Maths

Measure the 3-Figure Bearing Between 2 Points and Find a Point When Given a 3-Figure Bearing and Length

Miss Davies

Measure and use bearings

1. Work out the bearing of A from B.   2. Work out the bearing of C from D.

B ˣ

ˣ A

ˣ D

C ˣ

Measure and use bearings

3.

x E

a) Point F is 2 cm from E on a bearing of 098°. Mark the point F.
b) Point G is 3 cm from E on a bearing of 210°. Mark the point G.

4.

Scale
1 cm = 5 miles

x

A boat is 30 miles from the lighthouse on a bearing of 110°.
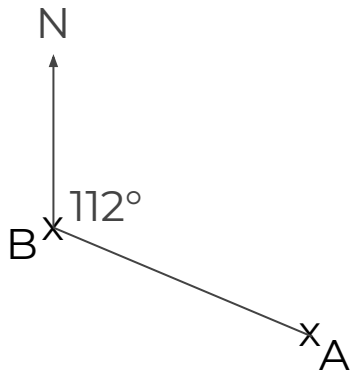
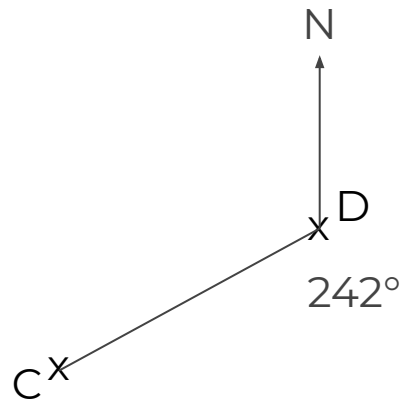Use the scale to show the position of the boat.

Answers

Measure and use bearings
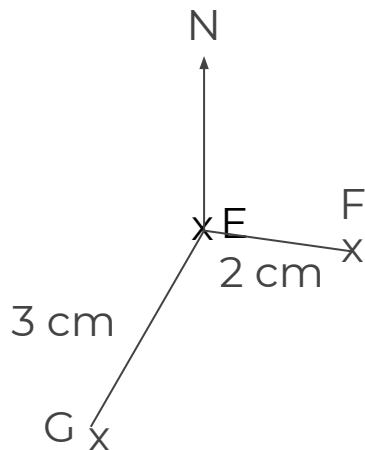
1. Work out the bearing of A from B.

2. Work out the bearing of C from D.

N

B✗ 112°

✗A

N

✗ D

242°

C✗

Measure and use bearings

3.

N

×E   F
      ×
  2 cm

3 cm
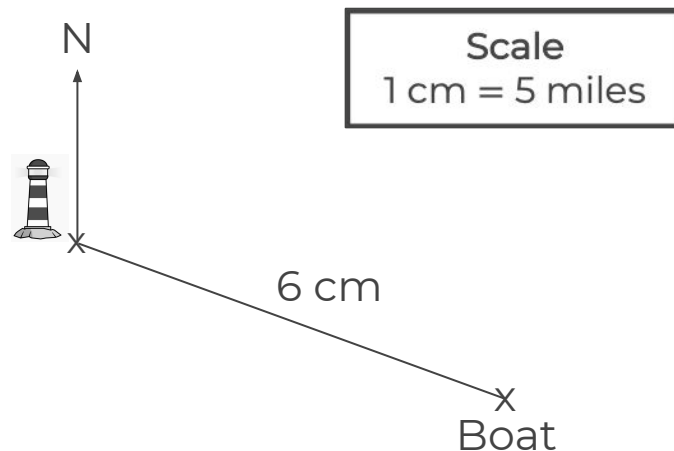
G ×

a) Point F is 2 cm from E on a bearing of 098°. Mark the point F.
b) Point G is 3 cm from E on a bearing of 210°. Mark the point G.

4.

N

Scale
1 cm = 5 miles

×

6 cm

×
Boat

A boat is 30 miles from the lighthouse on a bearing of 110°.

Use the scale to show the position of the boat.