

To be able to describe movement along straight lines

**MathShed**

**Starter:**  
Which one doesn't belong?

Explain your answer.

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**Activity 1:**  
Draw a four space by four space grid.  
Partner 1 has a counter or cube.  
Partner 2 gives instructions like:

- "Move the counter up two spaces."
- "Move the counter left one space."
- "Move the counter backwards three spaces."

(Repeat with children acting as counters on a four by four grid drawn on the playground.)

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**Activity 2:**  
Look at the grids, then complete the sentences below.

The goat has moved \_\_\_\_\_ one space.

The goat has moved \_\_\_\_\_ three spaces.

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**Activity 3:**  
Match each image to its direction instructions.

move up 2 spaces      move left 3 spaces      move right 2 spaces      move down 3 spaces

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**Activity 4:**  
Place arrows on the grid to show:

- The goat moving forwards two spaces.
- The rooster moving left three spaces.
- The parrot moving backwards one space.
- The penguin moving right by one space.

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**Activity 5:**  
What's the same? What's different?

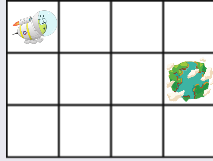
Explain your answer.

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**Activity 6:**

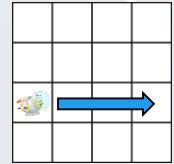
How many different sets of directions can you write to get Astrobee back to Planet Earth?



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**Evaluation:**



Do you agree with Astrobee's directions?  
Explain your answer.