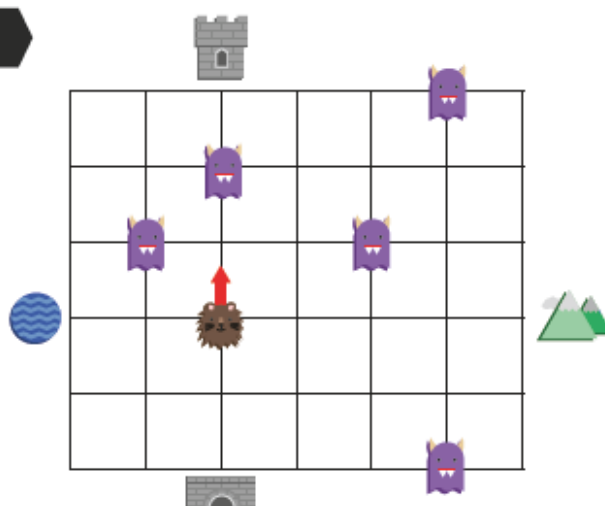


## In Focus

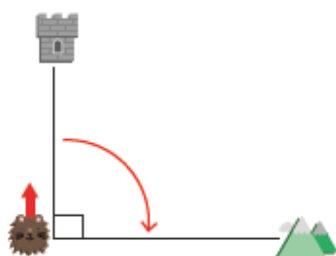



In a game, you need to move  from place to place while avoiding .



How does  turn to face ,  and  ?

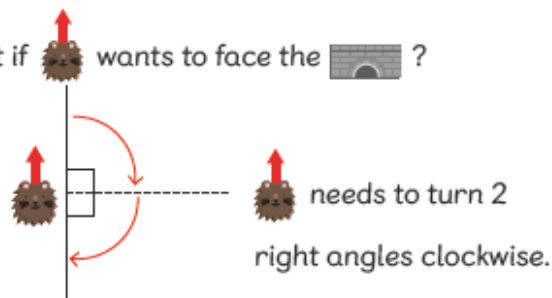
## Let's Learn

- 1 What must  do to face the  ?



 needs to turn 1 right angle clockwise.

- 2 What if  wants to face the  ?

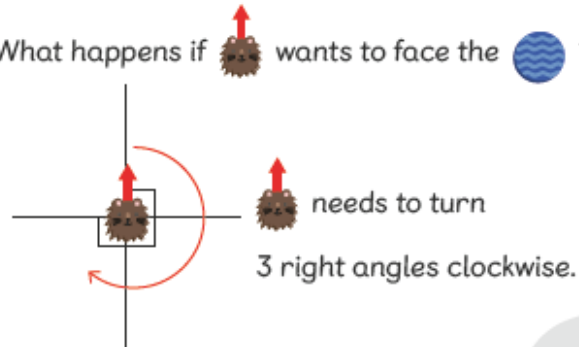


This is a half turn.

Is there another way?



- 3 What happens if  wants to face the  ?

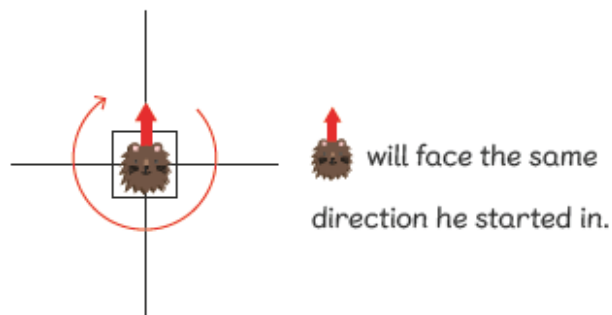


This is three-quarters of a turn.

Can  turn 1 right angle?



- 4 What happens if  turns 4 right angles?



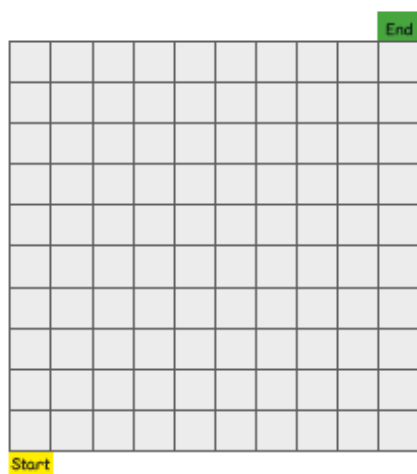
This is a full turn.

