Follow the instructions and rotate these arrows. Draw their final position.

|  |  |  |
| --- | --- | --- |
| Turn the arrow **¼** turn **clockwise**. | Image result for hand on a blank clock face |  |
| Turn the arrow **¼** turn **anti-clockwise**. | Image result for hand on a blank clock face |  |
| Turn the arrow **½** turn **clockwise**. | Image result for hand on a blank clock face |  |
| Turn the arrow **a full** turn **anti-clockwise**. | Image result for hand on a blank clock face |  |
| Turn the arrow **¾** turn **clockwise**. | Image result for hand on a blank clock face |  |
| Turn the arrow **¾** turn **anti-clockwise**. | Image result for hand on a blank clock face |  |
| Turn the arrow **¼** turn **anti-clockwise**. | Image result for hand on a blank clock face |  |
| Turn the arrow a **¼** **clockwise**. | Image result for hand on a blank clock face |  |
| Turn the arrow a **¾** **anti-clockwise**. | Image result for hand on a blank clock face |  |
| Turn the arrow a **½** **clockwise**. | Image result for hand on a blank clock face |  |

This bug has rotated.



Anne says. ‘The bug has made **½** turn **clockwise**.’

Ben says, ‘The bug has made **½** turn **anti-clockwise**.’

Who is right? \_\_\_\_\_\_\_\_

Why?