Year 4/5 Maths

Summer Week 7 Lesson 4 – 16.07.20

For the final two weeks of the summer term we will be setting you problem solving activities that require you to use a range of your maths skills.

Because the activities may be quite varied, there will be no models on these sheets. However, there will be further explanations on the daily videos. As in previous weeks, the activities will get progressively more challenging.
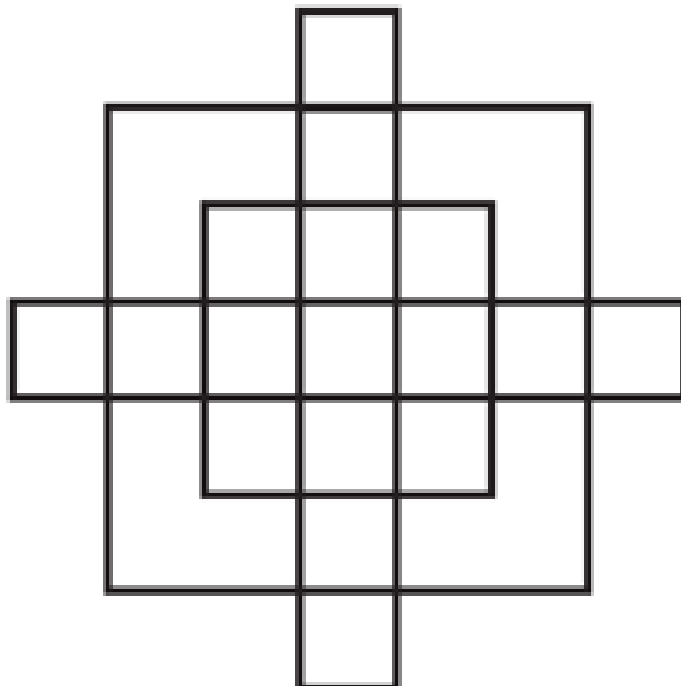
At the end of each of these activities is a link to where you can read example answers submitted by other children.

Today the focus is ANGLES

STARTER

All square

How many squares can you count in this diagram?

Now choose 3 activities to try!

