# Week 8, Day 3 <br> Angles in triangles 

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. Start by reading through the Learning Reminders. They come from our PowerPoint slides.

2. Tackle the questions on the Practice Sheet. There might be a choice of either Mild (easier) or Hot (harder)!
Check the answers.

3. Finding it tricky? That's OK... have a go with a grown-up at A Bit Stuck?

4. Think you've cracked it? Whizzed through the Practice Sheets? Have a go at the Investigation...

## Learning Reminders

## Recognise acute and obtuse angles.

 are called acute ('sharp').


## Learning Reminders

Compare and classify triangles, based on properties including types of angles.


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## Practice Sheet Mild <br> Triangles and angles

Colour acute angles red. Colour obtuse angles blue. Mark right angles with a square. Write the name of each type of triangle.
1.

2.

$\qquad$
5.

$\qquad$
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## Practice Sheet Hot <br> Triangles and angles

Colour acute angles red. Colour obtuse angles blue. Mark right angles with a square. Write the name of each type of triangle.
1.

2.

3.

4.

5.

6.

$\qquad$
7.

$\qquad$
8.

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## Practice Sheet Answers

## Triangles and angles (Mild)


2.

equilateral triangle

## Triangles and angles (Hot)

## 1



Scalene triangle


Equilateral triangle
2.


Scalene triangle


Isoceles triangle


Right-angled triangle


Scalene triangle
8.


Scalene triangle

## A Bit Stuck? Ask the angle!

## Work in pairs

Things you will need:

- A right angle measure (the 'square' corner of a piece of paper will work) - A pencil


## What to do:

- Use your right angle measure to test if each angle is acute, obtuse or a right angle. Ring the correct description for each angle.

acute/right angle/obtuse
acute/right angle/obtuse

acute/right angle/obtuse


acute/right angle/obtuse

acute/right angle/obtuse

acute/right angle/obtuse

S-t-r-e-t-c-h:
Investigate by drawing, how many acute angles it is possible to have in a triangle. How many right angles do you think can be in a triangle?
How many obtuse angles do you think can be in a triangle?

## Learning outcomes:

- I can identify acute, right and obtuse angles.
- I am beginning to draw acute, right and obtuse angles.
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