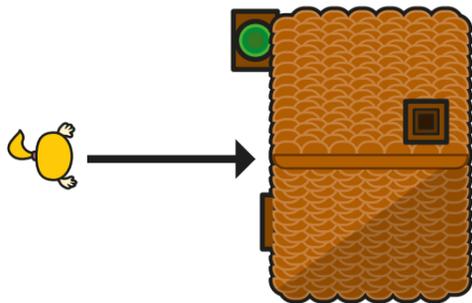# Measuring angles in degrees
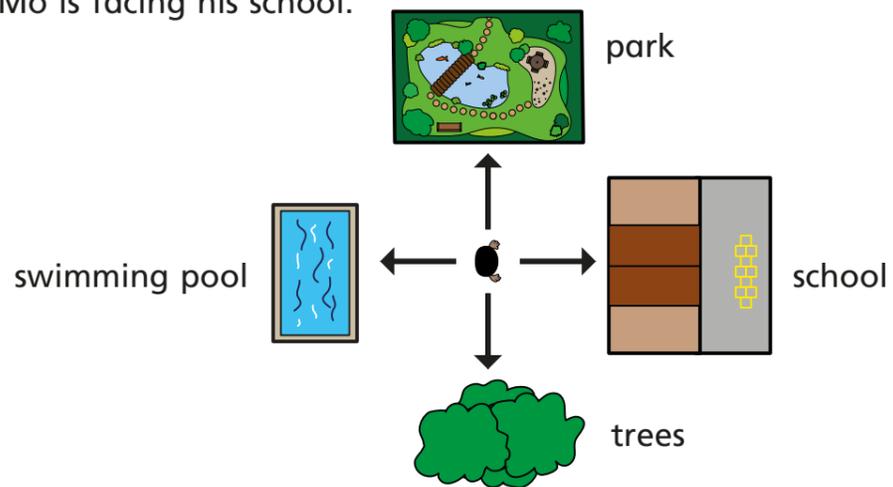
1 Eva is facing her house.

She makes a full turn.

a) What is Eva facing now? _____

b) How many degrees has Eva turned through?
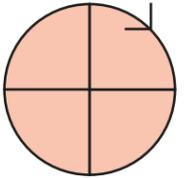
☐ degrees

2 Mo is facing his school.

park

swimming pool   school
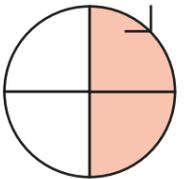
trees

Mo makes a half turn.

a) What is Mo facing now? _____

b) How many degrees did Mo turn through? ☐ degrees

3 Complete the sentences.
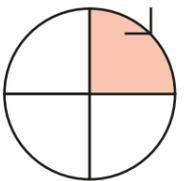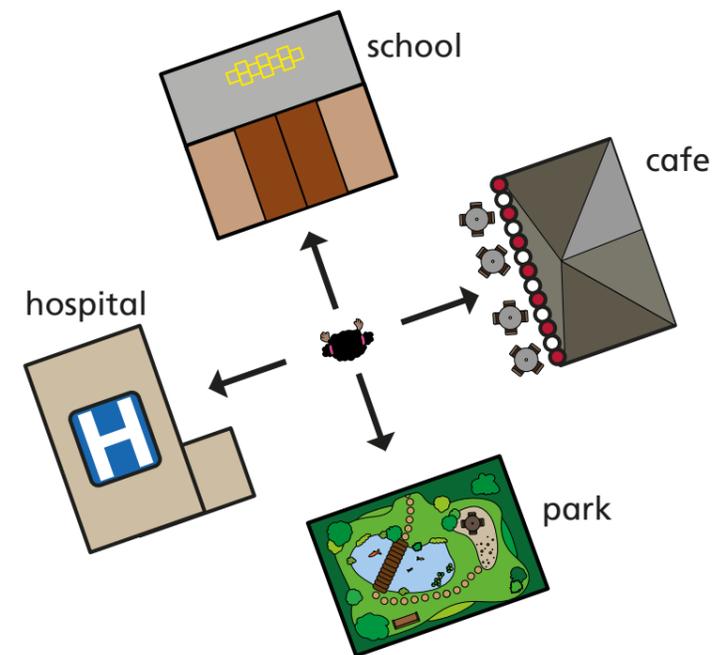
a) There are ☐ degrees in a full turn.

b) There are ☐ degrees in half a full turn.

c) There are ☐ degrees in quarter of a full turn.

