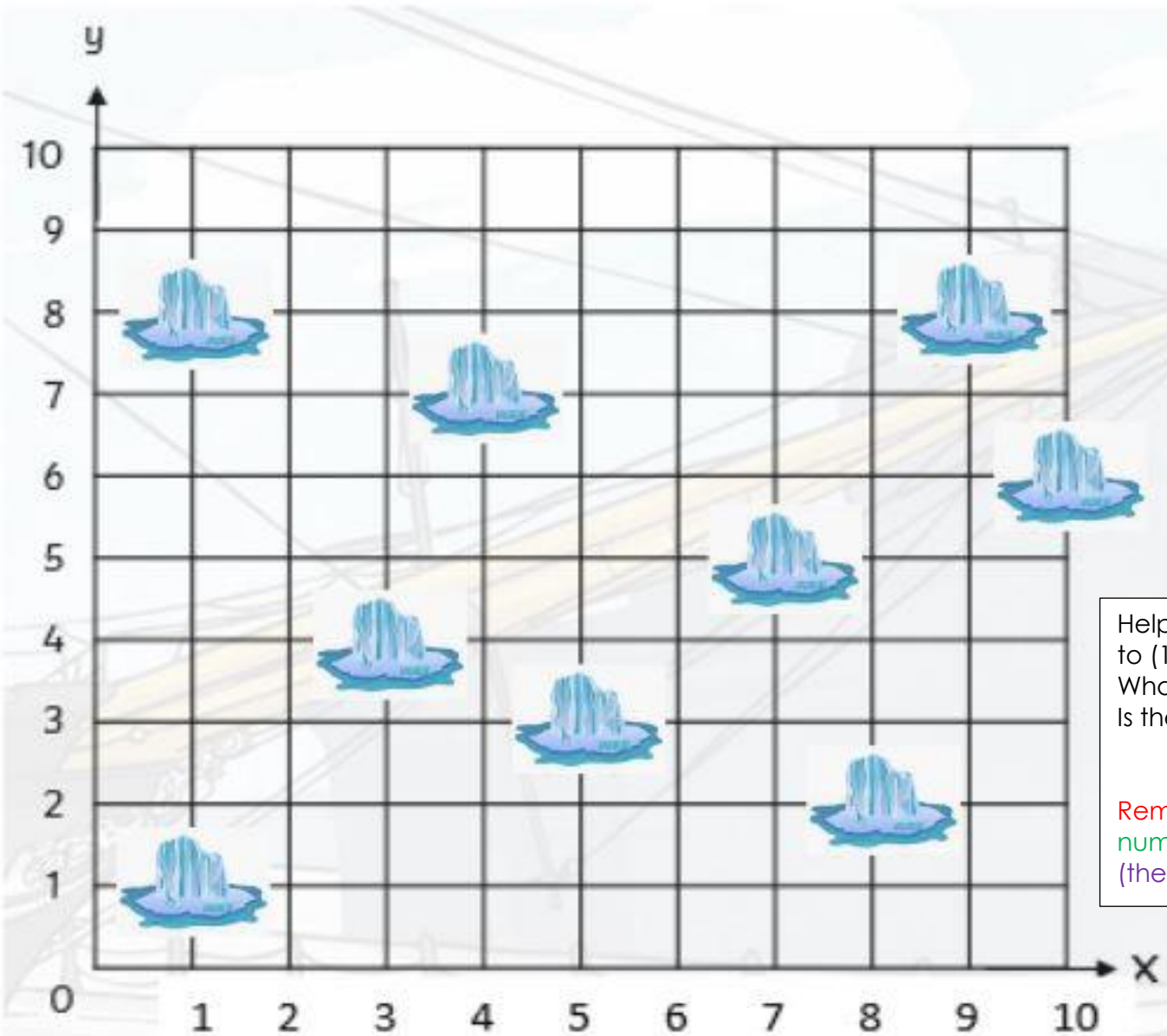
<https://www.teacherled.com/iresources/coordinates/showthecoordinate/>

[https://mathsframe.co.uk/en/resources/resource/153/coordinates\\_reasoning\\_about\\_position\\_and\\_shapes#](https://mathsframe.co.uk/en/resources/resource/153/coordinates_reasoning_about_position_and_shapes#) Level 1

**Positional language support**

## Positional Vocabulary





Help **Shackleton's Endurance** sail safely from (0,0) to (10,10)  
 What is the safest route? Write the coordinates.  
 Is there a faster way? Write the coordinates.

Remember the rhyme: Along the corridor (the number along the bottom - x axis) and up the stairs (the number on the side - y axis).

