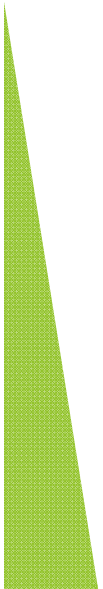


The Maths Department at Bolsover

- ▶ Miss Bennett
- ▶ Mrs. Cordon
- ▶ Mrs. Ellis
- ▶ Mr. Davies
- ▶ Mr. Squires
- ▶ Mrs. Brown
- ▶ Mr. Longden
- ▶ Mr. Briggs
- ▶ Miss Goulden

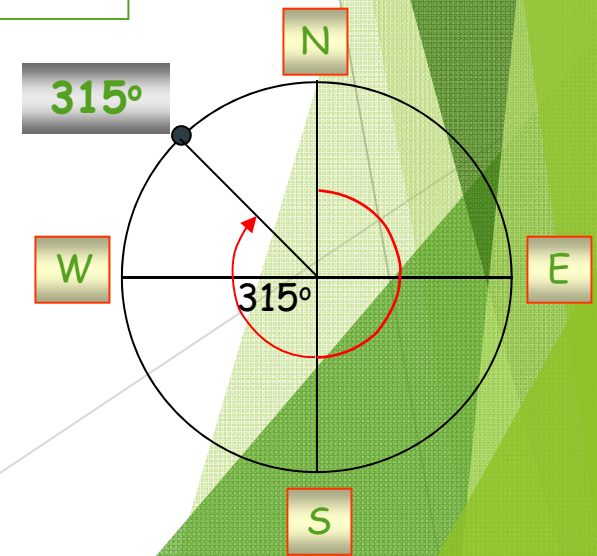
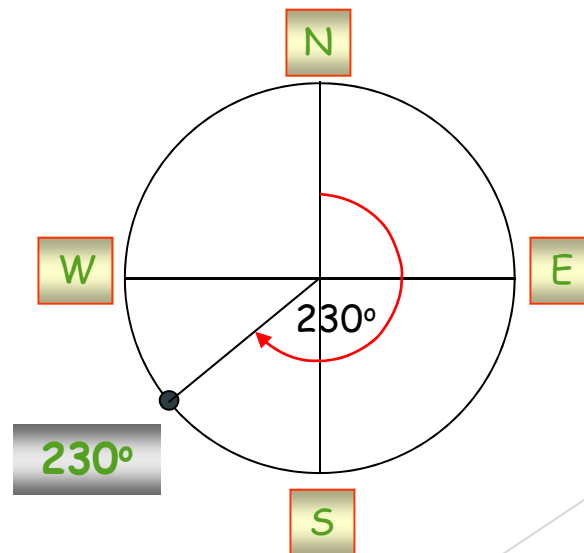
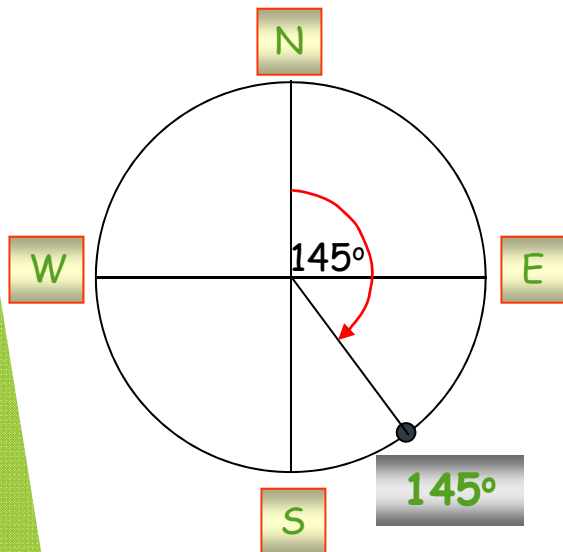
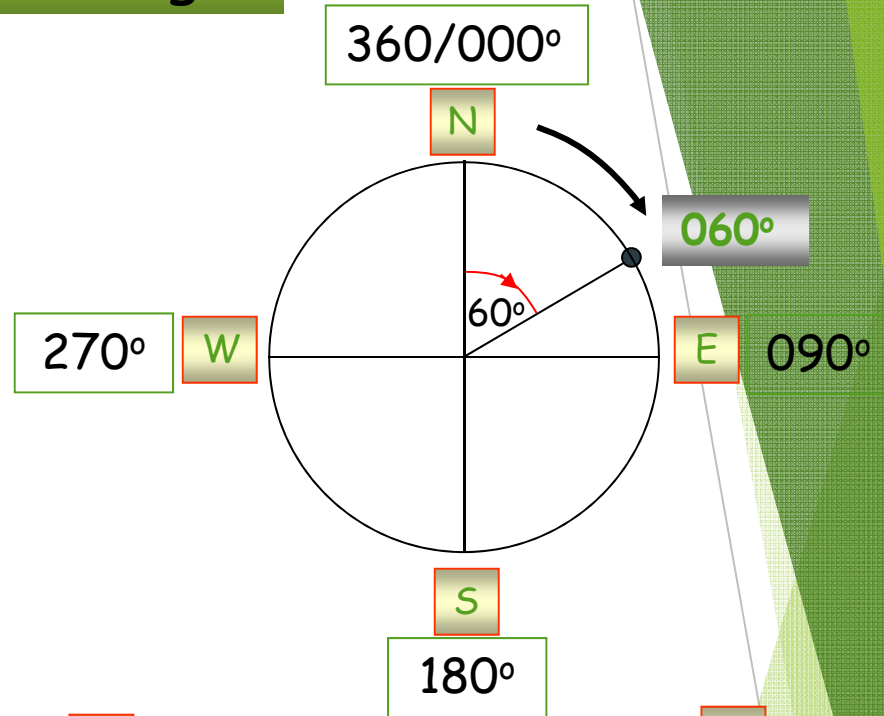


