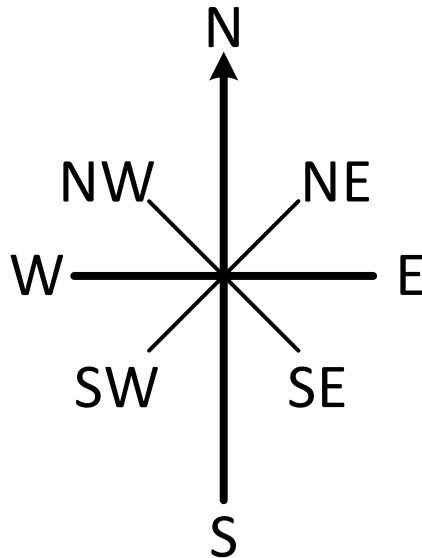


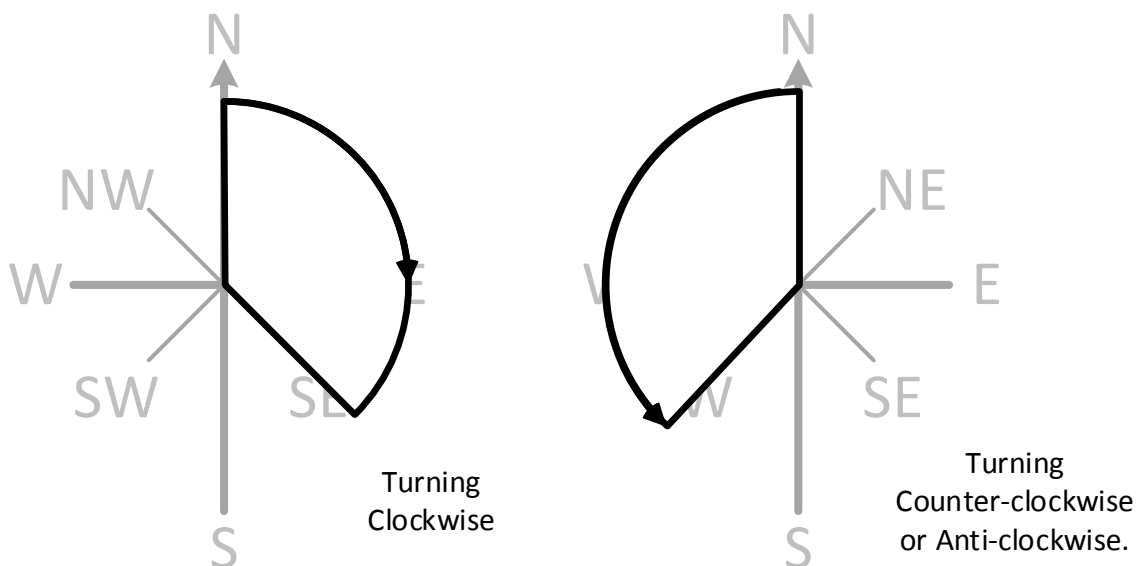
T1: Directions and Shape

Copy the following information into your book.

There are four main points on a compass called the cardinal points. These are, running clockwise, N, E, S and W. Between them are four more points and these are called the ordinal points of the compass. These are named NE, SE, SW and NW.



When we are describing a turn, there are two components: direction and amount. Direction has two possible values:

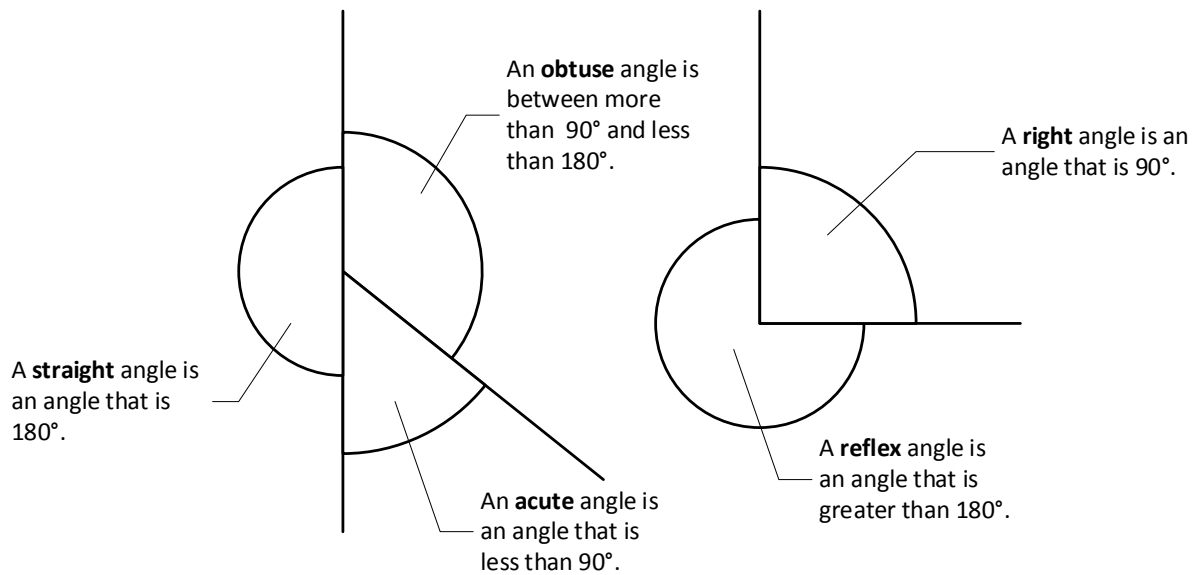


The amount of turn is usually given as a quarter turn or a half turn, although it can be given in eighths of a turn sometimes. We can think of these as fractions of a circle.

