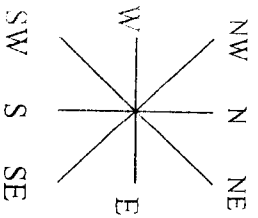


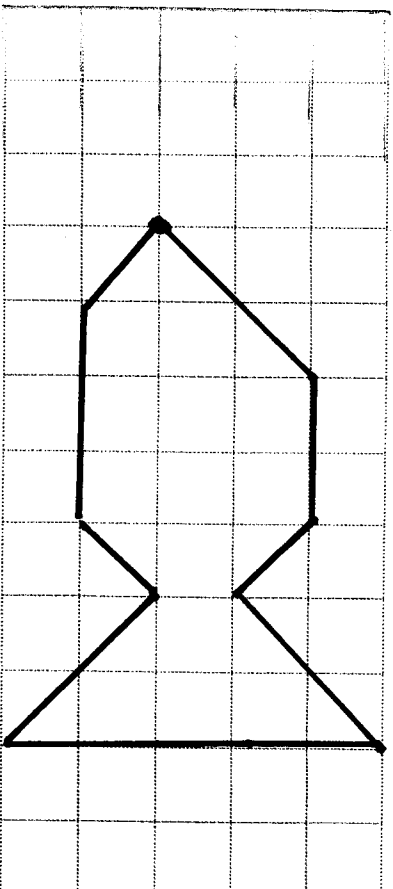
## BEARINGS

Page	Description
1	Using the 8 common compass bearings, N, NE, E, SE, S, SW, W, NW
2	Introduction to 3 figure bearings
3	3 figure bearing activity
4	3 figure bearing activity
5	Find the bearing and distance of a point, plot a point given its distance and bearing
6	Locate a point given two bearings but no distance
7	Locate a point given two bearings but no distance. Find distances and grid references

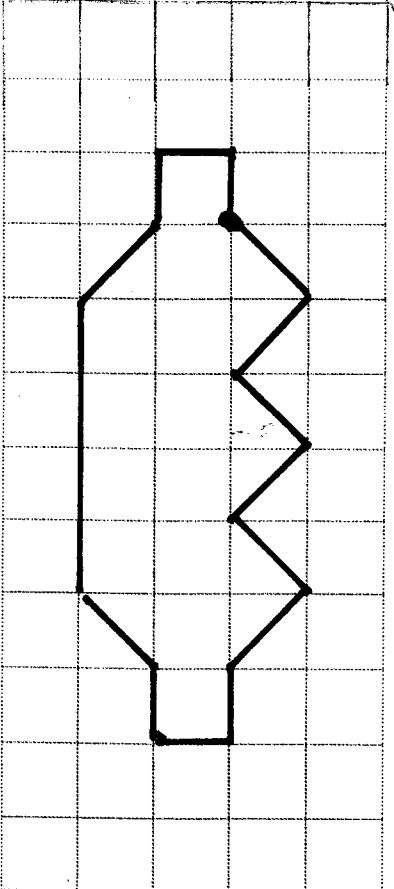


### COMPASS BEARINGS

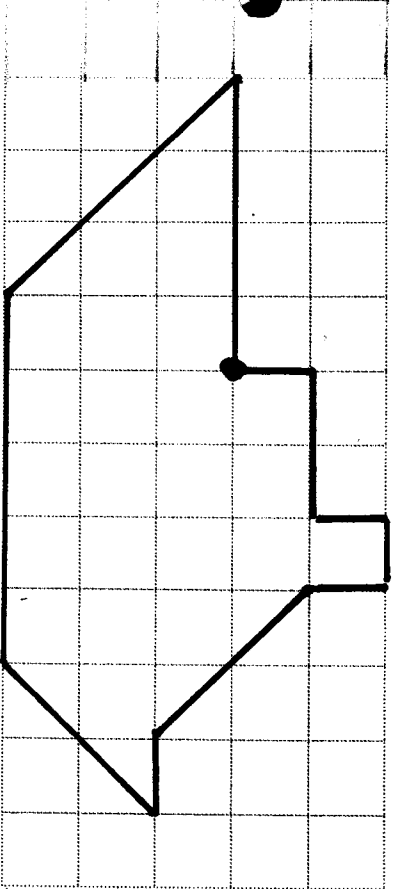
Starting at the black dot, follow the instructions to make a shape.