Bearings

1. Measured from North.

2. In a clockwise direction.

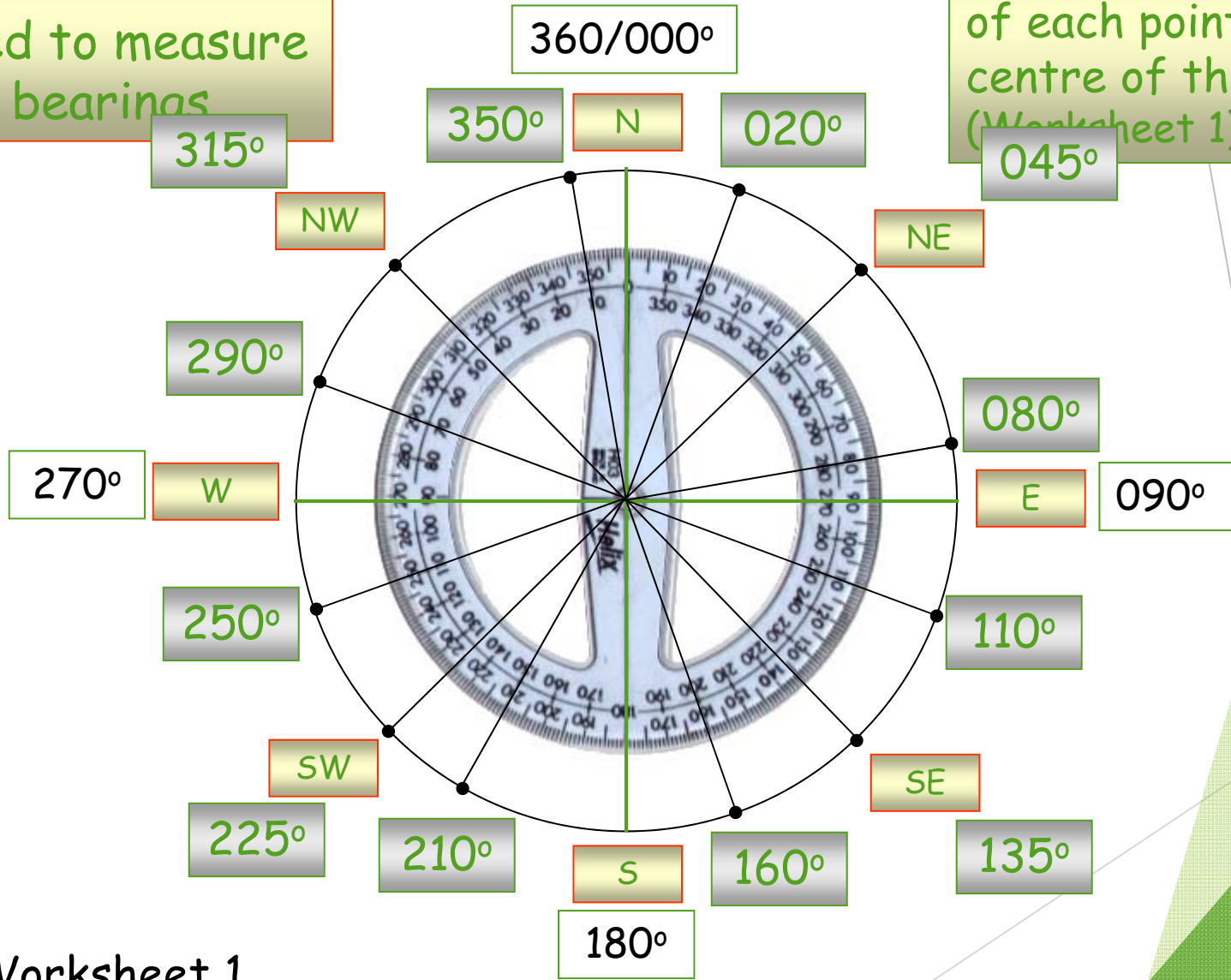
3. Written as 3 figures.

