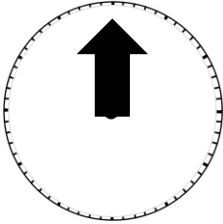
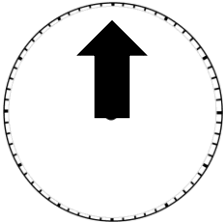
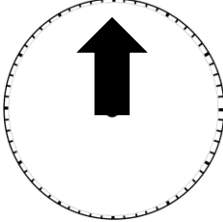
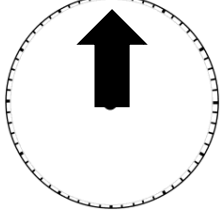
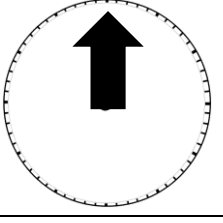
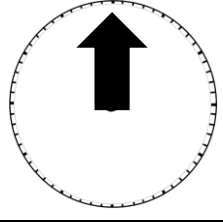
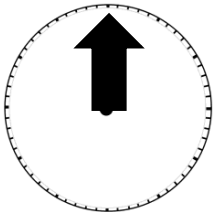
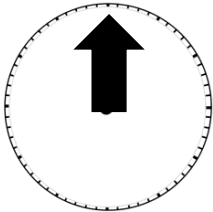




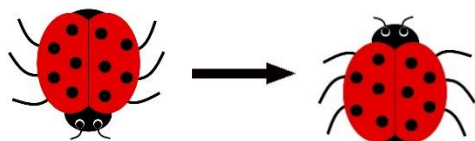
I am learning to make full turns, a right angles turn for quarter, half and three quarter turns both clockwise and anti-clockwise.

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

Turn the arrow $\frac{1}{4}$ turn <u>clockwise</u> .		
Turn the arrow $\frac{1}{2}$ turn <u>clockwise</u> .		
Turn the arrow $\frac{3}{4}$ turn <u>clockwise</u> .		
Turn the arrow a full turn <u>clockwise</u> .		
Turn the arrow $\frac{1}{4}$ turn <u>anti-clockwise</u> .		
Turn the arrow $\frac{1}{2}$ turn <u>anti-clockwise</u> .		

Turn the arrow $\frac{3}{4}$ turn <u>anti-clockwise</u> .		
Turn the arrow a full turn <u>anti-clockwise</u> .		

└ This bug has rotated.



Anne says. 'The bug has made $\frac{1}{2}$ turn **clockwise**.'

Ben says, 'The bug has made $\frac{1}{2}$ turn **anti-clockwise**.'

Who is right? _____

Why?