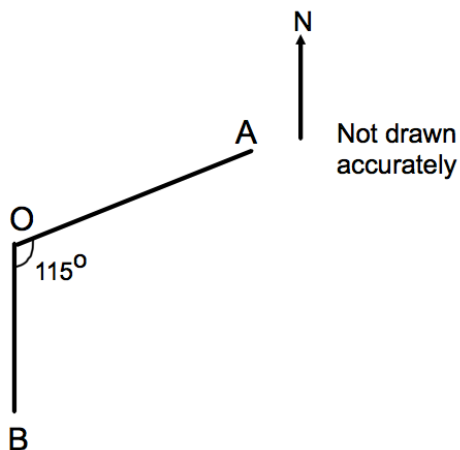Solve $x^2 - 10x + 16 = 0$

A box contains red, white, black and brown cubes. Altogether there are 3500.

The table shows the probability of picking some colours.

Colour	Red	White	Black	Brown
Probability	0.23	0.58	0.03	

Work out how many more red than brown cubes are in the box.

N

A

Not drawn accurately

O

115°

B

Gregory is at O and there are two roads, one towards A and another towards B.
B is due South of O.

Gregory walks towards A.
On what bearing does he walk?

Joshua is at A and walks towards Gregory.
On what bearing does he walk?

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4 schools sent students to a languages course. One of the schools sent both students studying French and German. in the ratio 2:3. The school sent 24 students studying German.

The other 3 schools sent the same number of students.

Work out the total number of students sent to the languages course.