# Week 13, Day 4
Right angles

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.
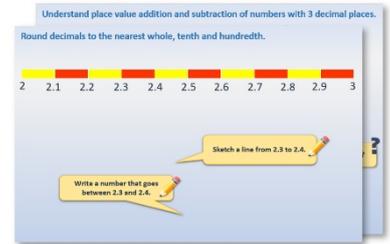
2. Tackle the questions on the **Practice Sheet**.
    There might be a choice of either Mild (easier) or
   Hot (harder)!
    Check the answers.
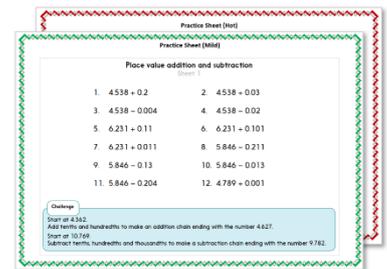
3. Finding it tricky? That's OK… have a go with a
   grown-up at **A Bit Stuck?**
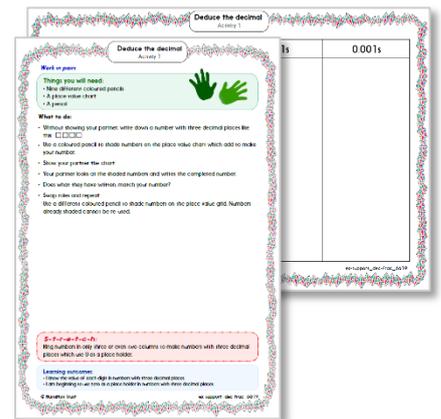
4. Have I mastered the topic? A few questions to
    Check your understanding.
    Fold the page to hide the answers!
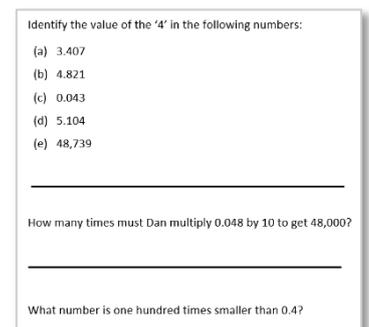
Learning Reminders

Identify right angles.

Which one of these two shapes is a square?

One, both or neither?

All the sides in each shape are the same length…

Each angle in a square must be a right angle.

Identify right angles.

We can use a set square to check which is the square.
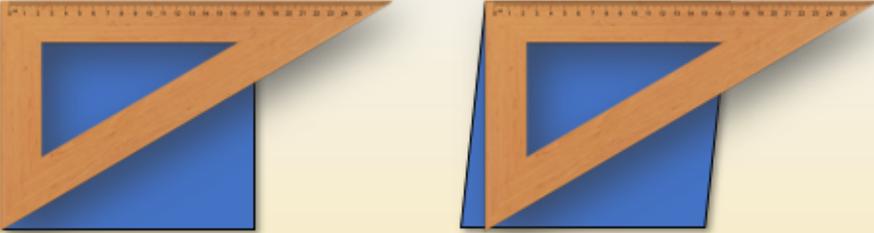
This is the square.

This is a rhombus.

Learning Reminders

Identify whether angles are greater than or less than a right angle.
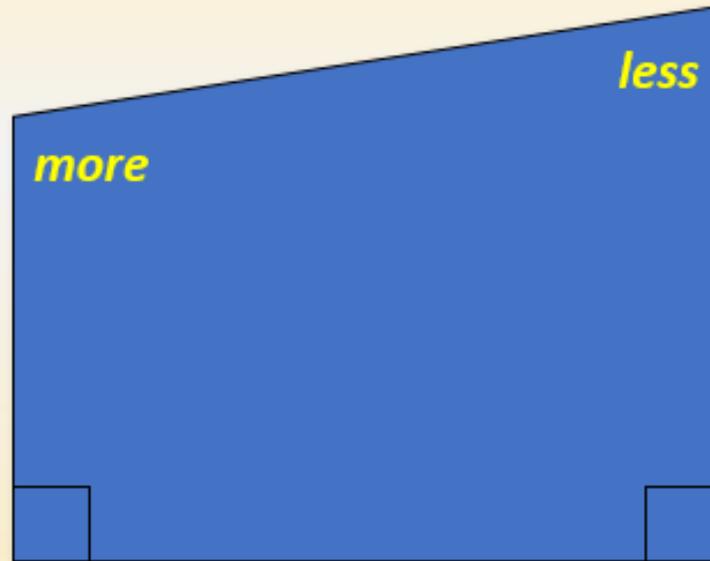
We can draw a small square to show a right angle.

