

mathematical instruments

ruler

slide rule

setsquare

protractor

T-square

compass

radius

diameter

circumference

solid - hollow

round, circular

external – internal, outer- inner

horizontal - vertical

at right angles to

at an angle of ... degrees to

perpendicular to

acute angle, obtuse angle, reflex/external angle

regular triangle, equilateral triangle, right-angled triangle, isosceles triangle

diagonal

parallel

intersecting lines, to intersect

bisector, to bisect

above, over, on top of

under(neath), below, beneath

behind, at the back of

in front of

between

among

in the middle/centre of

near, close to, by the side of, beside

on the right/left (hand)side of

inside - outside

around

touching, adjacent, joined

separate, apart

upper - lower

rear - front

inverted, upturned

to push - to pull

to lift, to raise - to lower

to turn, to rotate, to revolve

to twist

to swing

to slide

to tighten - to loosen

to bend

to press  
to rise - to fall  
to tilt

up(wards) - down(wards)  
sideways: to the left/right  
across  
backwards, away from – forwards, towards  
clockwise – anti/counterclockwise  
into – out of  
through  
along  
up and down  
in and out  
backwards and forwards, to and fro  
from side to side