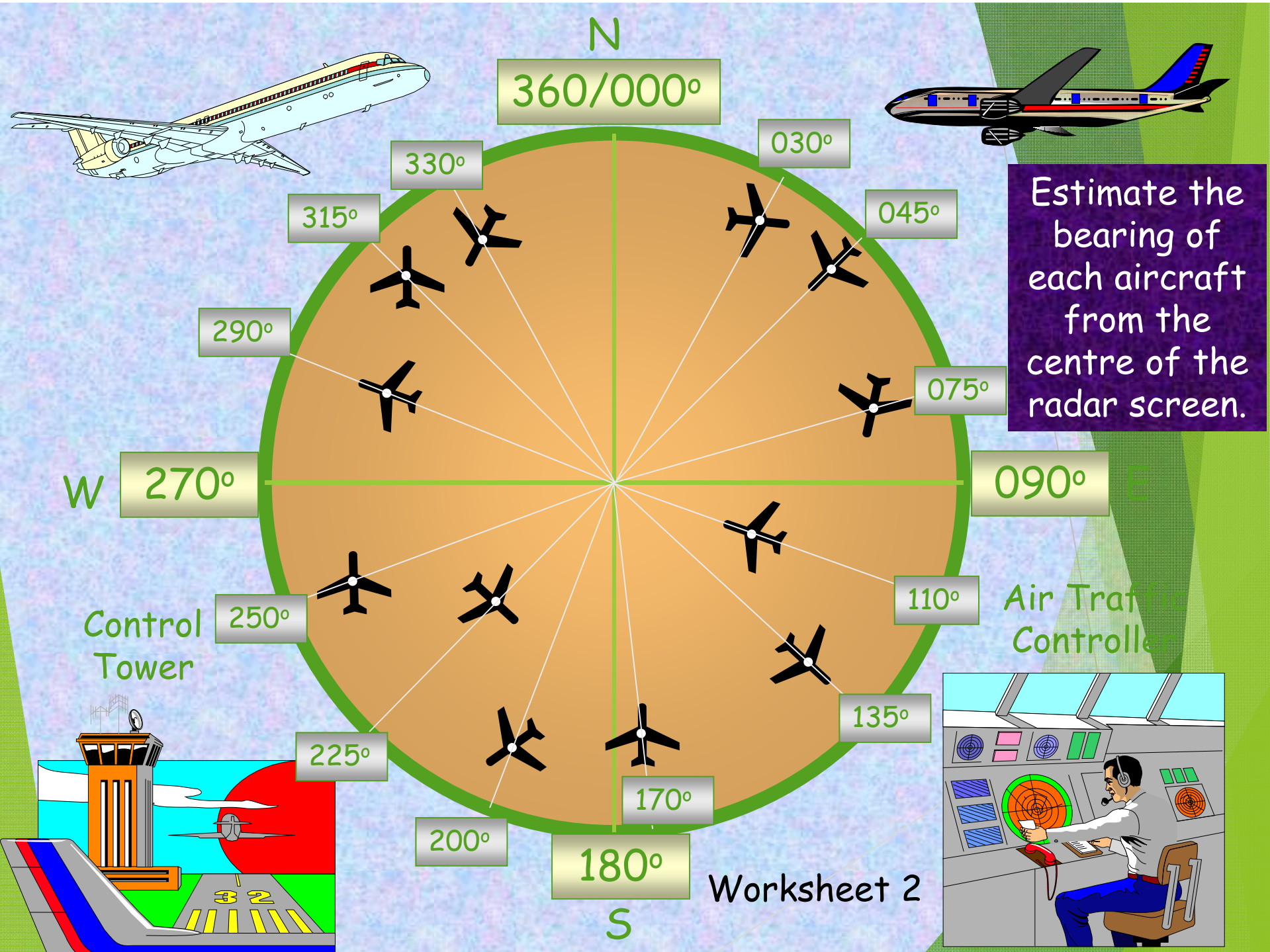


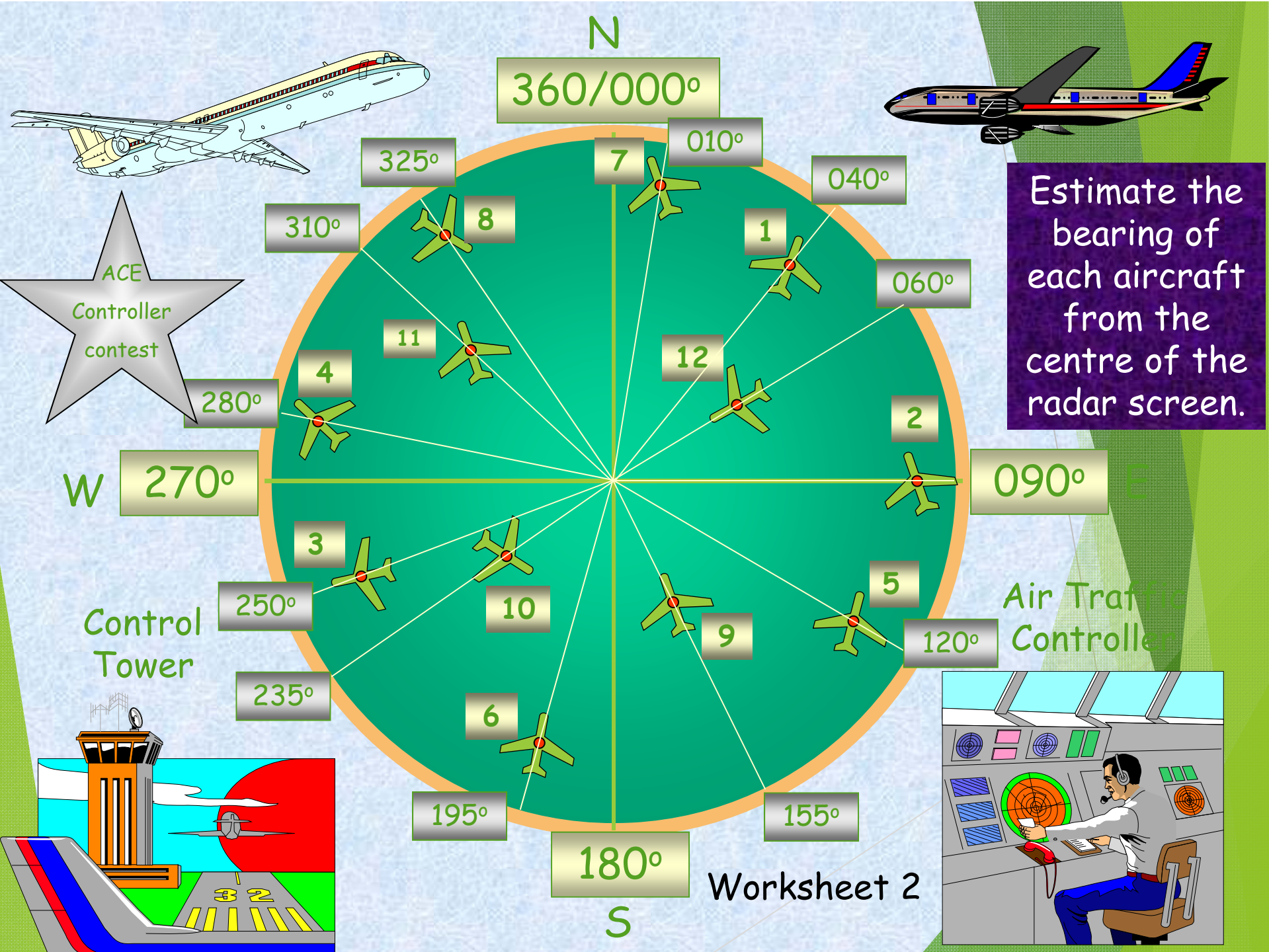
A 360° protractor is used to measure bearings

