

Understand angles as turns

1 Match the pictures to the labels.

half turn	quarter turn	full turn	three-quarter turn

2 Use the words **clockwise** or **anticlockwise** to describe the turns.

a) quarter turn _____

b) three-quarter turn _____

c) quarter turn _____

3 Describe the turns.

a) _____

b) _____

c) _____

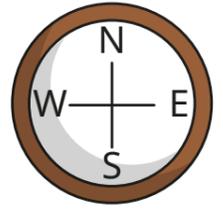
4 Draw what the arrow will look like after each turn.

a) three-quarter turn anticlockwise

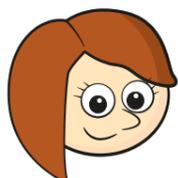
b) three-quarter turn clockwise

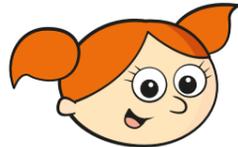


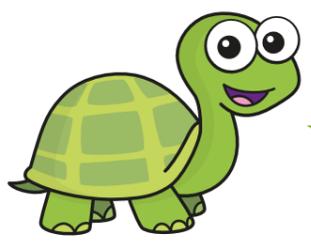
5 What direction will each child be facing after their turn?



a)  I am facing north.
I make a three-quarter turn anticlockwise.

b)  I am facing south.
I make a quarter turn clockwise.

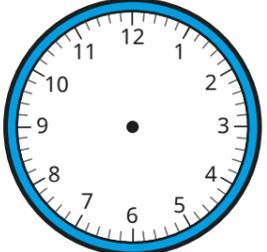
c)  I am facing west.
I make a half turn.

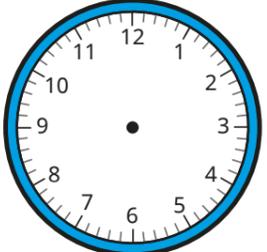
6  A three-quarter turn clockwise is the same as a half turn then a quarter turn clockwise.

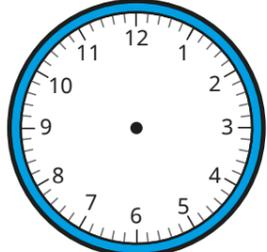
Write another set of turns that is equal to a three-quarter turn clockwise.

Compare answers with a partner.

7 Draw the missing minute hands on the clocks.

a)  start  quarter of an hour later

b)  start  three-quarters of an hour later

c)  start  half an hour later

8  I make a full turn clockwise and then another half turn clockwise.

How many quarter turns clockwise has Ron made?

Describe Ron's turns another way.

How many ways can you find?

