

HOME LEARNING

Year 9 - Home Learning 7

Focus for this week: Turns, angles and bisecting

Essential learning:	<ul style="list-style-type: none">• Use words like left; right; clockwise; anti-clockwise; forwards and backwards to describe movement• Identify right angles;
Practising:	<ul style="list-style-type: none">• Compare angles to right angles• Identify and name right angles; acute angles; obtuse angles and reflex angles in a variety of settings
Learning about:	<ul style="list-style-type: none">• Bisect a line
Extension:	<ul style="list-style-type: none">• Bisect an angle

Contents:

Worksheet 1: Describe movement and turns

Worksheet 2: Comparing and describing angles

Worksheet 3: Comparing turns with angles; Estimate and measure angles

Worksheet 4: Bisect a line

Worksheet 5: Bisect an angle

Tasks:

- Look at the learning objectives, reflect on what you are already confident with, what you would like to practise and what you would like to learn this week
- Choose 2-3 worksheets to complete this week and email them to Mr. Croft
- Login to MyMaths and complete MyMaths tasks
- Spend 10 minutes a day on Times Table Rock Stars; Numbots OR Sumdog
- Please email a photo of any worksheets or poster you complete to the email address below.
This will earn you a golden token.

If you have queries about this work, please contact me at acroft@bower-grove.kent.sch.uk

Worksheet 1: Describe movement and turns

Right and Left Turns

Draw a plan of somewhere you live, or somewhere you know outside.

Choose two places to create a route.

Now describe how to follow the route using right and left turns.

Test it out on someone in your household.

Write your route below.

Extension- design your own island and then give instructions of how to get around your island using turns or compass directions.

Please email completed worksheets to me at acroft@bower-grove.kent.sch.uk. Good attempts earn a golden token.

Worksheet 2: Comparing and describing angles

Task 1: Investigate angles that are bigger than or smaller than a right angle

First take a sheet of paper and tear off the corner. This will be a right angle, 90 degrees.

Use this to investigate items in your home which are more or less than a right angle.

Record your findings on this table.

Greater than a right angle	Exactly a right angle	Less than a right angle

Task 2: Identify right angles, acute angles, obtuse angles and reflex angles

Task:- draw random lines which cross each other.

Now colour or shade in each section.

Next label each angle on the sheet.

ACUTE ANGLE is less than 90 degrees.

OBTUSE ANGLE is between 90 and 180 degrees

RELEX ANGLE is between 180 and 360 degrees.

Worksheet 3: Comparing turns with angles; Estimate and measure angles

Task 1: To use degrees to identify turns

Draw a map of an imaginary village.

Make or draw shops, parks etc.

For the roads use straight lines. Try to use all 4 turns.

Now give instructions using degrees to get around your village.

Tip

$\frac{1}{4}$ turn = 90 degrees

$\frac{1}{2}$ turn = 180 degrees

$\frac{3}{4}$ turn = 270 degrees

Whole turn = 360 degrees.