Bearings

Use your protractor to measure the bearing of each point from the centre of the circle. (Worksheet 1)



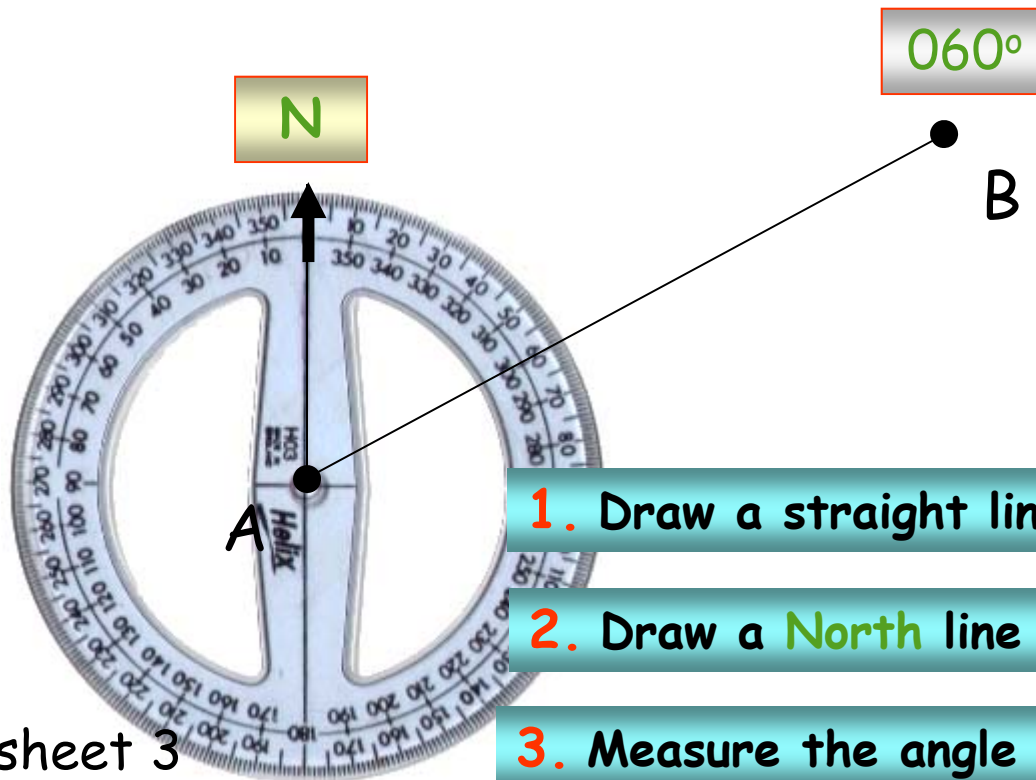




Bearings

Measuring the bearing of one point from another.

To Find the bearing of B from A.



