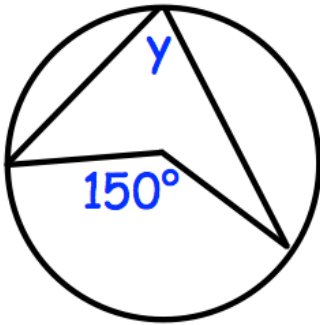


15th November

Corbettmaths

On an airplane, the ratio of men to women is 7:5. The ratio of women to children is 4:3.

Jack says more than half the passengers are men. Is he correct?

Find y

Simplify fully

$$\frac{x^2 - 4x - 12}{x^2 - x - 30}$$

Simplify

$$\sqrt{3} \times \sqrt{3} \times \sqrt{2} \times \sqrt{2}$$

A shop sells two different sizes of rugby ball.



A small rugby ball has a length of 8cm and surface area of 90 cm^2
A large rugby ball has a length of 16cm.
Calculate the surface area of a large rugby ball.