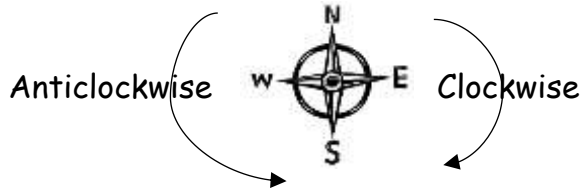


## Summer term w/b 15th June 2020

### Angles

#### Compass points and turns



Between each compass point there is a quarter turn

e.g. N to E =  $\frac{1}{4}$  turn.

N to S =  $\frac{1}{2}$  turn

I am facing South and I take  $\frac{1}{4}$  turn clockwise. What direction am I facing now? WEST

I am facing East and I take a  $\frac{3}{4}$  turn anticlockwise. What direction am I facing now? SOUTH

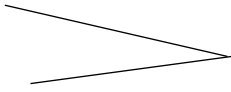
The best way to do this is to actually stand and turn.

#### Now have a go at these:

1. I am facing North and I take  $\frac{1}{2}$  turn clockwise. What direction am I facing now?
2. I am facing West and I take  $\frac{1}{4}$  turn anticlockwise. What direction am I facing now?
3. I am facing South and I take  $\frac{1}{4}$  turn clockwise. What direction am I facing now?
4. I am facing East and I take  $\frac{3}{4}$  turn anticlockwise. What direction am I facing now?
5. I am facing North and I take  $\frac{3}{4}$  turn clockwise. What direction am I facing now?

## Right angles

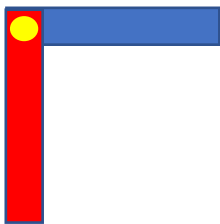
An angle is formed where two lines meet and is measured in degrees.



A right angle is  $90^\circ$ .

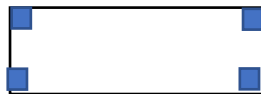


You can make a right-angle checker using 2 pieces of card joined with a split pin:



Or use the corner of a piece of paper.

Finding right angles in shapes:

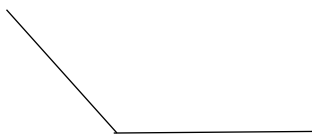


See attached sheet to find the right angles in shapes.

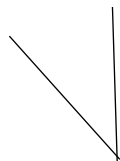
## Acute and obtuse angles

An acute angle is smaller than  $90^\circ$ .

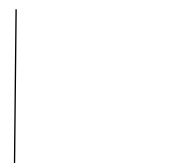
An obtuse angle is bigger than  $90^\circ$  and less than  $180^\circ$



Obtuse

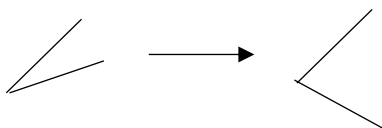


Acute



Right angle

Draw an angle bigger than:



See attached sheet for the table to draw angles bigger and smaller.

### Angles in letters

Draw a capital letter e.g.



What angles can you see? (1 right angle)

Draw other capital letters and identify the angles.

To make it harder you could colour code for the different types of angle.  
e.g. obtuse = red; acute = blue; right angle = green square.

### ANSWERS:

1. I am facing North and I take  $\frac{1}{2}$  turn clockwise. What direction am I facing now? SOUTH
2. I am facing West and I take  $\frac{1}{4}$  turn anticlockwise. What direction am I facing now? SOUTH
3. I am facing South and I take  $\frac{1}{4}$  turn clockwise. What direction am I facing now? WEST
4. I am facing East and I take  $\frac{3}{4}$  turn anticlockwise. What direction am I facing now? NORTH
5. I am facing North and I take  $\frac{3}{4}$  turn clockwise. What direction am I facing now? WEST