1. Draw a straight line between both points.

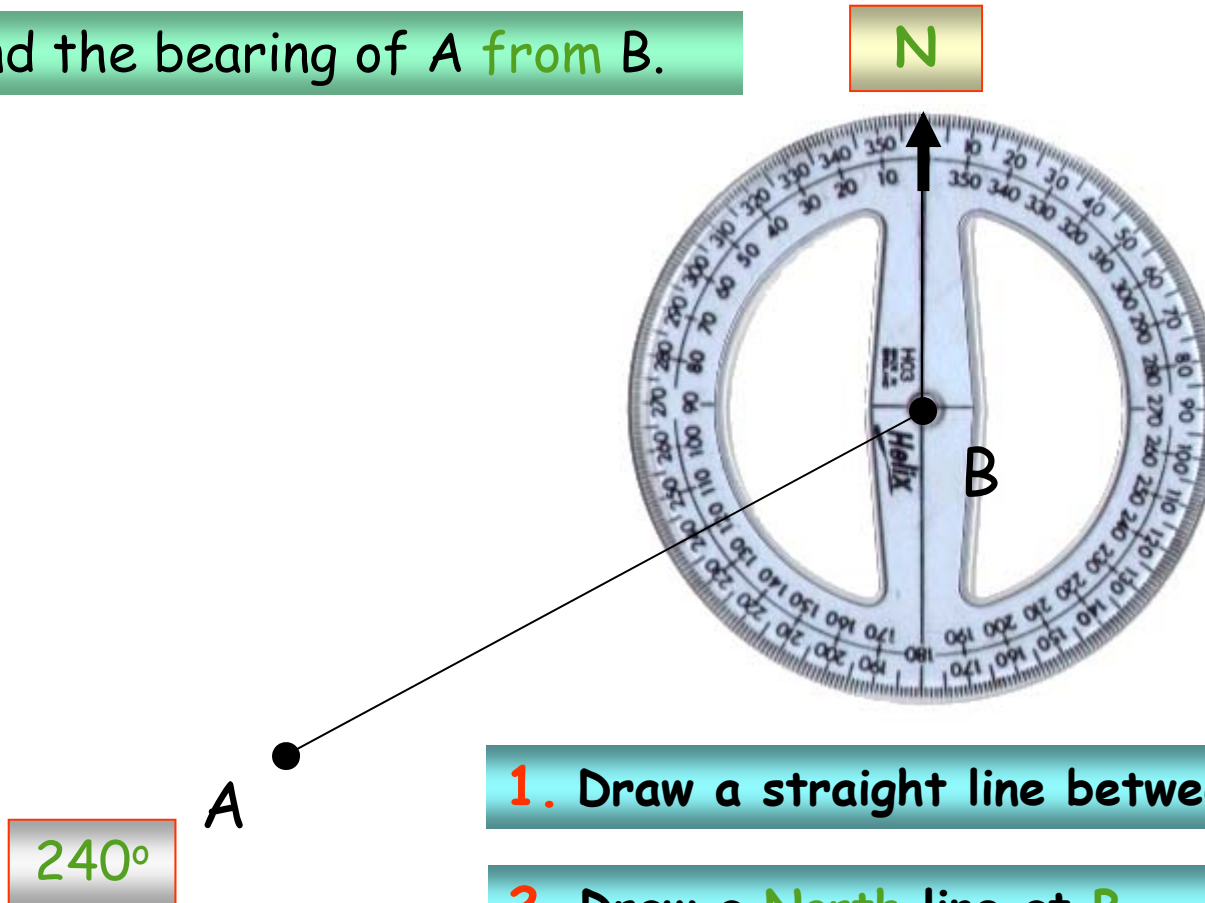
2. Draw a North line at A.

3. Measure the angle between.

Bearings

Measuring the bearing of one point from another.

To Find the bearing of A from B.



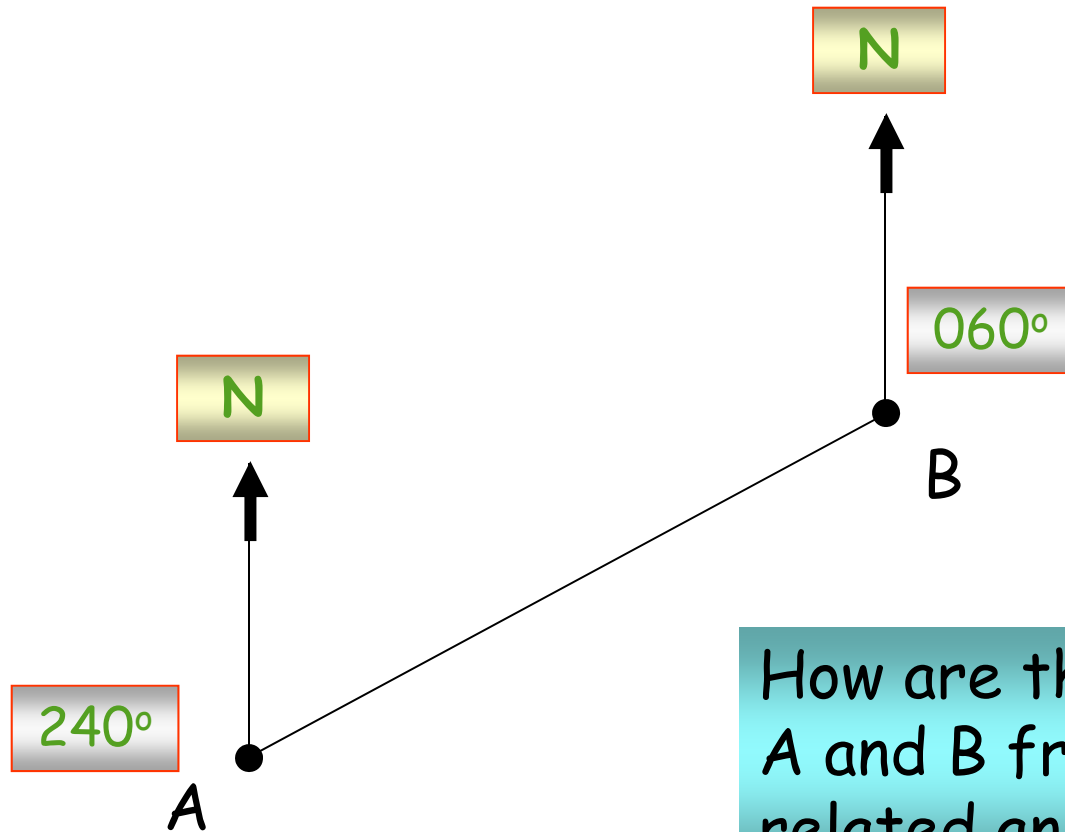
1. Draw a straight line between both points.

2. Draw a North line at B.

3. Measure angle between.

Bearings

Measuring the bearing of one point from another.

