Week 8, Day 3 **Angles in triangles**

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

- Start by reading through the Learning Reminders. 1. They come from our *PowerPoint* slides. 2 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 Sketch a line from 2.3 to 2.4.
- Tackle the questions on the Practice Sheet. 2. There might be a choice of either Mild (easier) or Hot (harder)! Check the answers.

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

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























m² % ۷ ? 1 X 1/2 ÷ 1/3 × 4 5% ? × ÷ Cm³ £ > cm % + •--ャ Investigation 11 E **Triangle angles** × Λ Investigate, by sketching, how many acute angles and how many obtuse angles each type of triangle can have. 5 L •|• Try to draw at least two triangles of each type. (This may not be possible!) • |• ~ Record your findings in a table like the one below 5 cm³ This triangle is recorded for you. V × 3 1 × .۱۰ % × ~ **~**• **Right-angled** % **Equilateral triangles** Isosceles triangles Scalene triangles E triangles I 2 acute angles S 1 obtuse angle % -V ャ % •\• * E Cm Λ 5 ·ŀ Y 5 • |• Challenge <u></u>²⁴ 111111 V Draw a right-angled triangle that is also an isosceles triangle. ŝ 3 What size are the two angles that are not a right angle? × ャ 11 % <u>c.</u> © Hamilton Trust. Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton N m² % 5⁄6 ? 1 ÷ ۷ cm ÷ Z ? X Cm³ 1/2 ٤ > ャ