

### How to:

1. Follow the steps then write down where you are. Use the map on the next page.
2. As a challenge, complete the reasoning and problem solving questions.

### Describing the position of objects.

Watch the following video: <https://www.bbc.co.uk/bitesize/clips/zy26sbk>

### Describe position

Beginning at start, follow the steps then write down where you are...

1. Take 3 steps right. Where are you?
2. Take 1 step right and 2 steps forward. Where are you?
3. Take 2 steps right and 1 step forward. Where are you?
4. Take 2 steps right and 4 steps forward. Where are you?
5. Take 2 steps right. 3 steps forward and 1 step right. Where are you?
6. Take 2 steps right, 4 steps forward and 2 steps right. Where are you?

Give your partner instructions to get to these places...

1. The party
2. The bus stop
3. The beach

Remember, you can't go through the aliens!

# Giving and Following Directions

|   |   |   |  |   |
|---|---|---|--|---|
|    |   |    |  |    |
|    |  |   |    |   |
|   |  |   |   |   |
|  |   |  |  |   |
| <b>START</b>  |   |   |  |  |



Forward



Backward



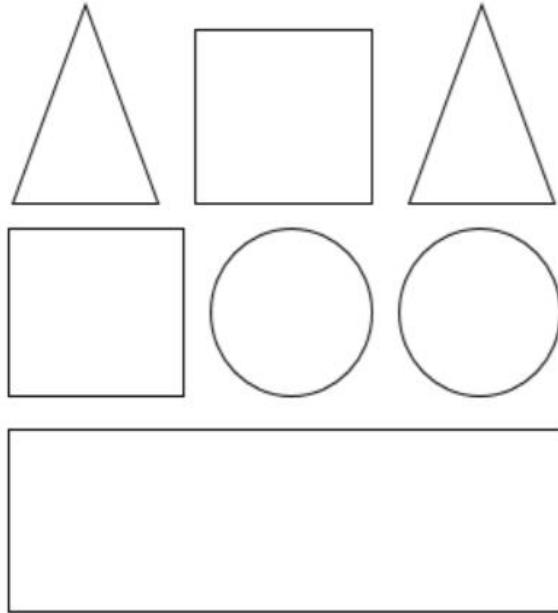
Left



Right

## Reasoning and problem solving

Use the clues to colour the shapes.



- The circle in the middle is blue.
- The circle on the right is red.
- The shape up from the right circle is green.
- The shape down from the circles is green.
- The square to the left of the green triangle is red.
- The four-sided shape up from the rectangle is blue.
- The triangle on the left is red.



Mo

The pink doughnuts  
are on the left.

The pink doughnuts  
are on the right.






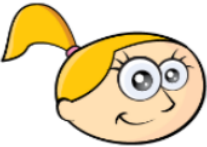

Alex



Who is correct?  
Explain how you know.

How many different ways can you  
describe the position of the 2p coin?



|         |   |   |
|---------|---|---|
| Whitney | <br>Jack |   |
|         |          |          |
|         |          | <br>Dora |

Jack is directly above Alex.

Eva is directly below Alex.

\_\_\_\_\_ is to the right of Eva.

There is no-one above Amir.

What are the missing names?

Add people to complete the grid and describe where they are.

## Answers

### Describe position

Follow the steps then write down where you are...

1. Take 3 steps right. Where are you? **School**
2. Take 1 step right and 2 steps forward. Where are you? **Airport**
3. Take 2 steps right and 1 step forward. Where are you? **Park/Slide**
4. Take 2 steps right and 4 steps forward. Where are you? **Funfair**
5. Take 2 steps right. 3 steps forward and 1 step right. Where are you?  
**Shop**
6. Take 2 steps right, 4 steps forward and 2 steps right. Where are you?  
**Swimming pool.**

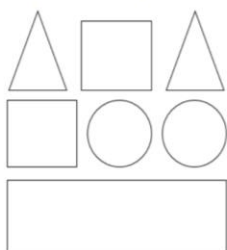
Give your partner instructions to get to these places...

7. The party- Take 1 step right, 2 steps forward, 1 step left and 1 step forward.
8. The bus stop- Take 3 steps right, 1 step forward, 1 step right and 1 step forward.
9. The beach-Take 2 steps right, 4 steps forward and 2 steps left.



## Reasoning and problem solving answers

Use the clues to colour the shapes.



- The circle in the middle is blue.
- The circle on the right is red.
- The shape up from the right circle is green.
- The shape down from the circles is green.
- The square to the left of the green triangle is red.
- The four-sided shape up from the rectangle is blue.
- The triangle on the left is red.



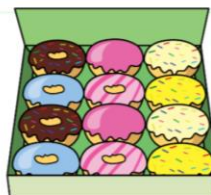
Mo

The pink doughnuts are on the left.

The pink doughnuts are on the right.



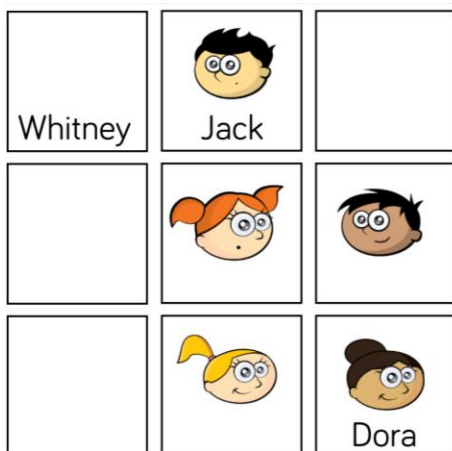
Alex



Who is correct?  
Explain how you know.

Both children could be correct because they have not stated what the pink doughnuts are left or right in relation to.

The pink doughnuts are on the left of the yellow doughnuts and the pink doughnut are on the right of the blue and brown doughnuts.



Jack is directly above Alex.  
Eva is directly below Alex.  
\_\_\_\_\_ is to the right of Eva.  
There is no-one above Amir.  
What are the missing names?  
Add people to complete the grid and describe where they are.



How many different ways can you describe the position of the 2p coin?



Possible answers may include:

The 2p coin is:

**Below** the 50p

**Above** the 10p

**In between** the £1 and 5p

To the **left** of the 5p

To the **right** of the £1