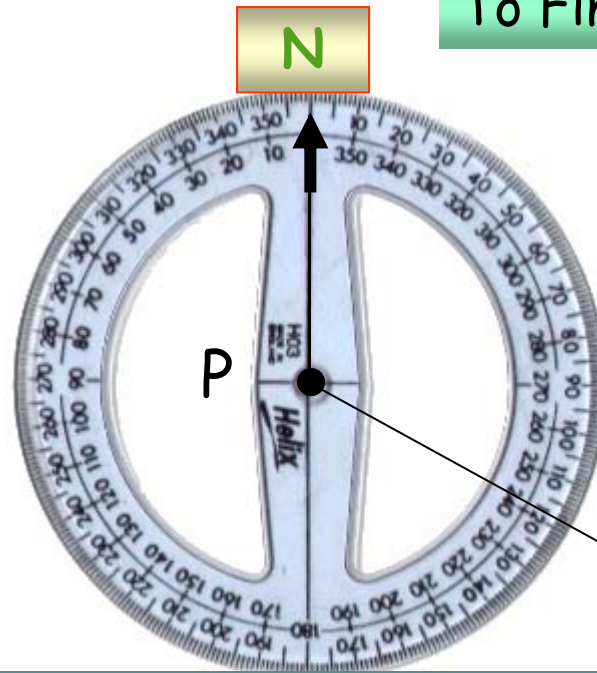


How are the bearings of A and B from each other related and why?

Bearings

Measuring the bearing of one point from another.

To Find the bearing of Q from P.



118°

Q

1. Draw a straight line between both points.

2. Draw a North line at P.

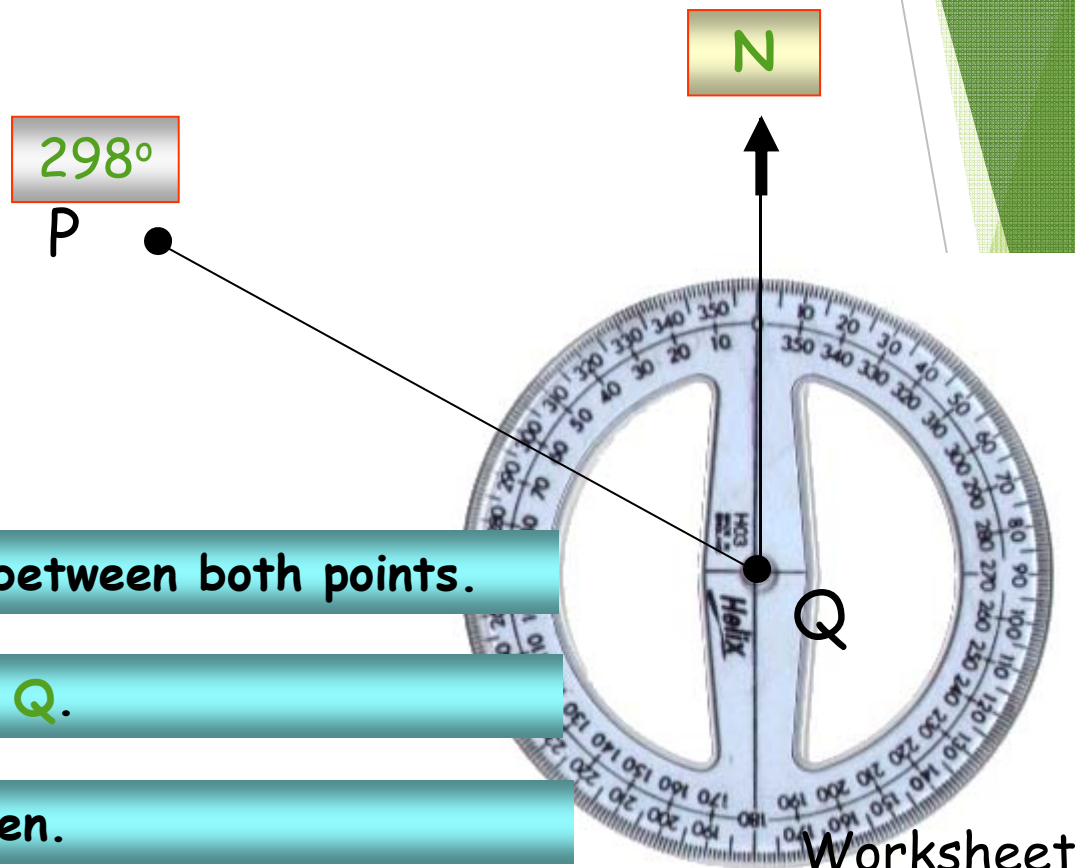
3. Measure angle between.

Worksheet 3

Bearings

Measuring the bearing of one point from another.

To Find the bearing of P from Q.



