26. (a) using a ruler, a pair of compasses and a pencil only, construct a rhombus PQRS with diagonal PR = 10cm and diagonal QS = 8cm (4 marks)

(b) Measure line PQ

(1 mark)

28. (a) Using a ruler, pair of compasses and pencils only , construct triangle PQR in which line PQ =6cm and angle PQR=45° and angle RPQ IS 60° (4marks)

(b) Measure line PR (1mark)

26. (a) using a ruler, a pair of compasses and a pencil only, construct a rhombus PQRS with diagonal PR = 10cm and diagonal QS = 8cm (4 marks)

(b) Measure line PQ

(1 mark)

answer the questions that follow

29. a) Using a pair of compasses, pencil and a ruler only, construct triangle PQR where PQ = 7cm, angle QPR = 90^0 and angle PQR = 45^0.

(4 mks)

b) Meausre QR. (1 mk)

30. (a) Using a ruler, pencil and a pair of compasses only construct a square ABCD of sides $\overline{AB}$ = 4.5cm in the space below. *(03 marks)*

(b) (i) Join the diagonal $\overline{AC}$ and measure $\overline{AC}$ = *(01 mark)*

(ii) Measure angle BAC = *(01 mark)*

26. (a) using a ruler, a pair of compasses and a pencil only, construct a rhombus PQRS with diagonal PR = 10cm and diagonal QS = 8cm (4 marks)

(b) Measure line PQ

(1 mark)

31. (a) Using a ruler, pencil and a pair of compasses construct a triangle ABC where $\overline{AB}$ = 5cm $\angle ABC = 60^{\circ}$ and $\angle BAC = 75^{\circ}$ **(04 marks)**

(b) Construct a perpendicular from C to meet AB at x. **(01 mark)**

(c) Measure line CX. **(01 mark)**

25. Using a ruler, a pencil and a pair of compasses only, construct a triangle TVS where angle TVS=45°, VS = 6cm and angle VST= 60°.

(a) Drop a perpendicular from point T to meet VS at K (4mks)

(b) Measure length TK (1mk)

(03Marks)

29.a)Using a pair of compasses, a ruler and a pencil only, construct a quadrilateral ABCD where AB=7cm, AD = 3cm, angle DAB = 90° and angle ABC = 45°.

32. (a) Using a pair of compasses, a ruler and a pencil only construct a triangle ABC in which BC=7cm ,angle BCA=45° and angle ABC=60°,drop a perpendicular bisector from point A to meet line BC at E. (04 marks)

28. a) The diagonals of parallelogram bisect each other. Using a ruler, pencil and a pair of compasses only, construct a parallelogram ABCD, given that

AB = 7cm, AC = 10cm and BD = 8cm (5 marks)

b) Measure BC. (1 mark)

29. (a) Using a pencil, a ruler and a pair of compasses only, construct a rectangle MNRS where MN = 6cm and line NR =4cm. ***(4marks)***

(b) Measure the length of the diagonal NS. ***(1mark)***

26. Using a ruler, a sharp pencil and a pair of compasses only , construct a quadrilateral ABCD where $\overline{AB}$ is parallel to $\overline{CD}$ = 7cm, $\overline{BC}$ is parallel and perpendicular to $\overline{AD}$ = 5CM. *(4marks)*

b) Measure angle BAC.

25.a). Using a pencil, ruler and a pair of compasses only, construct triangle **ABC** in which **BC** = **4**cm, angle **ABC** = **90°** and angle **BCA** = **30°** (5cm)

b). Measure the length of **AC**(1mk)

27 a) Using a ruler, a pencil and a pair of compasses only, construct a parallelogram PQRS such that line QR = 7cm, and line PQ = 5cm, angle Q = 60^0. *(4 marks)*

(b) Measure the diagonal QS. *(1 mark)*

26	Using a pair of compass and a ruler only, construct a triangle **XYZ** in which XY = 6.5cm, YXZ = 60^0, XYZ =45^0. ***(04marks)***
	(b) Measure XYZ ***(01mark)***

26. (a) Using a ruler, a pencil and a pair of compasses only, construct triangle **ABC** where line **AB** = 6cm, angle **CAB**=60^0, angle **ABC** = 120^0 . Drop a perpendicular from **B** to meet length **AC** at point **O**. (05 Marks)

(b) Measure the length **AC**. .....cm (01 Mark)

23. With the help of a pencil, pair of compass and a ruler only. Construct a triangle ABC where line AB = 6.cm, AC = 8cm and angle BAC = 75° (4marks)

27 (a) Using a pair of compasses, a ruler and a pencil only, construct a triangle XYZ where line XY = 7cm YZ = ZX = 6cm.

