31st January **Higher 5-a-day**

Corbettmaths

The length of a side of an equilateral triangle is 4.52cm, correct to 3 significant figures.

Work out the lowest possible perimeter of the triangle.

4.515×3

$= 13.545\text{cm}$

Simplify

$$\frac{2x^2 - 3x - 20}{x^2 - 16}$$

$\frac{(2x+5)(x-4)}{(x+4)(x-4)}$

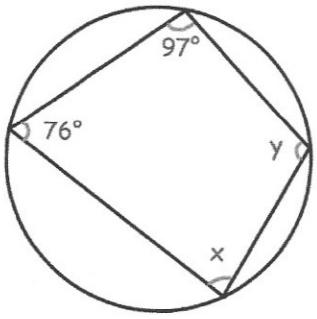
$\frac{2x+5}{x+4}$

Solve $\sqrt{11^2 + 10^2 + 2^2} = \sqrt[3]{8w^3}$

$\sqrt{225} = 2w$

$15 = 2w$

$w = 7.5$



Find x $180 - 97 = 83°$

Find y $180 - 76 = 104°$

Work out $10000^{\frac{3}{4}}$

$\sqrt[4]{10000} = 10$

$10^3 = 1000$