4 right angles  
= 1 full turn

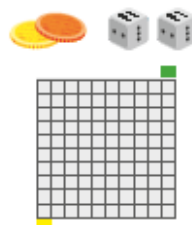


## Activity Time

Play in groups of 4.



What you need:

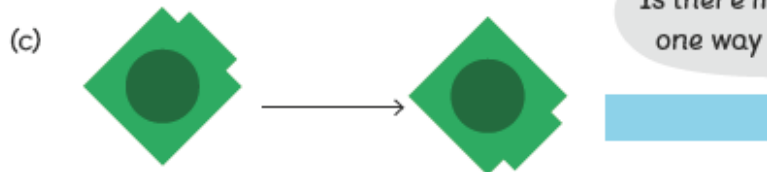


- ① Place all tokens in the same direction at **Start**.
- ② Roll a . The number is the number of right angles your token turns.
- ③ Roll another . The number is the number of steps your token moves.
- ④ Take turns to roll the dice.
- ⑤ Whenever your token is at the edge of the board, you can continue to move in any direction.
- ⑥ The winner is the one who reaches **End** first.

## Guided Practice

Describe each turn.

How many right angle turns are there and in what direction?



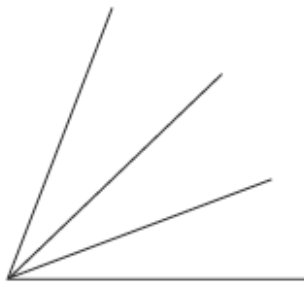
Is there more than one way to do it?



Complete Worksheet 7 • Page 155 – 157

## Mind Workout

How many acute angles can you find in the figure?



There are more than 3 acute angles!





**I know how to...**

- ☐ recognise an angle.
- ☐ find angles in shapes.
- ☐ find a right angle, an acute angle and an obtuse angle.
- ☐ compare the sizes of angles.
- ☐ make a half turn, a three-quarters turn and a full turn.

**Self Check**

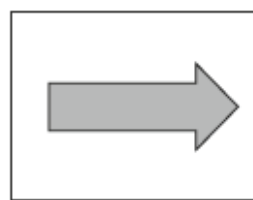
Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

## Worksheet 7

### Making Turns

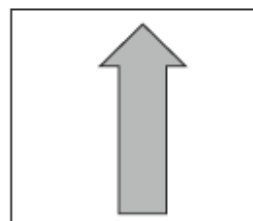
- 1 Fill in the blanks to state how each arrow turns to face the direction as shown in the box.

(a)



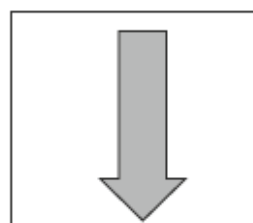
right angle turns anticlockwise.

(b)



right angle turns clockwise.

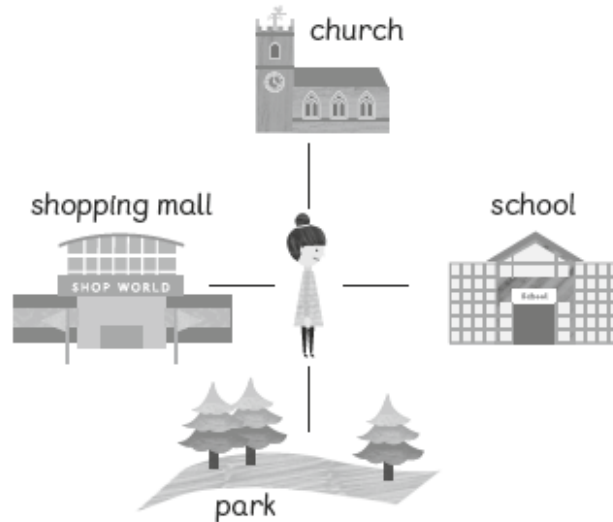
(c)



1 right angle turn .

2 Fill in the blanks.

Emma is facing the school now.



- (a) If Emma takes half a turn anticlockwise, she will be facing the

- (b) If Emma takes a three-quarter turn clockwise, she will be

facing the .

- (c) What are the two different ways Emma can turn to face the park?

- To take  right angle turn(s) anticlockwise.
- To take  right angle turn(s) clockwise.