Which angle is less than a right angle?

Which angle is more than a right angle?

Naming angles

Label angles less than a right angle with L for 'less'.

Label angles more than a right angle with M for 'more'.

Practice Sheet Hot
## Angles

Draw a little square in angles that are right angles.
Label angles less than a right angle with L.
Label angles more than a right angle with M.
Use the 'square' corner of a piece of paper to help you. .
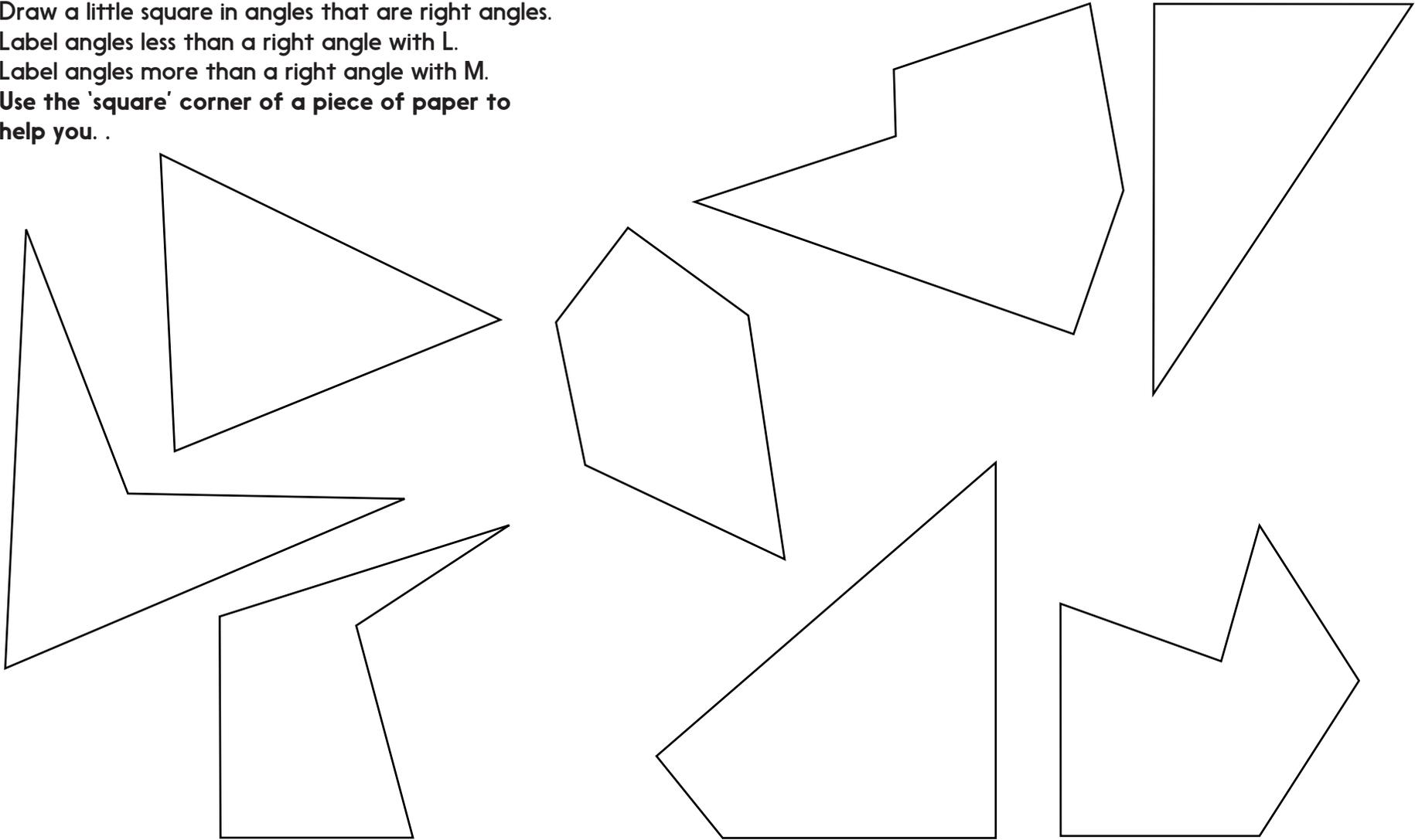
# Practice Sheet Answers