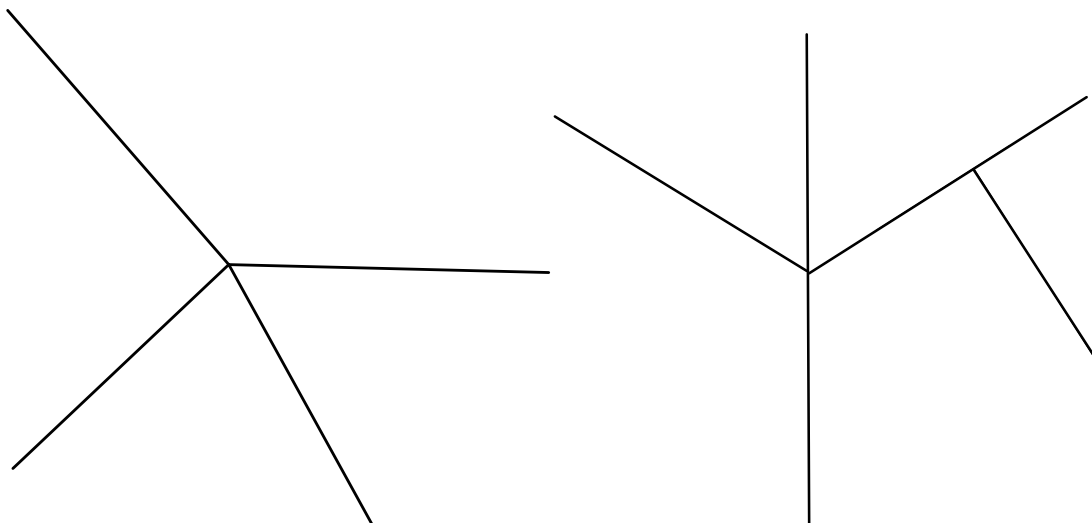
Answer the questions below.

1. You are facing North. You turn one quarter turn clockwise. What direction are you now facing?
2. You are facing North-West. You turn one half turn clockwise. What direction are you now facing?
3. You are facing south. You turn three eighths turn counter clockwise. What direction are you now facing?
4. You are facing East. You turn five eighths counter clockwise followed by one quarter turn clockwise. What direction are you now facing?
5. You are facing South-East. You turn half a turn anti-clockwise followed by a quarter turn anti clockwise and an eighth of a turn clockwise. What direction are you now facing?

Angles: Copy down the following diagram in your book.



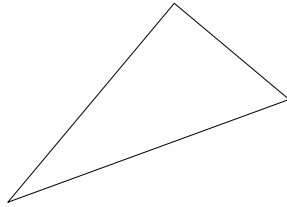
Copy these shapes into your books and label the angles using the words written in bold above.

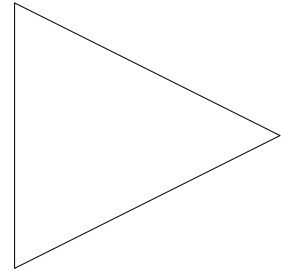


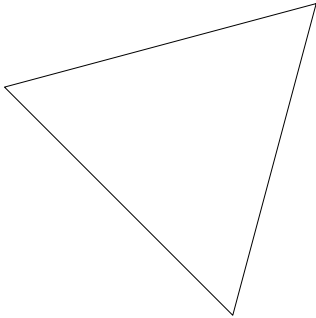
Triangles:

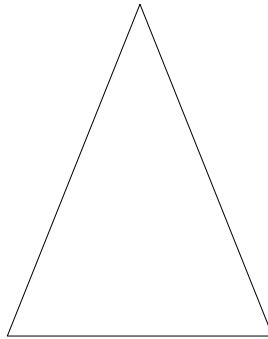
We commonly call triangles by the names equilateral, isosceles, scalene or right angled. Right angled can be either isosceles or scalene. Label the following triangles.

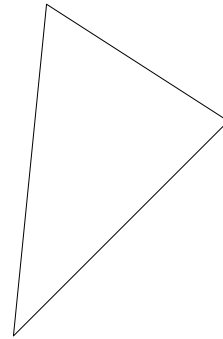












Quadrilaterals

Draw the following quadrilaterals and label them in your book. One of the list is not a quadrilateral so be careful. Make sure you spell the name correctly.

square

oblong

rhombus

parallelogram

trapezium

kite

diamond