Example

FD 10

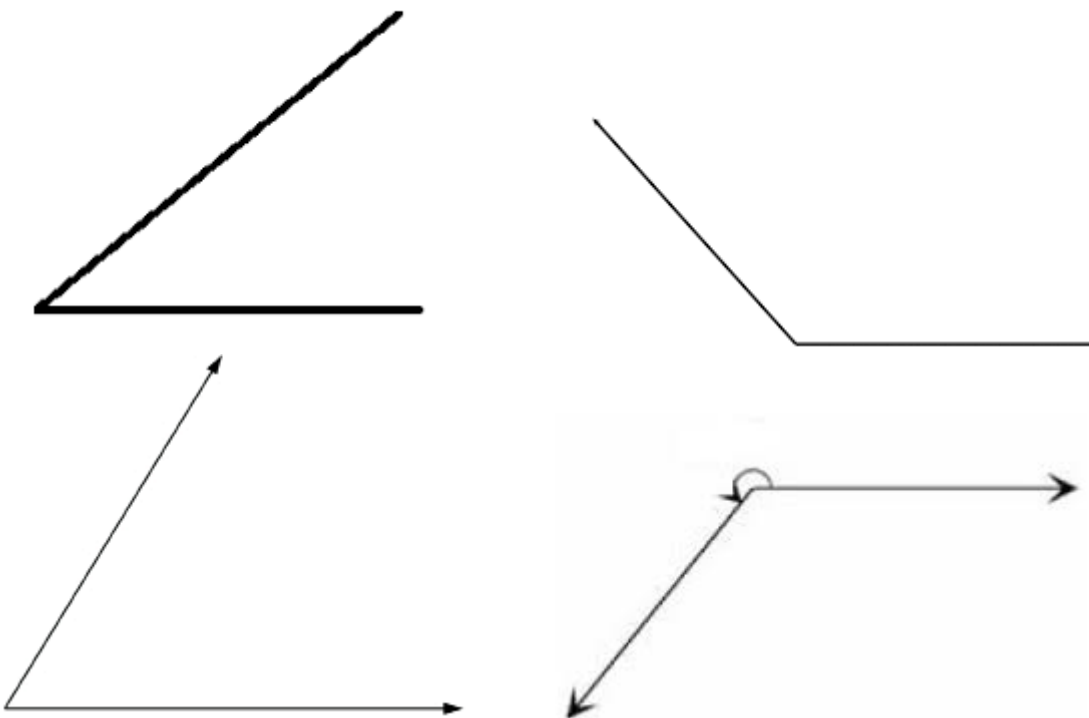
RT 90

FD 5

Task 2: Estimate and measure angles

Estimate the size of the following angles, comparing them with a 90 degree corner of a book.

Check the angles if you have a protractor or angle measure.



Please email completed worksheets to me at acroft@bower-grove.kent.sch.uk. Good attempts earn a golden token.

Worksheet 4: Bisect a line

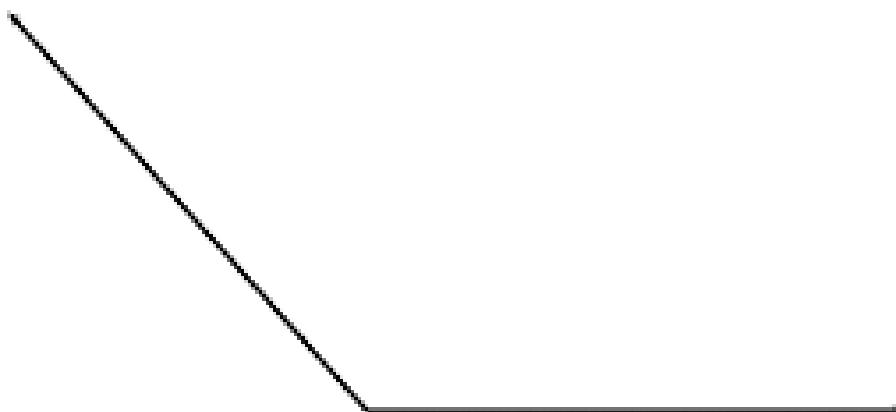
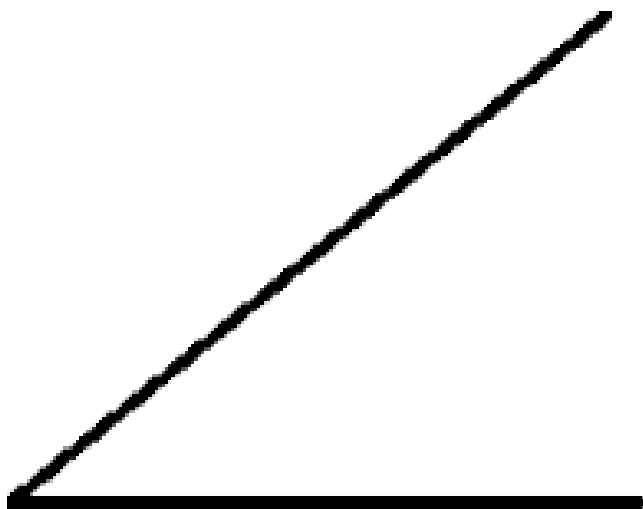
1. Watch the video on the home learning website (year 9).
2. Draw some straight lines onto a plain piece of paper (or start with these ones).
3. Bisect the straight lines using a compass or a wire stuck to a pen/pencil



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Worksheet 5: Bisect an angle

1. Watch the video on the home learning website (year 9).
2. Draw some angles onto a plain piece of paper (or start with these ones).
3. Bisect the straight lines using a compass or a wire stuck to a pen/pencil



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