ACTIVITY 1 <mark>STEPPINGSTONE ACTIVITY</mark>

Identifying and recognising angles

Acute angles are less than/more than 90°.
Obtuse angles are less than/more than 90°, but less than/more than 180°.
Choose 3 colours, fill in the key, then colour the angles as appropriate.
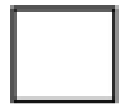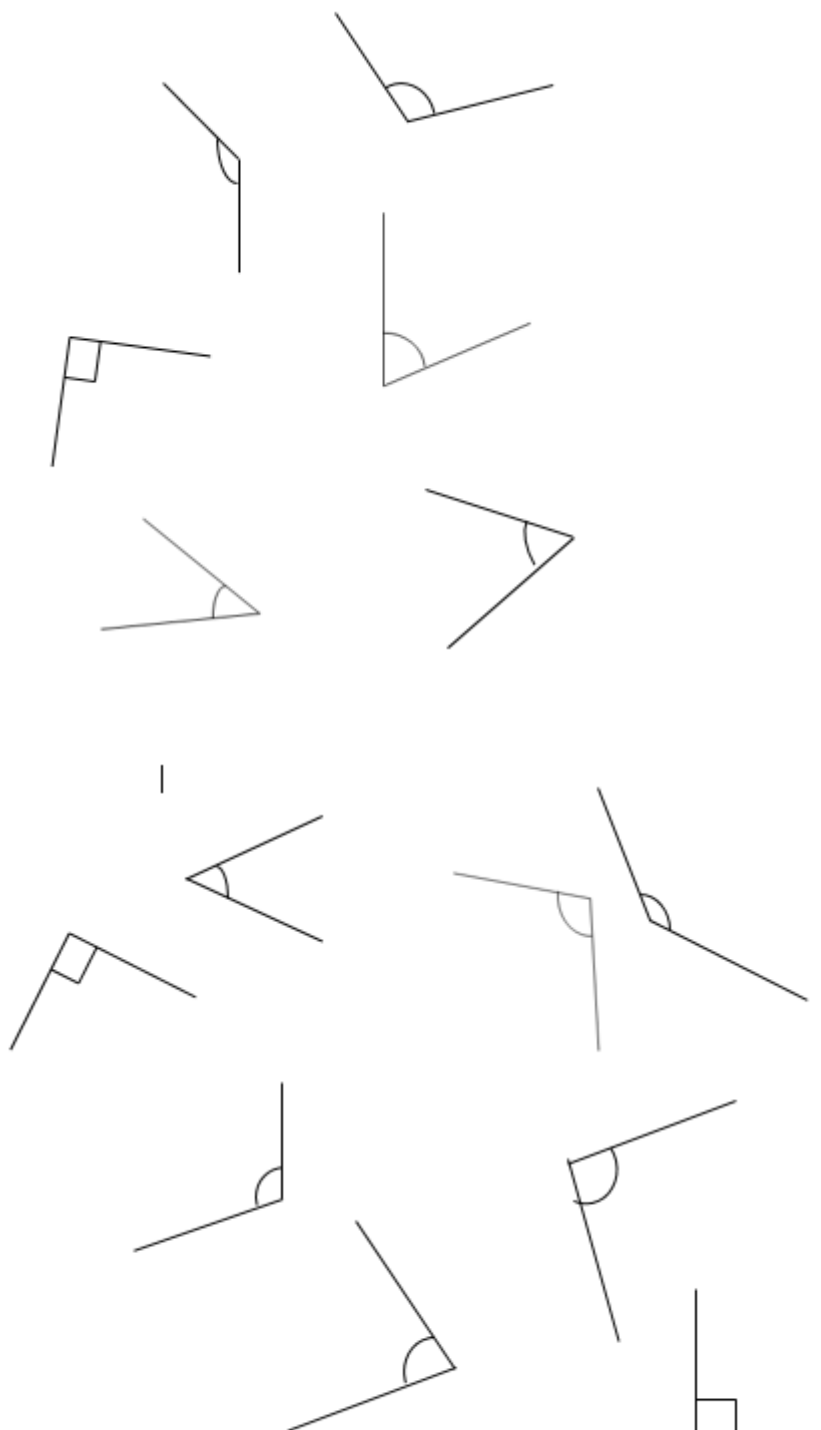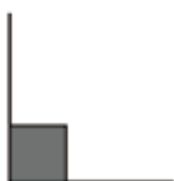Use a protractor to measure the angles.

Key
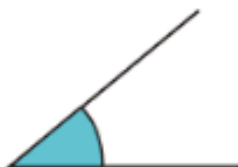
☐ Acute

☐ Obtuse

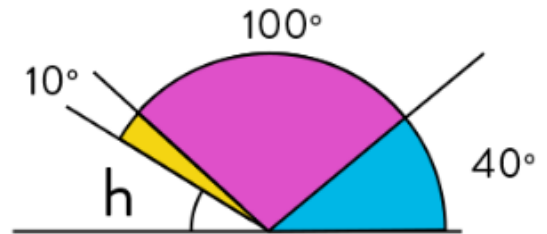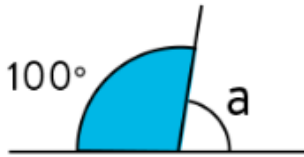☐ Right angle

ACTIVITY 2 <mark>MILD/SPICY</mark>

Answer the question by matching the statement with the image

An angle the same as (equivalent to) 90 degrees	A shape that only has acute angles	A shape with 8 obtuse angles
A quadrilateral with one acute angle	An angle less than 90 degrees	A quadrilateral with two acute and two obtuse angles
An obtuse angle	A quadrilateral shape with two right angles	An angle of 180 degrees

ACTIVITY 3 <mark>SPICY</mark>

Olympic Turns

Here are some photos of some Olympic sports that involve turns and angles in different ways. Explore your favourite photo and see what angles you can see.

