

Turns – quarter, half and three-quarter turns

WHAT THIS LESSON TEACHES

A turn is a movement around a fixed point without shifting away from that spot. A quarter turn is one square corner, a half turn is two, and a three-quarter turn is three.

- A minute hand moving from 12 to 3 is a quarter turn.
- Turning to face the back of the room is a half turn.

MODEL THIS ON THE BOARD

ARROW TURNS IN A GAME

- 1 Start with the game arrow pointing **up**.
- 2 Turn it one quarter clockwise so it points **right**.
- 3 Turn another quarter to make a half turn; now it points **down**.
- 4 One more quarter makes a three-quarter turn; it points **left**.

DISCUSSION STARTER

REFLECT Which turn feels easiest to picture — a quarter, a half or a three-quarter turn? Why?

ANSWER KEY

Scaffold: visual check on the page

Q1: 2

Q2: quarter turn

Q3: 4

Q4: three-quarter turn

a) Always — A half turn is exactly two square-corner turns.

b) Never — Only a half turn faces the opposite way; three-quarter is further on.

c) Always — Four quarters equal one full turn to the starting face.

d) Always — Both leave the shape facing the same new direction.