

# HOME LEARNING

## Year 7 – Maths – Home Learning 11

Focus for this week: Naming angles

Essential learning:	<ul style="list-style-type: none"><li>Identify right angles in shapes</li></ul>
Practising:	<ul style="list-style-type: none"><li>Identify acute and obtuse angles in shapes</li></ul>
Learning about:	<ul style="list-style-type: none"><li>Identify acute, obtuse and reflex angles</li></ul>
Extension:	<ul style="list-style-type: none"><li>Investigates the number of degrees in a triangle</li></ul>

### Contents:

- Worksheet 1** Right angles
- Worksheet 2** Less than or more than a right angle
- Worksheet 3** Acute and obtuse angles
- Worksheet 4** Acute, obtuse and reflex angles
- Worksheet 5** Investigates the number of degrees in a triangle

### Tasks:

- Look at the learning objectives, reflect on what you are already confident with, what you would like to practise and what you would like to learn this week
- Choose 2-3 worksheets to complete this week and email them to Mrs. Coleman on the email below.
- Login to MyMaths and complete MyMaths tasks
- Spend 10 minutes a day on Times Table Rock Stars; Numbots OR Sumdog
- Please email a photo of any worksheets or poster you complete to the email address below.  
*This will earn you a golden token.*

### Additional activities:

- Draw a large triangle on a piece of paper. Cut it out.
- Now tear off each corner.
- Now put the pieces together to form a straight line.
- Use My Maths to find out how many degrees there are in a straight line and how many degrees there are in a triangle. What do you notice.

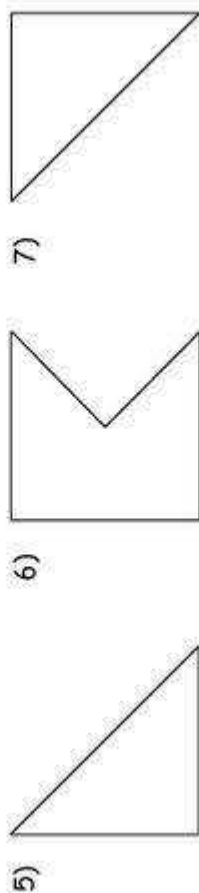
If you have queries about this work, please contact me at [coleman@bower-grove.kent.sch.uk](mailto:coleman@bower-grove.kent.sch.uk)

Right Angles

Tick  all the right angles.



Put a circle around all the right angles in these shapes.

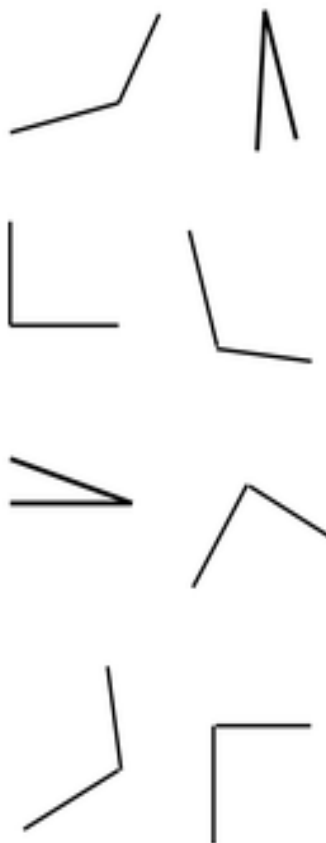


Right Angles

- A right angle is a special angle that is 90 degrees.
- It is shaped like an 'L'.
- We label a right-angle with a small square.



- Which of these angles are right angles?
  - Label the correct angles with a right-angle sign
  - **Tip:** Use a corner of tracing paper to help



Now you know that a right angle is 90 degrees.

Tear off the corner of a sheet of paper. This is a right angle.

Use this to match right angles around your home.

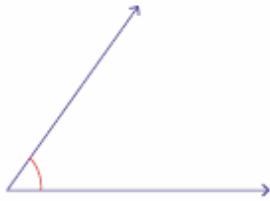
You will be surprised how many you can find.

Record your findings.

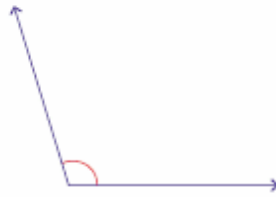
Less than a right angle	Exactly a right angle	More than a right angle

Email completed worksheets to me at [jcoleman@bower-grove.kent.sch.uk](mailto:jcoleman@bower-grove.kent.sch.uk) . Each good attempt earns a golden token.