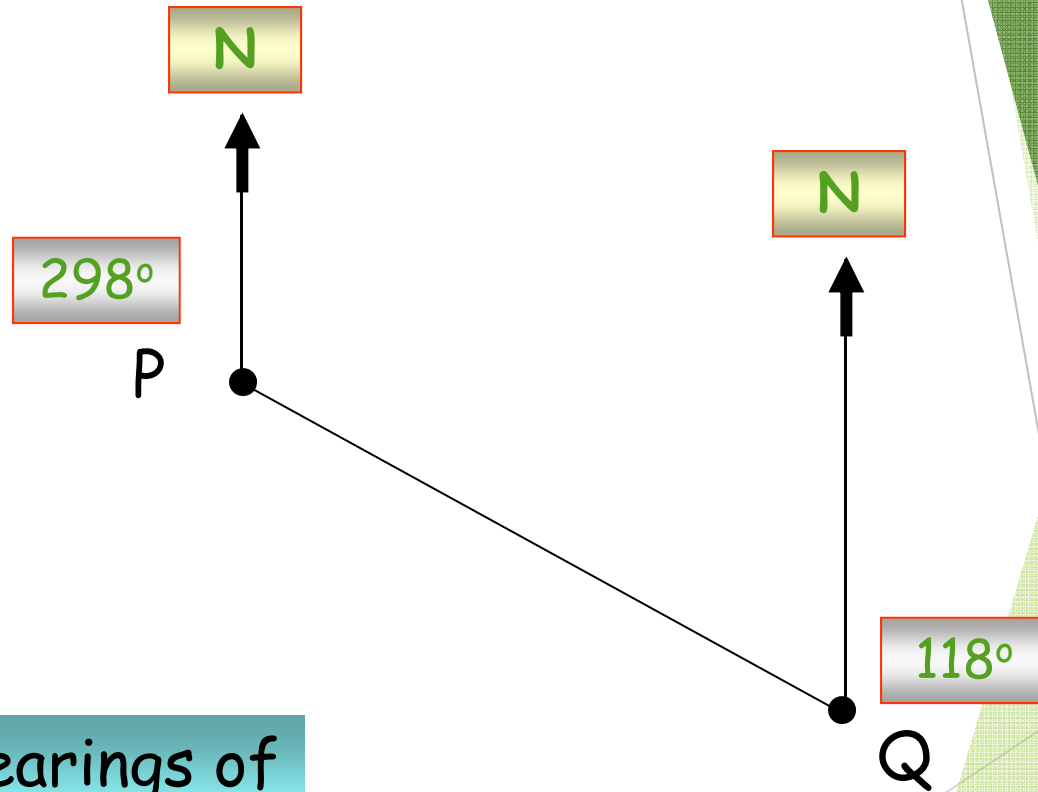
1. Draw a straight line between both points.

2. Draw a North line at Q.

3. Measure angle between.

Bearings

Measuring the bearing of one point from another.



How are the bearings of P and Q from each other related and why?

Worksheet 3

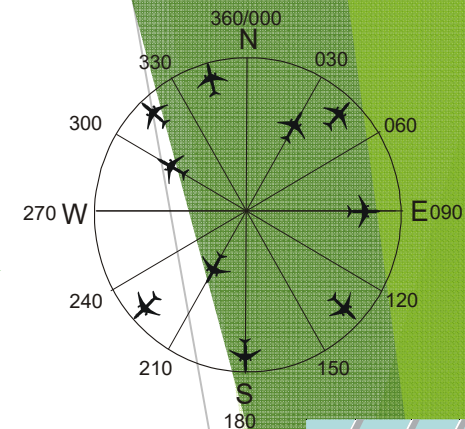
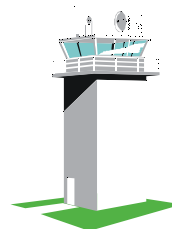
Bearings

Bearings are Measured

1. From North
2. Clockwise
3. Using 3 figures

Find the bearings of the following:

- | | |
|-------------|-------------|
| 1. A from B | 4. M from N |
| 2. C from D | 5. P from Q |
| 3. T from S | 6. V from W |



1

A.

2

D.

3. S.

B.

C.

T

4. M.

5

Q.

6

V.