Practice Sheet (Mild)

L

M

Exact

L

M

L

M

Exact

L

L
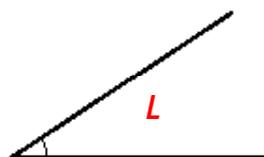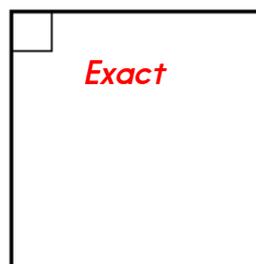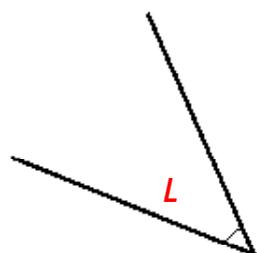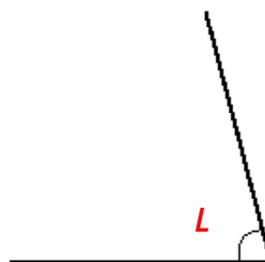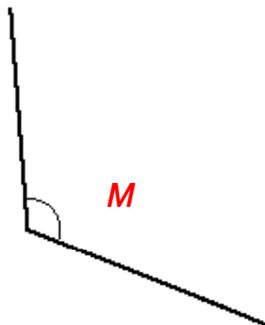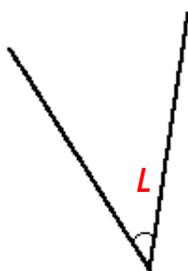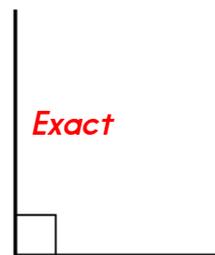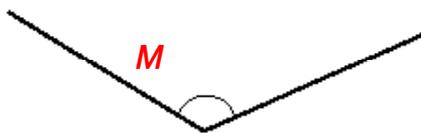
Challenge

Accept children's drawings of acute, right and obtuse angled triangles in different orientations as in the above diagrams.

Practice Sheet Answers

Practice Sheet (Hot)