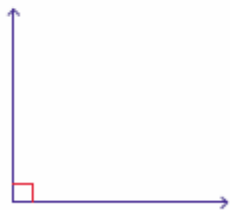
## Types of Angles



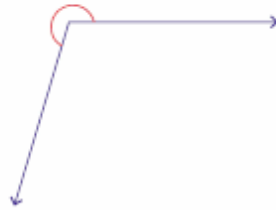
**Acute angle**  
Less than  $90^\circ$



**Obtuse angle**  
More than  $90^\circ$  but  
less than  $180^\circ$



**Right angle**  
Exactly  $90^\circ$



**Reflex angle**  
More than  $180^\circ$  but  
less than  $360^\circ$



**Straight angle**  
Exactly  $180^\circ$

Printable Math Worksheets @ [www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)

### Investigation

Using this sheet to help you, look around your home and see if you can find each of these angles.

Record your findings by naming the object and the angle.

Email completed worksheets to me at [jcoleman@bower-grove.kent.sch.uk](mailto:jcoleman@bower-grove.kent.sch.uk) . Each good attempt earns a golden token.

Print

### 2D Space

Name: \_\_\_\_\_

Classifying angles.

Name these types of angles:

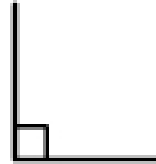
*reflex, obtuse, acute, straight, right, revolution*



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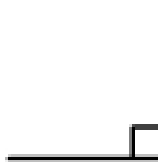
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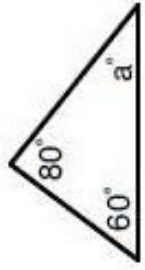
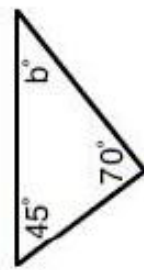
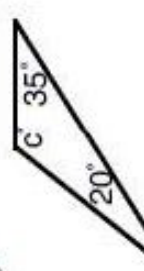
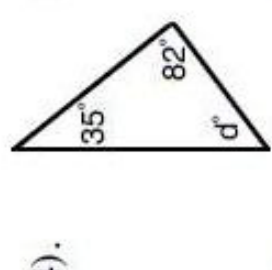
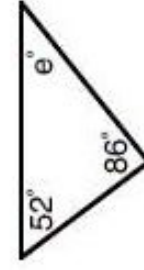
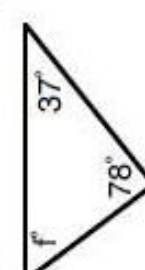
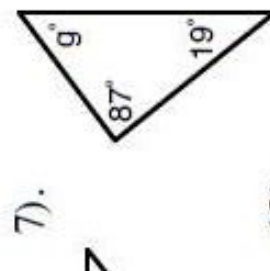
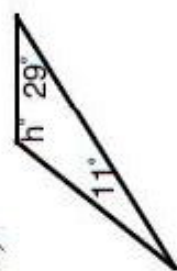
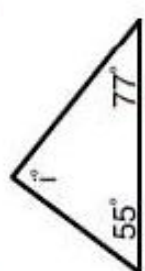
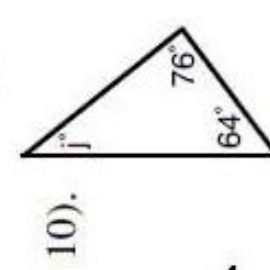
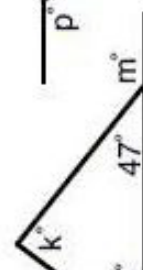
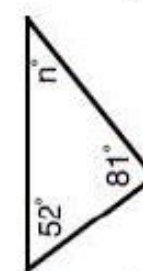
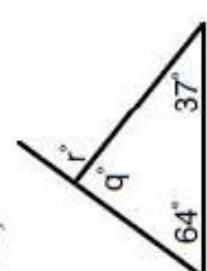
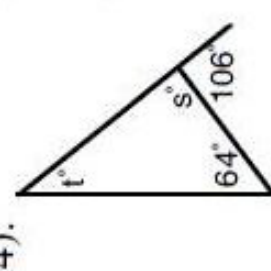
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Worksheet 5 Investigates the number of degrees in a triangle

There are 180 degrees in a triangle. See if you can calculate the missing angles in these triangles

1).  2).  3).  4).  5).  6).  7).  8).  9).  10).  11).  12).  13).  14).  15). 