

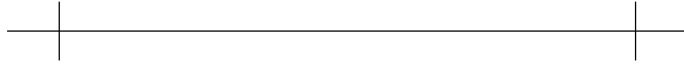
Mothercare Preparatory Schools

Primary Five Maths Holiday Work – Week Two

Name: _____ Stream: _____

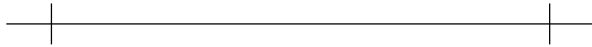
Drawing perpendicular lines and other angles using a ruler, pencil and protractor.

Draw a perpendicular line on the line below.

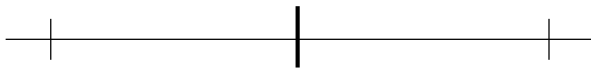


Steps

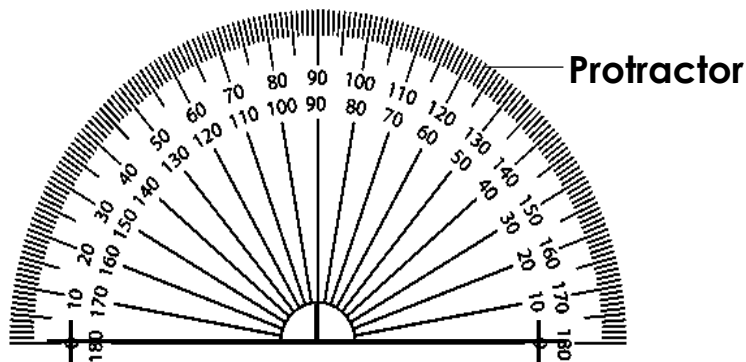
1. Draw a line segment.



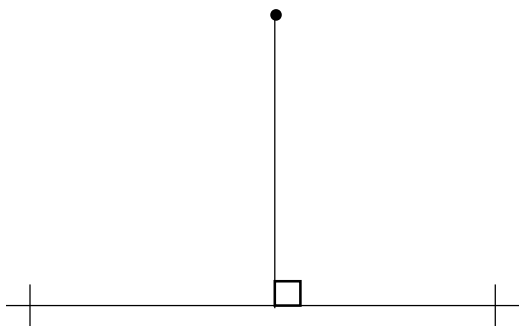
2. Mark a point in the middle of the drawn line.



3. Place the central point of the protractor at the point marked and mark an angle of 90° as shown below.

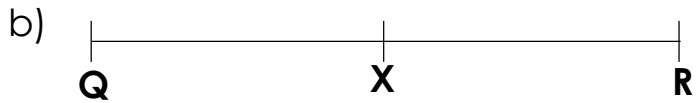
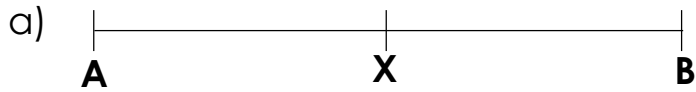


4. Remove the protractor and join forming a perpendicular.



Activity

1. Draw a perpendicular line at X using a protractor and a ruler.



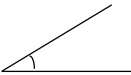
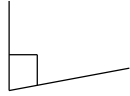

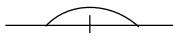
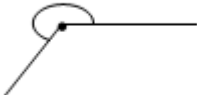
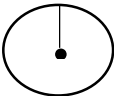
2. Using a protractor, draw an angle of 60° in the space below.

3. Draw an angle of 90° using a protractor.

4. Using a protractor, draw an angle of 55° .

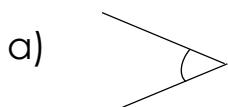
5. Draw an angle of 45° using a protractor.

Naming types of angles.

Types of angle	Description/illustration	Example
1. Acute angles	 Angles less than 90°	10° 20° 15° 60° 89°
2. Right angles	 An angle that measures 90°	90°
3. Obtuse angle	 An angle greater than 90° but less than 180°	91° 120° 150° 175°
4. Straight angle	 An angle that measures 180°	180°
5. Reflex angle	 Angles greater than 180° but less than 360°	190° 185° 300° 270°
6. Angle at a point	 An angle that measures 360°	360°

Activity

1. Name the type of angles drawn below.




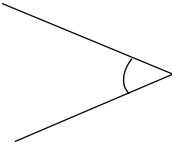









2. On the diagram below use an arrow to show the reflex angle.



3. Study the table below and complete it.

Types of angle	Example	Diagram
Obtuse angle	100°	
Acute angle		
Right angle	90°	
	36°	
	27°	

4. Below is a list of angles. Use it to answer the questions that follow.

57°	60°	80°	49°	90°
120°	108°	13°	25°	94°
200°	74°	50°	350°	270°

List all the angles given in the table under the following types of angles.

a) acute angles

b) obtuse angles

c) reflex angles

d) right angle

-End-