(b) Drop a perpendicular from Z to meet line XY at P

23. (a) Using a ruler and a pair of compasses, construct a triangle ABC where AB = **6**cm, angle ABC = **120**^{0} and angle BAC = **30**^{0}. *(04 marks)*

(b) Measure line AC =_____ cm *(01 mark)*

29. a) Using a pair of compasses, a ruler and a pencil only, construct a quadrilateral ABCD where AB = 3.6cm, BC = 5.1CM, CD = 4.8cm and AD = 3CM.

b) Measure diagonal AC.

26 Using a pair of compasses a ruler and a pencil only. **(4marks)**

a) Construct a triangle LMN where $\overline{LM}$=6cm, angle LMN =60^0 and LNLM = 45^0.

b) Drop a perpendicular from N to meet LM at Z hence measure NZ. **(2marks)**

ratio of 2:3:5 respectively.

26. (a) Using a ruler, a pair of compasses and a pencil only construct a triangle RST such that RS = 7cm, angle SRT = 120^0 and RST = 30^0. Construct a perpendicular line from T to meet RS at point M

(04 marks)

Turn Over

(b) Measure the length of MT .....cm

(01 mark)

26. (a) Using a ruler, a pair of compasses and a pencil only construct a triangle RST such that RS = 7cm, angle SRT = 120^0 and RST = 30^0. Construct a perpendicular line from T to meet RS at point M

(04 marks)

Turn Over

(b) Measure the length of MT .....cm (01 mark)

27. a) Using a ruler, a pencil and a pair of compasses only, construct a quadrilateral WXYZ where line segment WX = 7.5cm, angle XWZ =WZY = 90^0, line WZ = 4cm and angle WXY = 60^0.

b) Measure the length XY _____ cm (1mrk)

30. Using a pair of compasses and ruler construct a triangle **ABC** in which line, **AB**=6cm, angle **CAB** = 30^0 and angle **ABC**=120^0, Drop a perpendicular from **C** to meet **AB** at point **T**. **(05 Marks)**

(b). Measure line **CT** **(01 Marks)**

25. Using a ruler, a pencil and a pair of compasses only, construct a triangle ABC in which AB = 7cm and angle BAC = 120^0 and angle CBA = 30^0.

(4 mks)

b) Measure line BC.

(1 mk)

32)	Using a ruler, a pencil and pair of compasses only, construct a triangle PQR in which line PQ = 6cm, angle PQR = 60^0 and Angle RPQ = 45^0.		
b)	Drop a perpendicular line from point R to meet line PQ at n	c)	Calculate the area of triangle PQR.

26. (a) Using a ruler and a pair of compasses, construct a triangle PQR where PQ = 7cm, angle PQR = 60^0 and angle QPR = 45^0. Drop a perpendicular line from R to meet PQ at point O.

(b) Measure the length RO.

29. Using a pair of compasses, a ruler and a sharp pencil only. Construct a triangle ABC where AB = 6cm, $<BAC = 60^0$ and $< ACB = 45^0$. **(4mks)**

(b) Measure $\overline{AC}$ _____ **(1mk)**

26. (a) Using a ruler, a pencil and a pair of compasses only, construct triangle **ABC** where line **AB** = 6cm, angle **CAB**=60^0, angle **ABC** = 120^0. Drop a perpendicular from **B** to meet length **AC** at point **O**. (05 Marks)

31 Using a pair of compasses, a ruler and a pencil only, construct a parallelogram HEAR in which line segment EA = 6.5cm, angle HEA = 60^0 and line segment AR = 4cm. *(4 marks)*

32. a).Using a pair of compasses, a pencil and a ruler only. Construct a quadrilateral **ABCD** such that **AB = BC = 4.5cm** and angle **ABC = 135°**. (4 marks)

(b) Measure diagonal **AC**. (1 mark)

27. a) Using a ruler, a pencil and a pair of compasses only, construct a parallelogram ABCD such that BC = 6cm, BCD = 120° and diagonal BD = 9cm. (05 marks)

b) Measure line AB in cm. (01 marks)

27.	Using a ruler, a pencil and a pair of compasses construct a regular Hexagon in a circle of radius **3.5cm**. *(4mrks)*

30. a) With the help of a ruler, a pencil and a pair of compasses only, construct a triangle PQR in which PQ =7cm angle RPQ = 120° and PR = 5cm.

(04marks)

b) Measure angle RQP.

(01mark)

29. a) Using a pair of compasses, a ruler and a pencil only, construct a quadrilateral ABCD where AB = 3.6cm, BC = 5.1CM, CD = 4.8cm and AD = 3CM.

b) Measure diagonal AC.

30. (a) Using a ruler, a pencil and a pair of compasses only, construct a parallelogram DANE such that $\overline{DA} = 6cm$, $\overline{AN} = 5cm$ and angle $DAN = 120^0$. Drop a perpendicular line from point E to meet line DA at point X. (05marks)

(b) Measure the length EX.

(01mark)