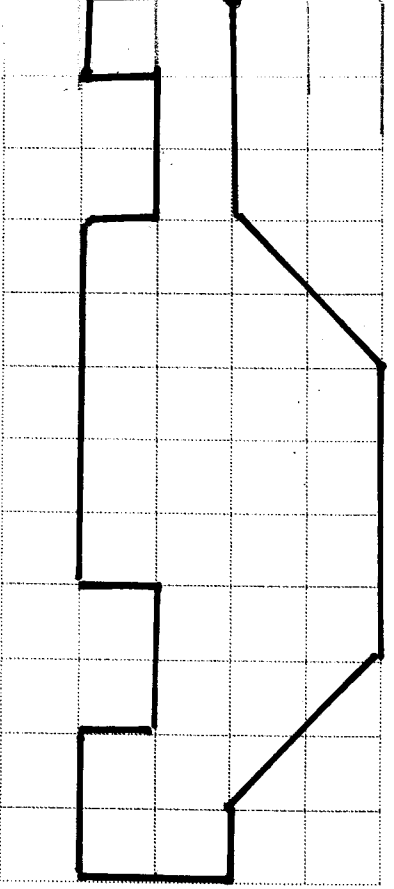
Shape 1  
 North East 2, East 2,  
 South East 1, North East  
 2, South 5, North West 2,  
 South West 1, West 3,  
 North West 1.



Go down the columns  
 NE 1                    S 1  
 SE 1                    W 1  
 NE 1                    SW 1  
 SE 1                    W 4  
 NE 1                    NW 1  
 SE 1                    W 1  
 E 1                      N 1  
                             E 1



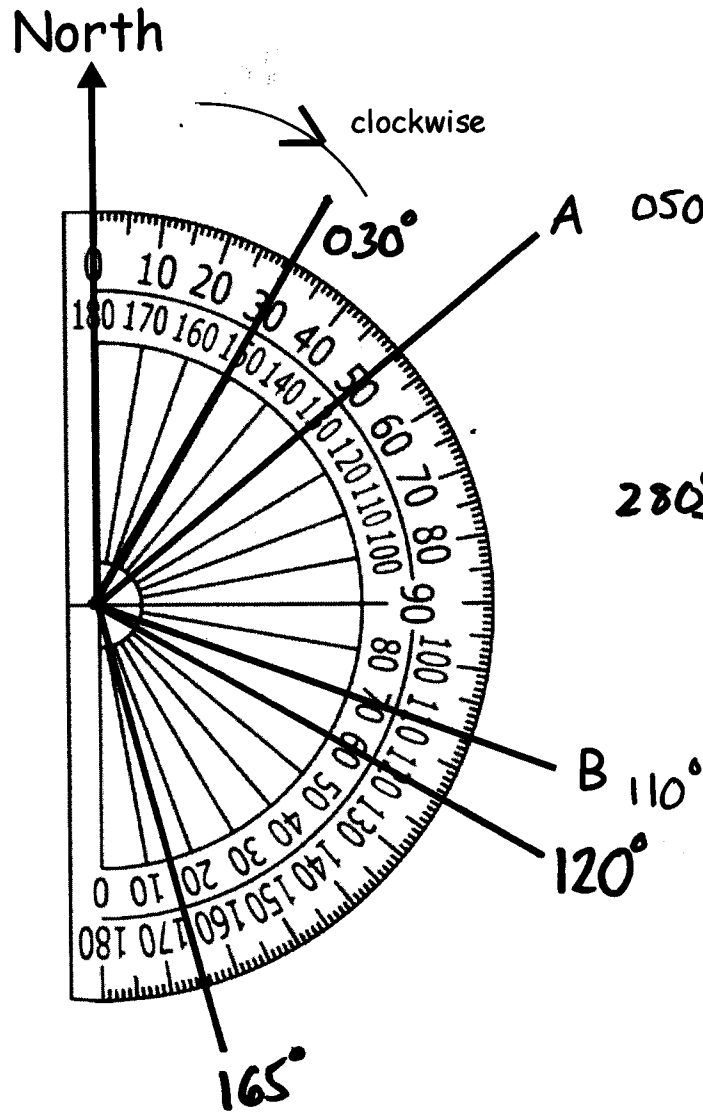
W 4                      W 2  
 SE 3                    S 1  
 E 5  
 NE 2  
 W 1  
 NW 2  
 N 1  
 N 1  
 W 1  
 S 1



