

To be able to measure angles in degrees

MathShed

Starter:
Match the following diagrams, labels and measurements.

	half turn	90 degrees
	full turn	180 degrees
	quarter turn	360 degrees

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Activity 1:
The cat is currently facing the tree.
Complete the sentences below.

If she makes a full turn, she will be facing _____.
A full turn is equal to ___ degrees.

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Activity 2:
The dog is currently facing the fountain.
Complete the sentences below.

If he makes a half turn, then he will be facing _____.
A half turn is equal to ___ degrees.

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Activity 3:
The cat is currently facing the mouse.
Complete the sentences below.

If she makes a half turn, she will be facing _____.
If she makes a half turn in the other direction, she will be facing _____.

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Activity 4:
Complete the sentences below.

If Captain Redbeard is facing the lamp and turns 90 degrees anti-clockwise, he will be facing _____.
Captain Redbeard faces the diamond, then turns and faces the lamp, he has turned ___ degrees.

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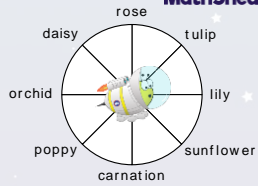
Activity 5:
Captain Redbeard is stood in the middle of a deserted island.
He starts off facing a ship, then he turns 180 degrees and he is facing a tree, he turns 90 degrees and is facing a parrot.
Sketch what has been described in the circle template provided.

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Evaluation:

 If I start off facing the tulip, then turn 270 degrees anti-clockwise, I will be facing the daisy.



Is Astrobee's statement true or false?
Explain your answer in full.