


To be able to identify turns and angles

MathShed

Starter:
If the minute hand on a clock starts at 12 and stops at 6, what turn has it made?

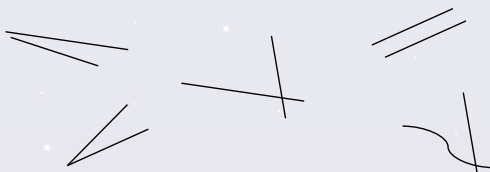


Explain your answer in words and by demonstrating on the clock face above.

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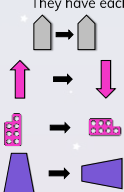
Activity 1:
Circle the lines below that do not make angles.



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Activity 2:
Match the following diagrams to the correct phrases. They have each been turned anti-clockwise.



half turn
 quarter turn
 full turn
 three-quarter turn


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Activity 3:
Referring to the compass, complete the sentences:

Yasmin was facing North.
She made a $\frac{3}{4}$ turn clockwise.
She is now facing _____.

Ahmed was facing East.
He made a $\frac{3}{4}$ turn anti-clockwise.
He is now facing _____.




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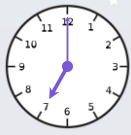
Activity 4:
The clock on the right shows the time now. Ruth and Jamal are predicting what the clock will look like in three-quarters of an hour.

Ruth:



Jamal:



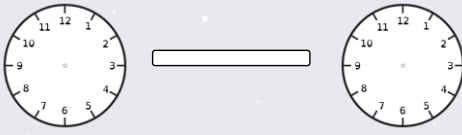


Who do you agree with?
Explain your answer.

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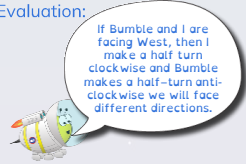
Activity 5:
Create your own clock completing activity for your table partner!



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Evaluation:



If Bumble and I are facing West, then I make a half turn clockwise and Bumble makes a half-turn anti-clockwise we will face different directions.

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