E 3                      S 1  
 NE 2                    W 5  
 E 4                      N 1  
 SE 2                    W 2  
 E 1                      S 1  
 S 2                      W 1  
 W 2                      N 2  
 N 1  
 W 2

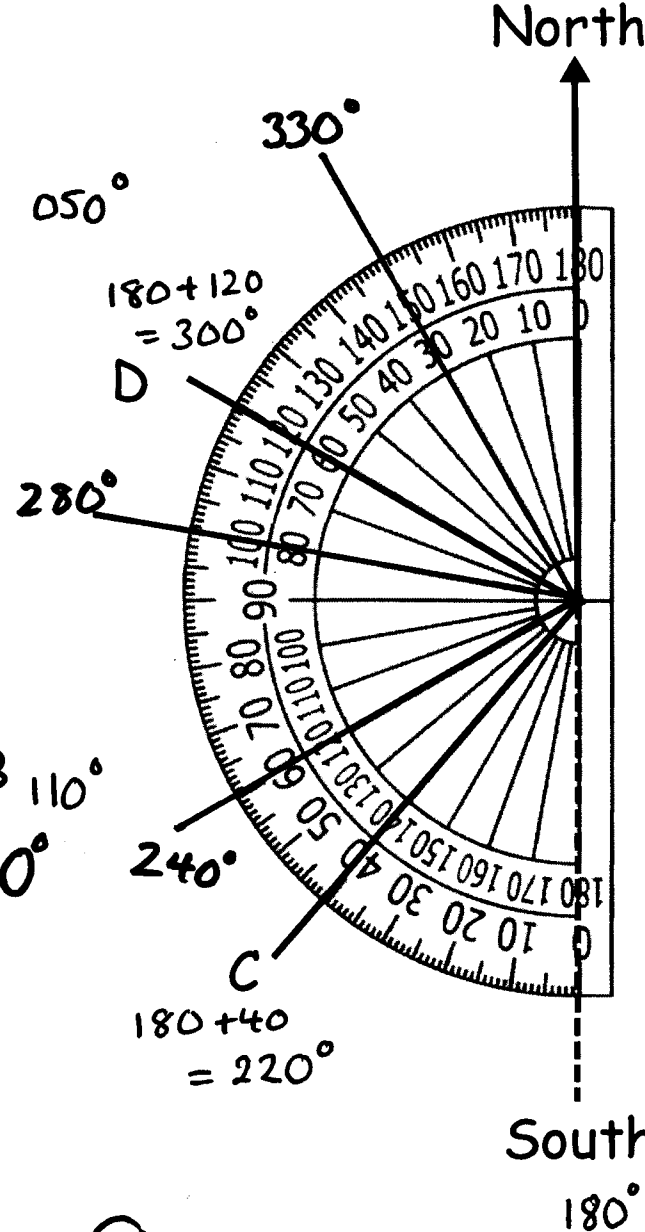
**BEARINGS** - A bearing is an angle measured from **NORTH** in a **CLOCKWISE** direction.  
They are always written with 3 FIGURES.