Can you estimate them?

Can you measure them for angles and turns?

How do the athletes or players use angles to succeed in their sport?

ACTIVITY 4 <mark>SPICY</mark>

All angles on a straight line total 180 degrees. Can you use this fact to solve the following missing angles?

100°   a

60°   b

70°   c

125°   d

135°   e

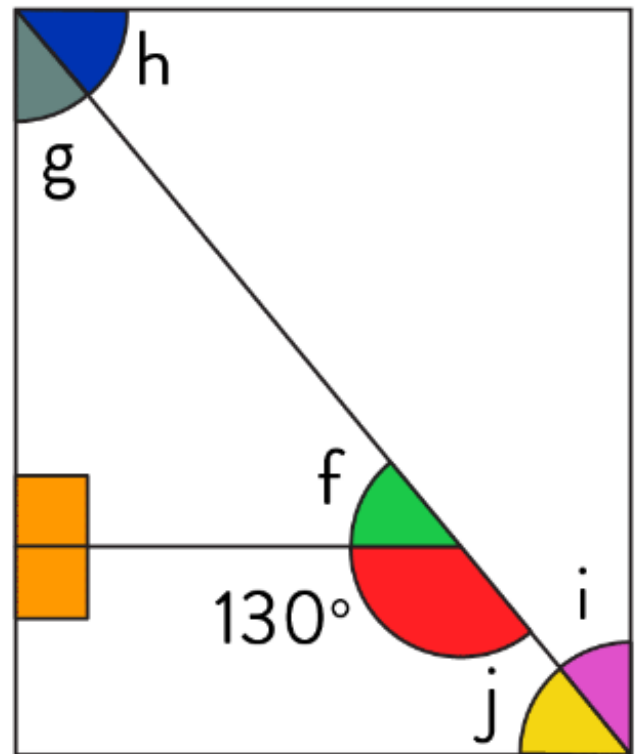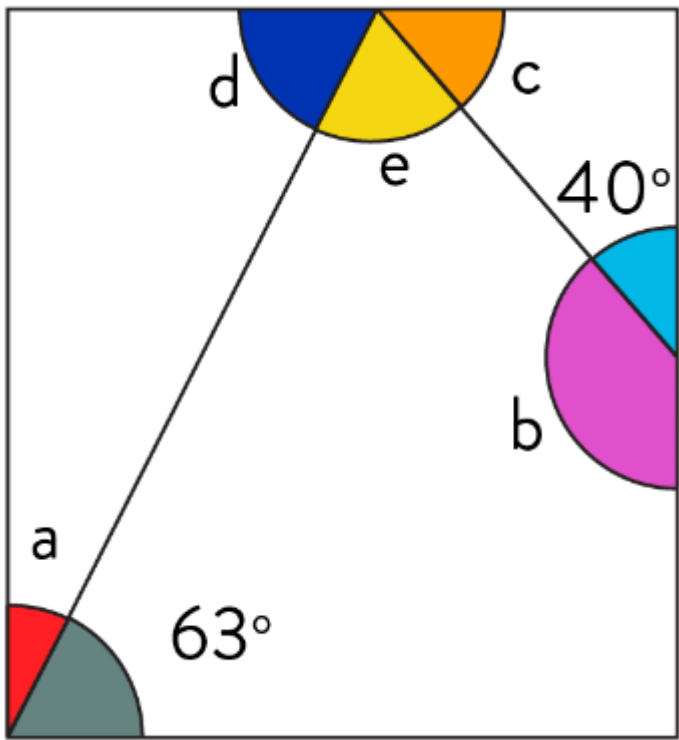25°   f   30°

45°   g
30°   10°

10°   100°
h   40°

Explore some more: create your own straight line missing angle problems

for a partner to solve!

EXTENSION

Explore some more Create your own similar rectangle

angle problems for a partner to solve!

ACTIVITY 5 HOT

EXTENSION

Explore some more Create your own similar rectangle

angle problems for a partner to solve!