



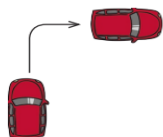
Lesson 17

LO: To describe and create patterns which involve direction and turns

Success Criteria:

1. Choose one or two shapes to draw (you could also use stampers or make printing blocks/potato prints)
2. Make one repeated pattern where a shape does a **quarter turn** each time.
3. Make one repeated pattern where a shapes does a **half turn** each time.
4. **Challenge:** Make one repeated pattern where a shape does a **three-quarter turn** each time.

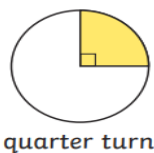
You can turn a quarter,



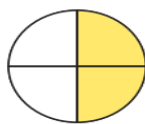
A half turn



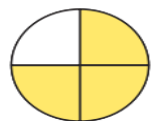
or complete turn - this would take you back to where you started.



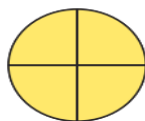
quarter turn



half turn



three-quarter turn



full turn

Model: What would the next two shapes in the pattern look like? Describe the turns.



This pattern **repeats**. Each time, the blue rectangle turns a **quarter turn** from  to .

The next two shapes would look like this:



Now you try: Draw the next two shapes in these patterns and describe the turns.



a)



b)

Canonbury Home Learning
Year 3 Maths

Lesson 17

LO: To recognise right angles in shapes

Success Criteria:

1. Look around the room for objects which show a right angle.
2. Put the corner of your exercise book into the angle.
3. Does the corner fit exactly (no space around it, not covering a line?) If so, it's a right angle!

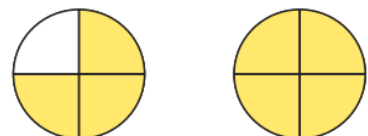
Angles are the measurements of a turn.

The angle in a quarter turn is called a right angle.



quarter turn

half turn



three-quarter turn

full turn

A **half turn** is made up of **2 right angles**.

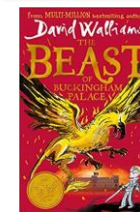
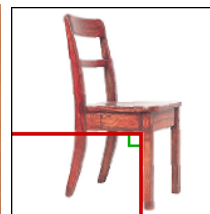
Three-quarter turns are made of **3 right angles**.

A **full turn** is made of **4 right angles**.

These are all examples of right angles:



You can see right angles everywhere you look! Look out for L shapes and square corners to help you.



Hint: use the corner of your book/paper to test if something is a right angle



If the corner fits exactly into the angle of another object, it is a right angle.



Canonbury Home Learning
Year 3 Maths - Main activity

Complete all the columns today!

Task 1

Practice

Look around the room for objects which show a right angle.

Take a picture, draw or list where you found right angles.

Try and find at least 10 different examples.

Check they are right angles by using the corner of your exercise book – does the corner fit exactly?

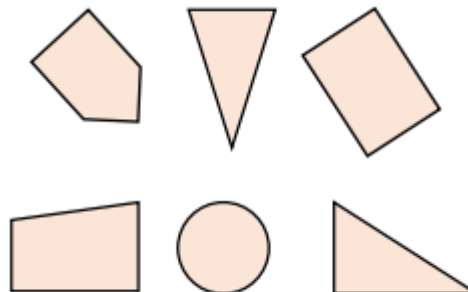


Task 2

Reasoning

- a)
Sort the shapes based on the number of right angles they have.

Record your answer in a table.



- b)
True or False?
This shape has two right-angles.



Explain your answer.

Task 3

Problem solving

How many right angles can you see in this image?



Can you create your own image with the same number of right angles?