Bearings 000° to 180°



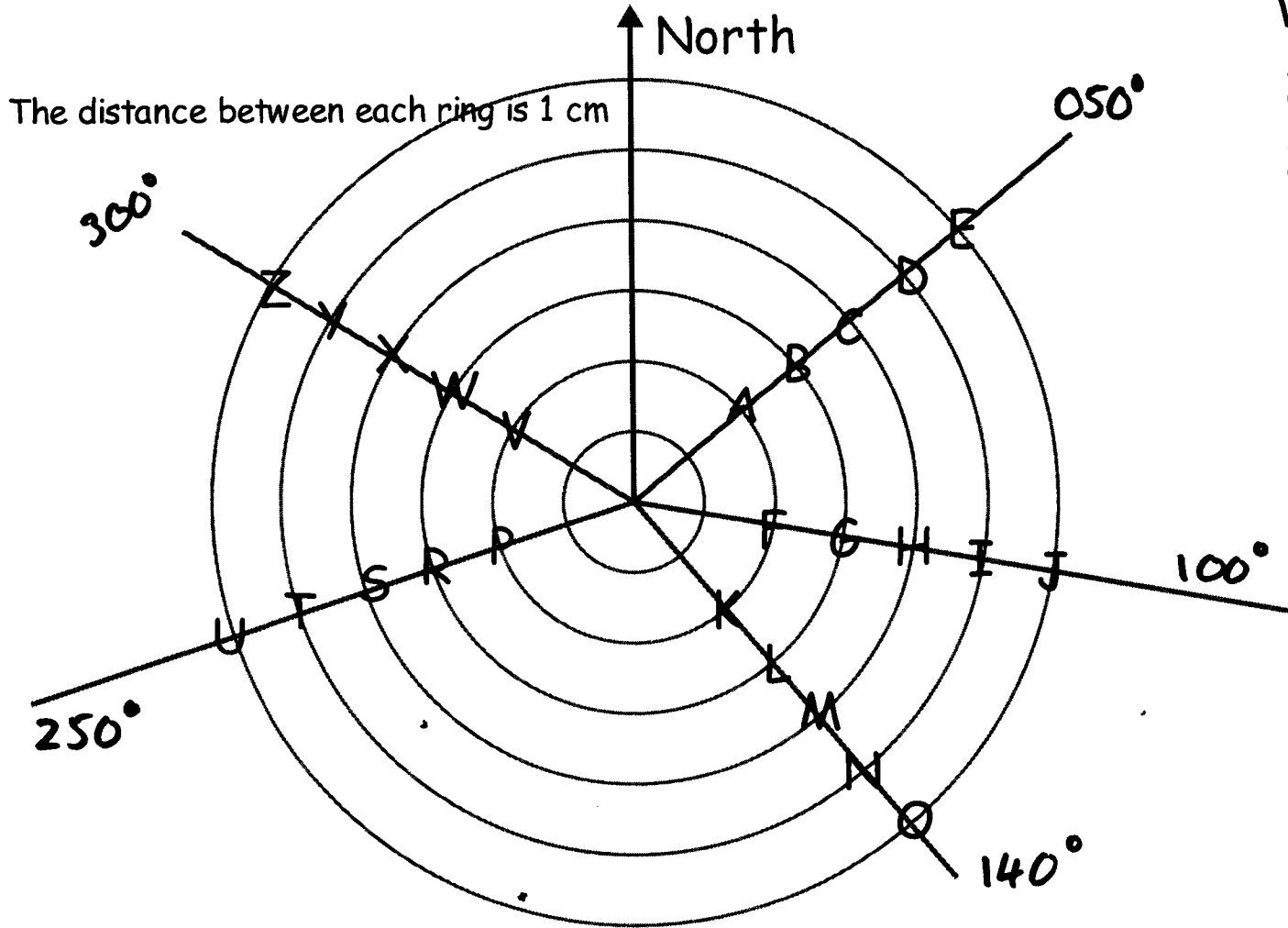
- 1) Draw 030°
- 2) Draw 120°
- 3) Draw 165°

Bearings 181° to 359°



- 4) Draw 240°  
 $240^\circ - 180^\circ = 60^\circ$   
Measure 60° from SOUTH
- 5) Draw 280°  
 $280 - 180 = 100$
- 6) Draw 330°  
 $330 - 180 = 150$

# Bearings



Which Letter is at?

250°, 5 cm Y

250°, 4 cm X

140°, 4 cm M

100°, 4 cm H

050°, 2 cm A

Write the bearing and distance of these letters.