4 Whitney is facing the school.
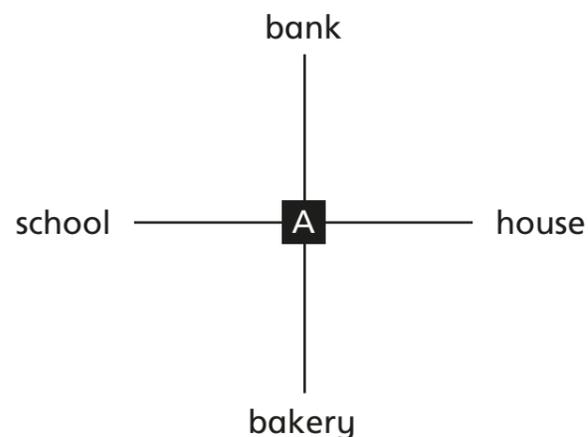
school

cafe

hospital

park

Whitney turns half a turn.

What is she now facing? _____

Does it matter which way she turns?

5 Amir, Annie, Jack and Filip are standing at point A.

bank

school —— A —— house

bakery

a) Amir is facing the bank. He turns 90 degrees clockwise.
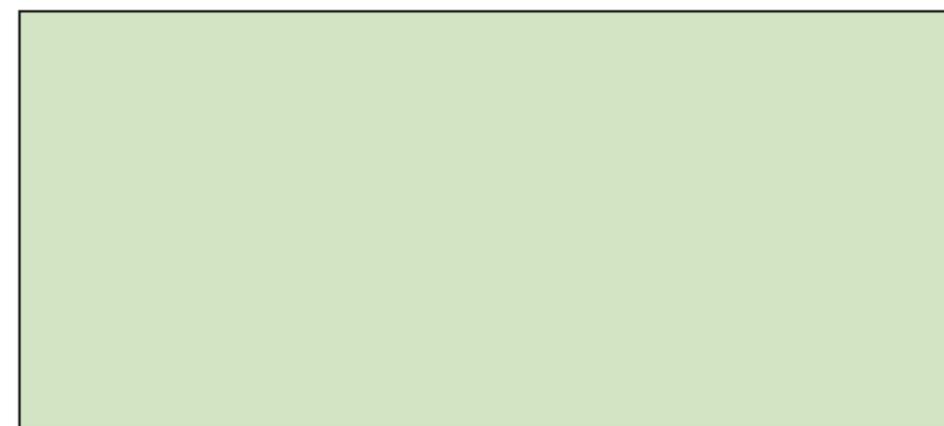
What is Amir facing now? _____

b) Amir faces the bank again.

This time he turns 90° anticlockwise.

What is he now facing? _____

c) Jack is facing the house.

He makes a 90° turn.

What could he now be facing?

_____ or _____

d) Filip is facing the school.

He turns to face the house.

How many degrees did he turn through? [ ]°

e) Annie is facing the bakery.

She turns to face the school.

Describe two different turns she could have made.

6 Ron is standing in the park.

He is facing forward and looking at a slide.

He makes a 180 degree turn and is now facing a bench.

He now makes a 90 degree turn and is facing a tree.
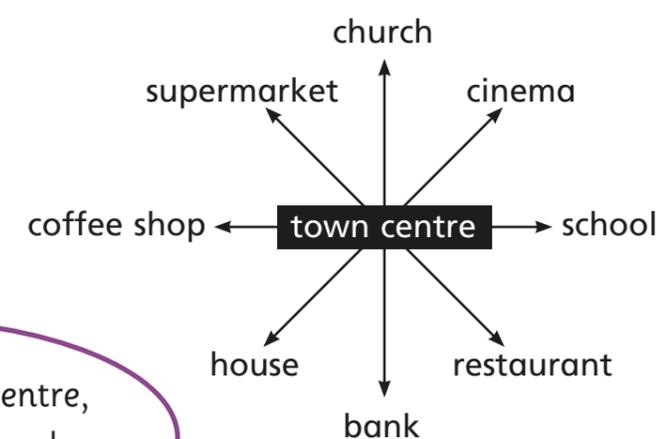
Draw a possible diagram of the park.

Compare your diagram with a partner's diagram.

What is the same and what is different about your diagrams?

7 The diagram shows the direction of some places in relation to the centre of a town.

church

supermarket   cinema

coffee shop ←—— town centre ——→ school

house   restaurant

bank

I am in the town centre, facing the cinema. I make a 90° turn clockwise.

What is Tommy facing now? _____

Create your own problem like this for a partner.