

M6 = 6 days to go!

7 Lewis is visiting a friend who lives 80 miles away.

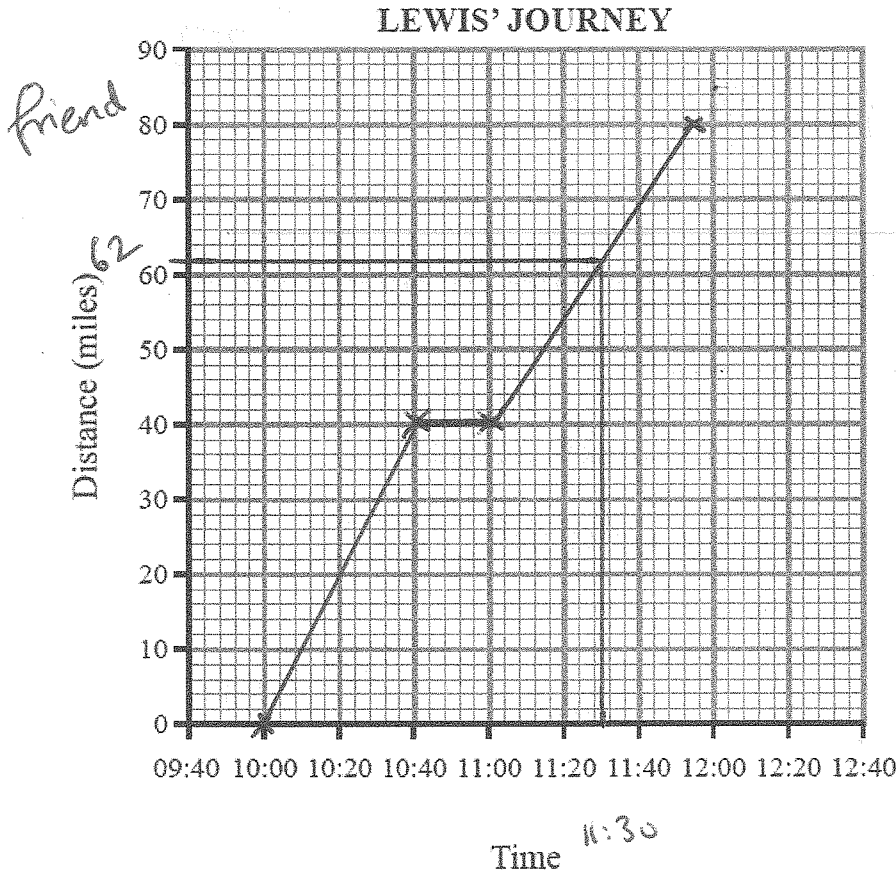
He leaves home at 10 am and drives 40 miles at 60 mph.

He then stops for 20 minutes at a petrol station.

Lewis continues his journey at 45 mph.

(a) Draw Lewis' journey on the travel graph below.

[3]



60 mph

60 miles in 60 mins

40 miles in 40 mins

45 mph

45 miles in 60 mins

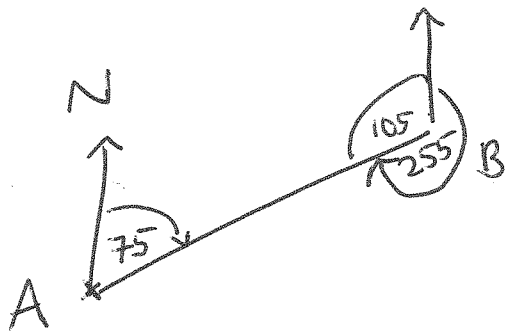
Draw line
until you get
to 80 miles

(b) How far from home was Lewis at 11:30?

Answer 62 miles [1]

16 The bearing of B from A is 075°

What is the bearing of A from B?



from B 255 Answer 255 $^\circ$ [2]

from A means you are at A
3 rules on bearings
• Start from North
• Go clockwise
• 3 digits

3 $\frac{1}{3}$ of all babies born in Northern Ireland last year can expect to live to 90 years of age.

Last year, 24 393 babies were born in Northern Ireland.

How many are expected to live to 90 years of age?

Answer 8131 [2]

$$\frac{1}{3} \text{ of } 24393$$

$$24393 \div 3 = 8131$$