J • 100° 6cm

B 050° 3cm

F 100° 2cm

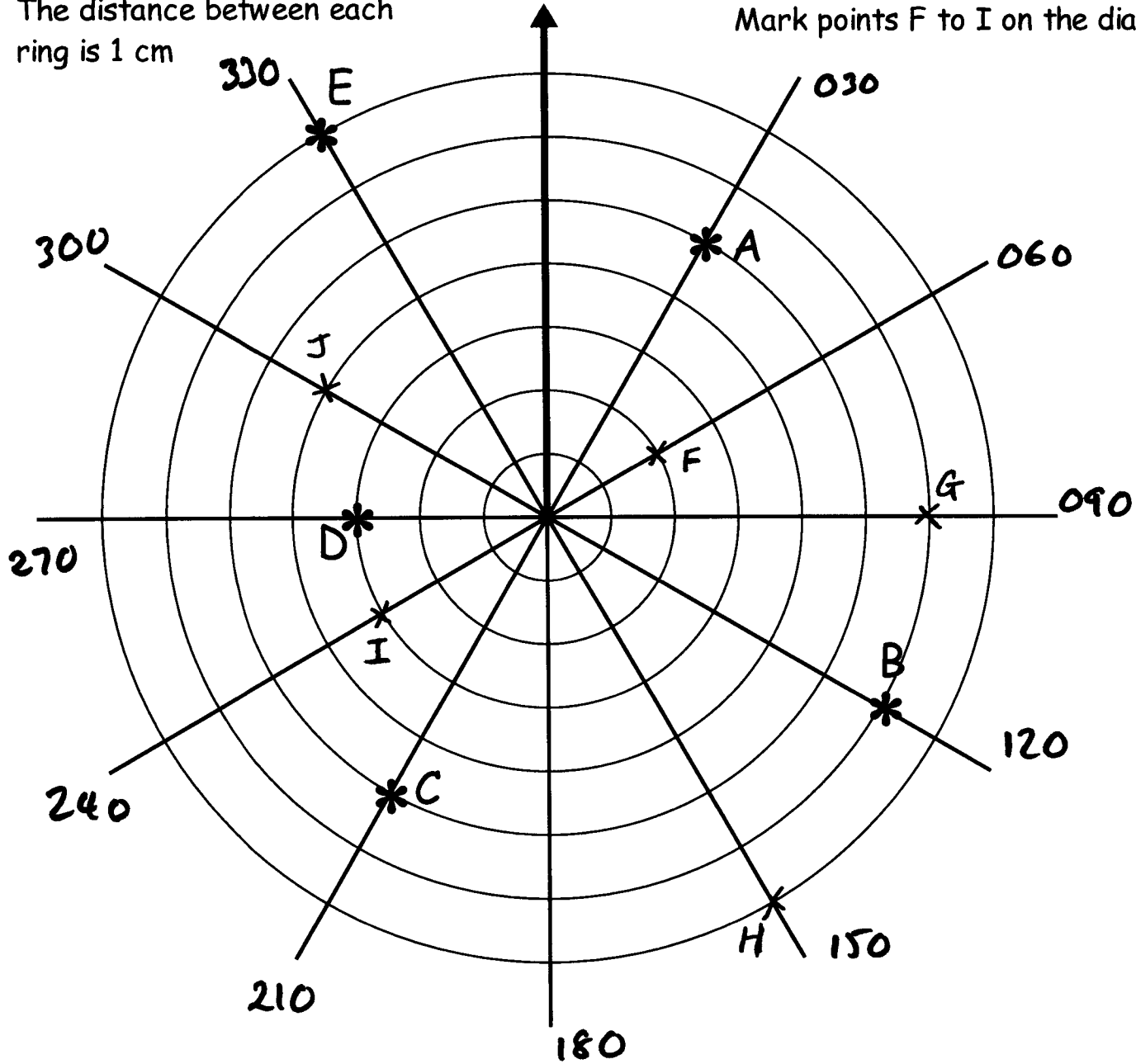
U 250° 6cm

W 300° 3cm

NORTH

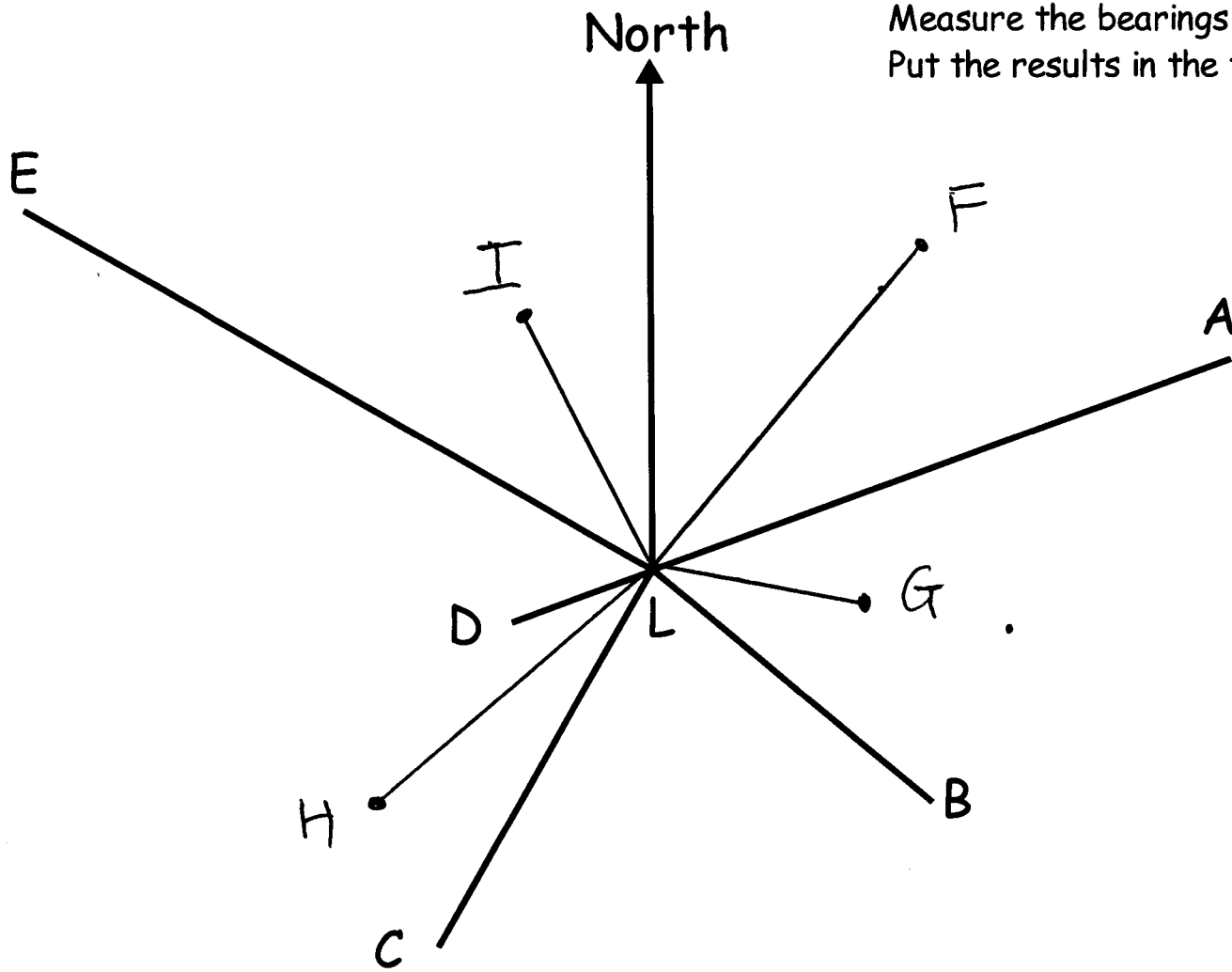
The distance between each ring is 1 cm

Fill in the information in the table for points A to E.  
Mark points F to I on the diagram



	Bearing	Distance
A	030°	5cm
B	120°	6cm
C	210°	5cm
D	270°	3cm
E	330°	7cm
F	060	2 cm
G	090	6 cm
H	150	7 cm
I	240	3 cm
J	300	4cm

Measure the bearings and distances of the 5 points A to E from L.  
Put the results in the table below. The scale is 1 cm = 1 km

