

Stick challenges

Instruct groups or pairs to collect a number of sticks of different lengths, e.g. 20 sticks.

How many right angles can you make?

Can they arrange the sticks to make as many right angles as possible? Put a leaf on each right angle.



Spot the angles

Can they make as many letters/numbers/words using the sticks? Find the angles and put a:

- pebble on each right angle
- green leaf on each obtuse angle
- brown leaf on each acute angle

Shape challenge

Can they make a picture that contains as many different shapes as possible?



Triangle challenge

Can they make as many triangles as possible using the sticks?

Making shapes

Resources: straight sticks, small balls of clay

Can children make a range of 2D and 3D shape models using clay and sticks? Describe the properties of the shapes to include:

- Measuring lengths of lines
- Identifying acute/obtuse/right angles
- Measuring angles in degrees using a protractor (or use the protractor angle app on an ipad)
- Identifying parallel lines



Fraction wall

Using 5 sticks, can the groups snap the stick in half, then a different stick in thirds, quarters and fifths.