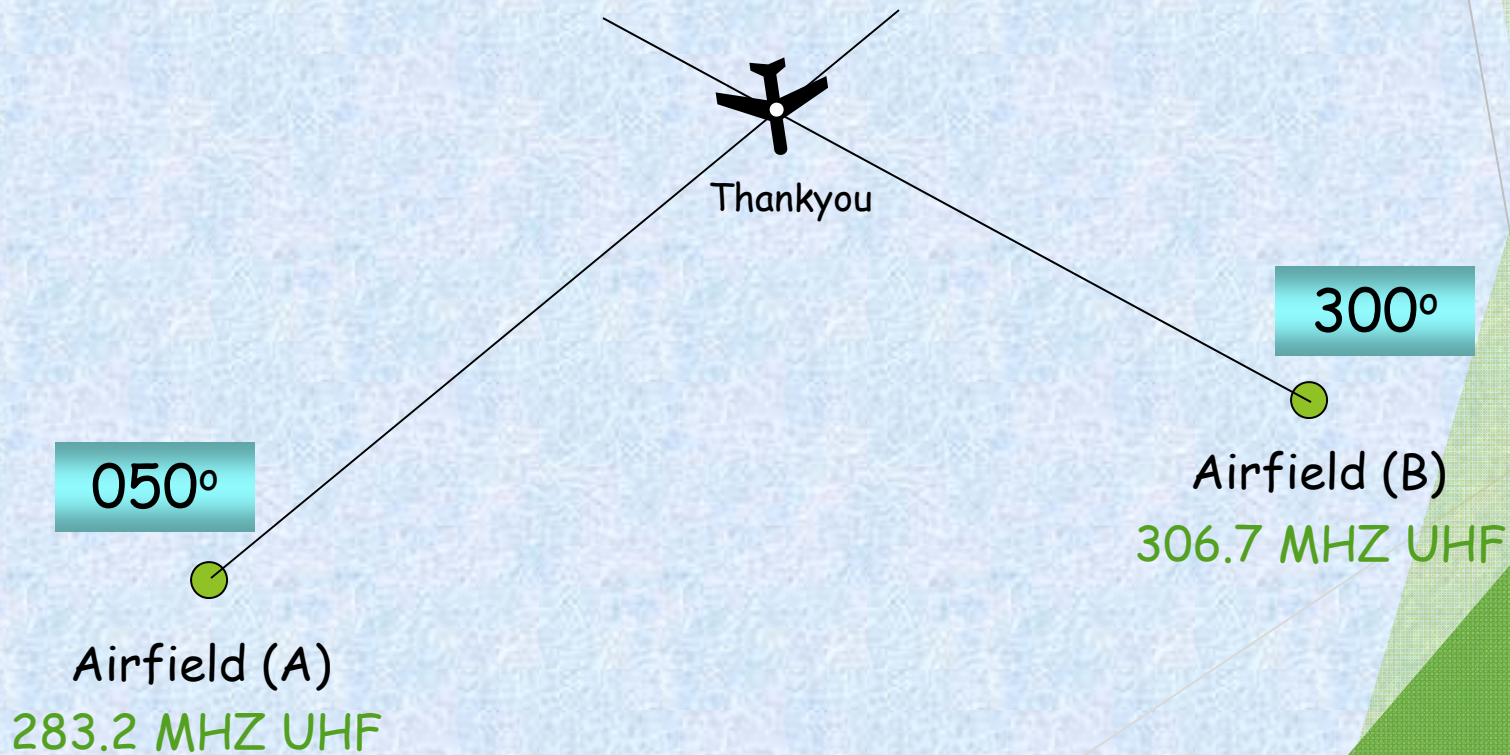
N

P.

W

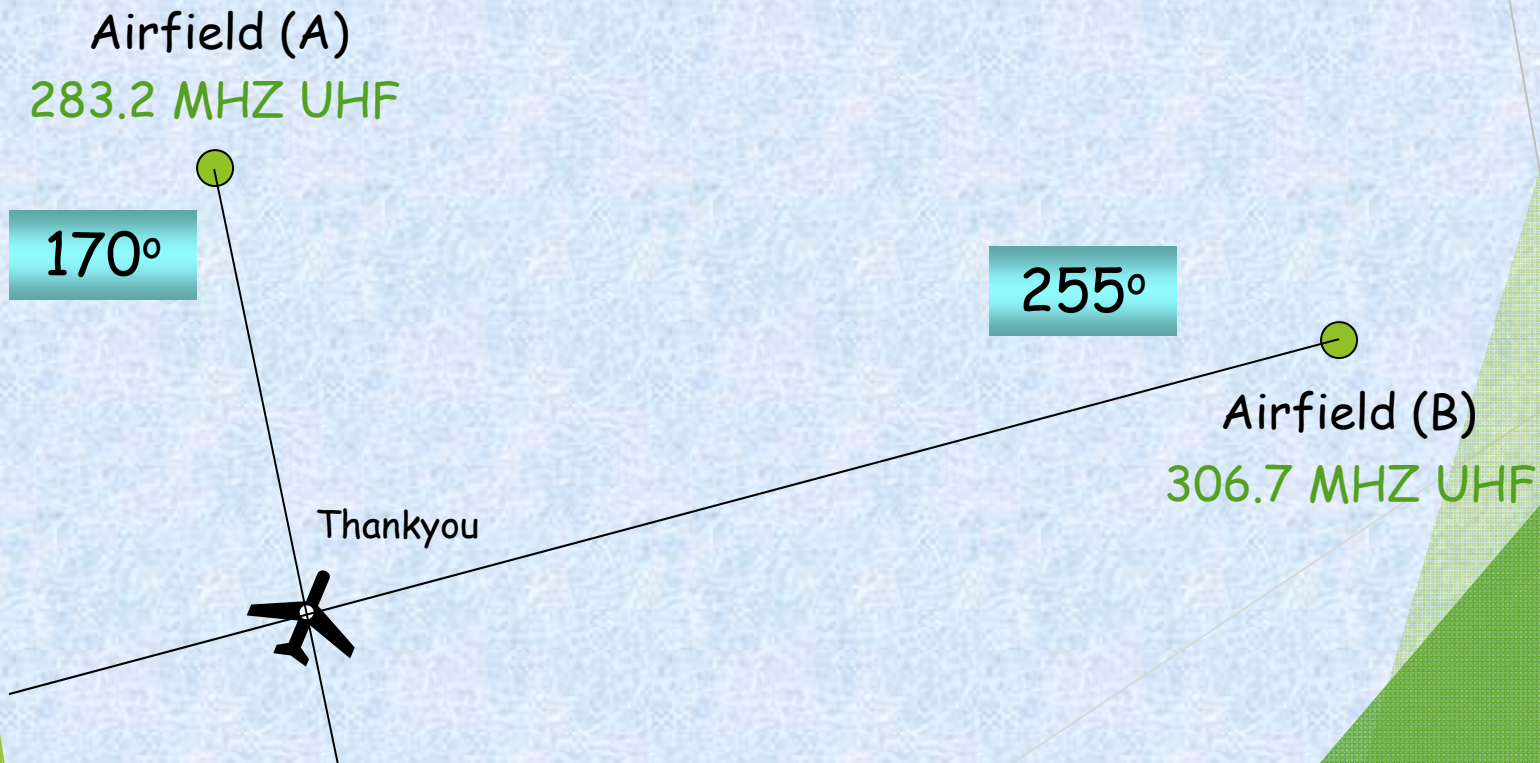
Bearings: Fixing Position

Trainee pilots have to learn to cope when the unexpected happens. If their navigation equipment fails they can quickly find their position by calling controllers at two different airfields for a bearing. The two bearings will tell the pilot where he is. The initial call on the controllers radio frequency will trigger a line on the radar screen showing the bearing of the calling aircraft.



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1. Find the position of a point C , if it is on a bearing of 045° from A and 290° from B .

2. Find the position of a point D if it is on a bearing of 120° from A and 215° from B .