- (d) If Emma takes 1 right angle turn anticlockwise and then takes

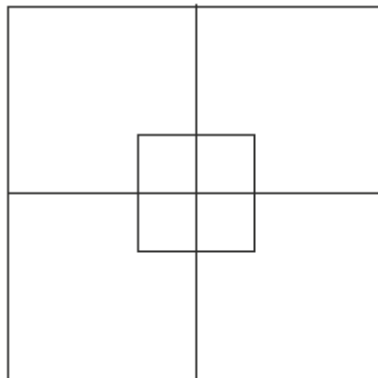
half a turn clockwise, she will be facing the .

- (e) If Emma takes 2 right angle turns clockwise and then takes 3 right angle turns anticlockwise, she will be facing the .
- (f) Before Emma faces the school, she took a right angle turn anticlockwise. She was facing the  at first.

### Mind Workout

Date: \_\_\_\_\_

The figure below is made up of 5 squares, with one of them overlapping with the rest.



- (a) How many right angles are in the figure above?
- (b) Add one line on the figure to make 12 acute angles.





## Guided Practice

Describe each turn.

How many right angle turns are there and in what direction?



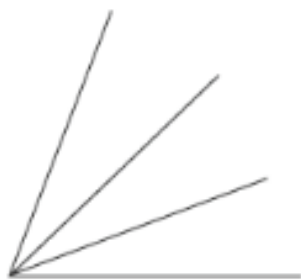
Is there more than one way to do it?



Complete Worksheet 7 • Page 155 – 157

## Mind Workout

How many acute angles can you find in the figure?



There are more than 3 acute angles!

There are 6 acute angles.



Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_



## Worksheet 7

### Making Turns

- 1 Fill in the blanks to state how each arrow turns to face the direction as shown in the box.

(a)



3

right angle turns anticlockwise.

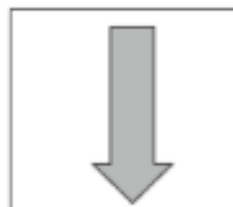
(b)



2

right angle turns clockwise.

(c)



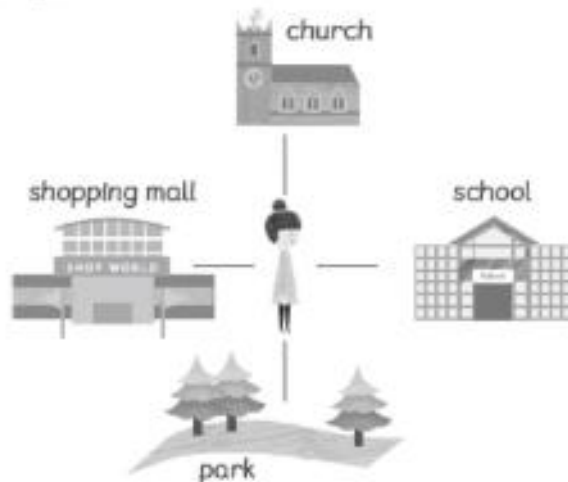
1 right angle turn **anti - clockwise** .





2 Fill in the blanks.

Emma is facing the school now.



- (a) If Emma takes half a turn anticlockwise, she will be facing the

shopping mall

- (b) If Emma takes a three-quarter turn clockwise, she will be facing the

church

- (c) What are the two different ways Emma can turn to face the park?

- To take 3 right angle turn(s) anticlockwise.
- To take 1 right angle turn(s) clockwise.

- (d) If Emma takes 1 right angle turn anticlockwise and then takes half a turn clockwise, she will be facing the

park

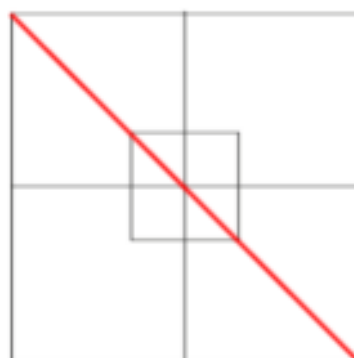


- (e) If Emma takes 2 right angle turns clockwise and then takes 3 right angle turns anticlockwise, she will be facing the .
- (f) Before Emma faces the school, she took a right angle turn anticlockwise. She was facing the  at first.

### Mind Workout

Date: \_\_\_\_\_

The figure below is made up of 5 squares, with one of them overlapping with the rest.



- (a) How many right angles are in the figure above?  
**36**
- (b) Add one line on the figure to make 12 acute angles.