vertical ✓
parallel ✗
horizontal ✓

perpendicular ✓
vertical ✗
horizontal ✓

parallel ✗
vertical ✗

parallel ✓
vertical ✗
perpendicular ✓
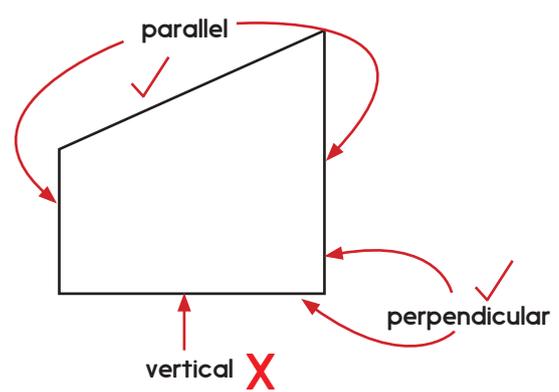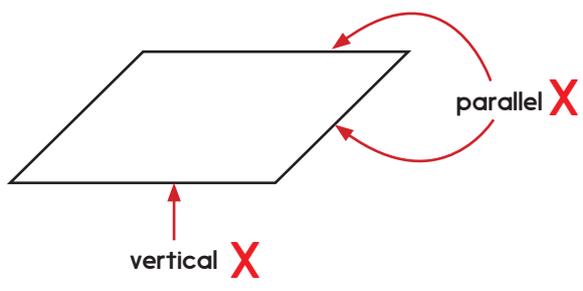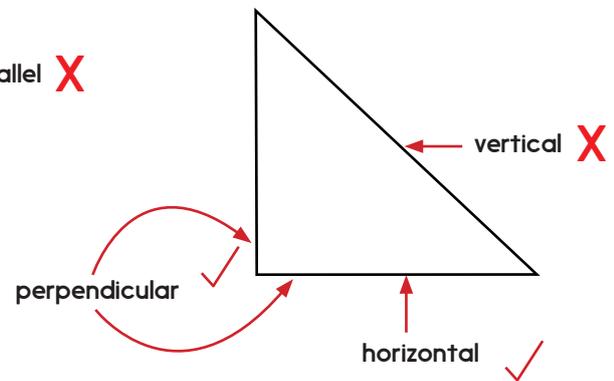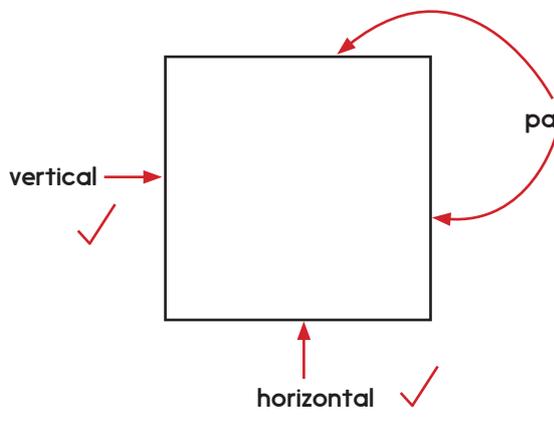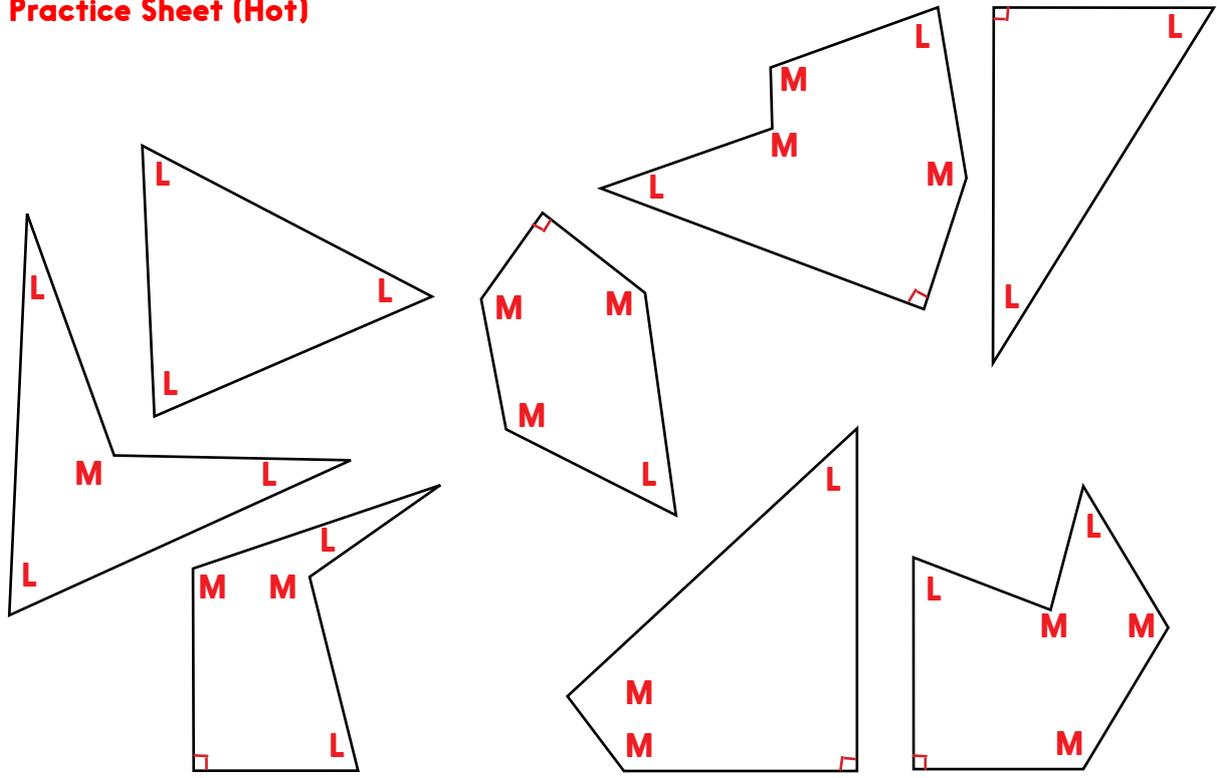
Things you will need:
• A piece of paper
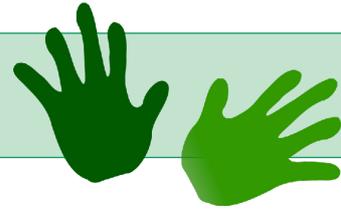
What to do:

• Use a square (or the 'square' corner of a piece of paper) to find a **right angle**, an angle **less than a right angle** and an angle greater than a right angle in the room.

• If possible, go outside to find other examples of right angles, as well as angles that are more or less.

• Record by taking photos. You could ask an adult to help you to copy your pictures into one document and label the angles you have found.
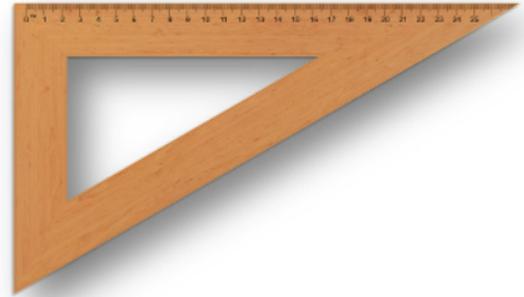
lots of right angles

right angle

lots of right angles

right angle

less than a right angle

more than a right angle

Check your understanding:
Questions

Draw a shape with two right angles that is not a square.
Identify any angle in this shape that is more than a right angle.

Draw a triangle with one angle less than a right angle and one angle more than a right angle.
Is the third angle more or less than a right angle?

Fold here to hide answers:

Check your understanding:
Answers

Draw a shape with two right angles that is not a square.
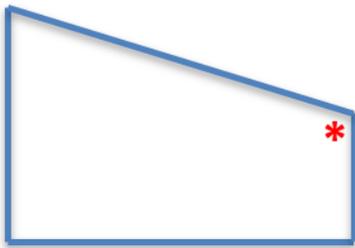
Identify any angle in this shape that is more than a right angle.
This is just one possibility.
In this example, the angle marked * is more than a right angle.

Draw a triangle with one angle less than a right angle and one angle more than a right angle.
Is the third angle more or less than a right angle?
This is just one possibility. Since one angle is more than a right angle and the angle sum of a triangle is 180 degrees (two right angles), the other two angles *must* each be less than a right angle!