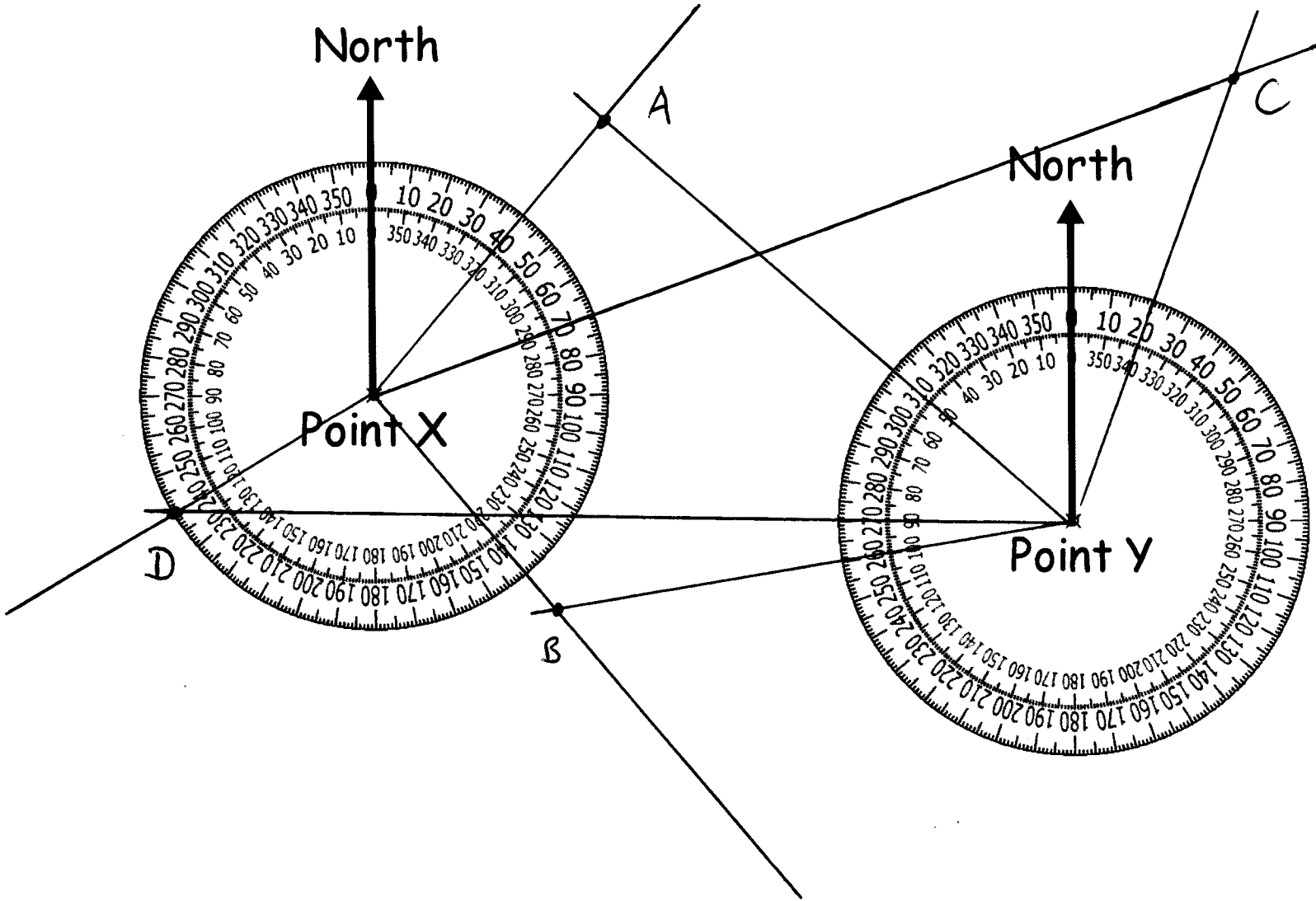


Point	Bearing	Distance (km)
A	070	8.5
B	130	5
C	210	6
D	250°	2
E	300	10

Plot these points on the diagram. The bearings and distances are from point L

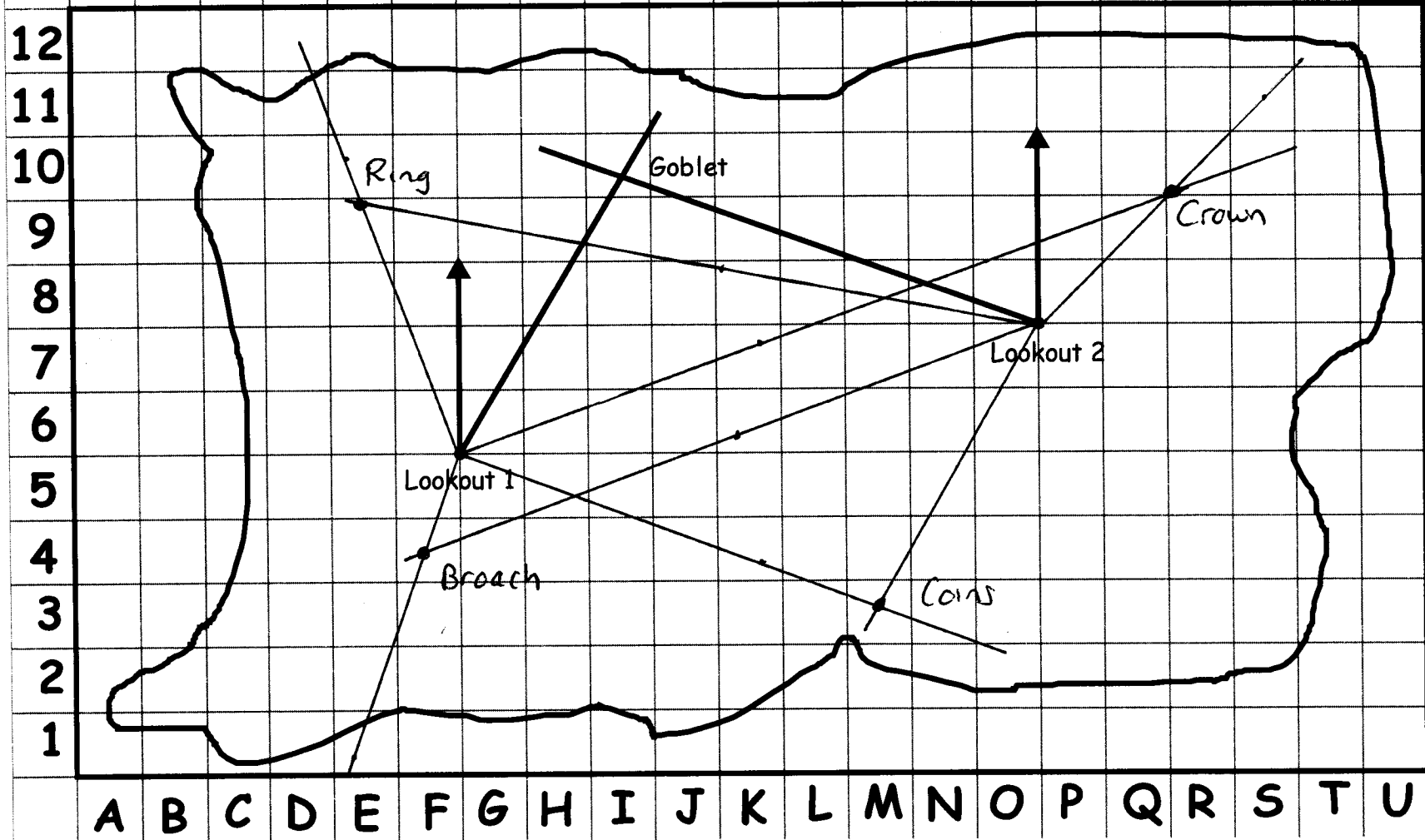
- F 040°, 6 km
- G 100°, 3 km
- H 230°, 5 km
- I 335°, 4 km

Find where the points A to D are on this diagram by drawing the bearings from points X and Y. The point is where the two lines cross



	Bearing from	
	Point X	Point Y
A	040	310
B	140	260
C	070	020
D	240	270

# Find the 5 pieces of buried treasure on the Island The Goblet has already been done



Treasure	Bearing from lookout 1	Bearing from lookout 2
Goblet	030	290
Ring	340	280
Crown	070	045
Coins	110	210
Broach	200	250

Treasure	Distance from lookout 1	Distance from lookout 2
Goblet	5.1	7.0
Ring	4.3	11.0
Crown	12.0	3.0
Coins	7.0	5.3
Broach	1.7	10.5

Grid Ref.      Goblet I 10      Ring E 9      Crown R 10      Coins M 3      Broach F 4

(all cm)