



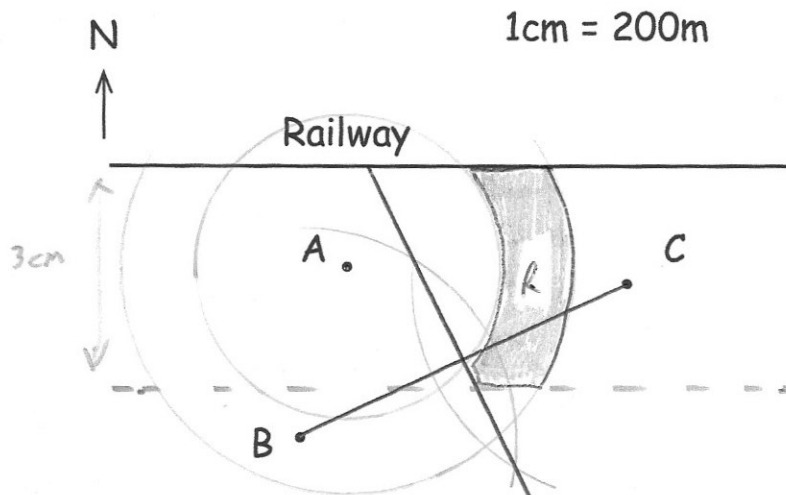
A barrel weighs 400kg to the nearest 10kg. LB 395kg UB 405kg

A lorry can hold 4 tonnes to the nearest 100kg. LB 3950kg UB 4050kg

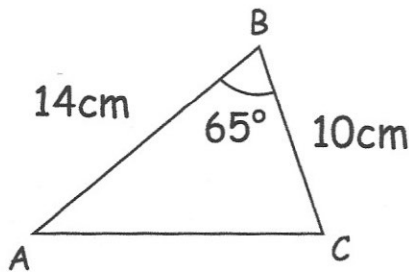
How many barrels can be safely transported?

$$3950 \div 405 = 9.75\dots$$

9 barrels



A windmill can be found less than 600m south of the railway track.
 The windmill is closer to house C than house B.
 The windmill is between 400m and 600m from house A.
 Show where the windmill could be located.



Calculate the area.

$$\frac{1}{2} \times 10 \times 14 \times \sin 65$$

$$63.44 \text{ cm}^2$$

The point A is (5, -2) and the point B is (11, 1).

Find the equation of the line perpendicular to AB passing through the origin.

