Name: _____ 5-a-day Higher Plus

16th September

Corbettmaths

A solid metal sphere has a radius of 4cm, correct to the nearest centimetre.
Mass of the sphere is 720cm³, correct to two significant figures.

Work out the greatest possible density of the metal.
Give your answer to three significant figures.

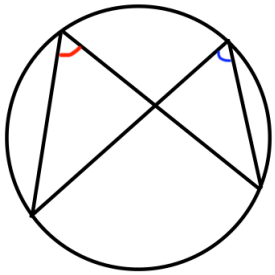
The histogram shows the weights of 700 dogs.

Calculate an estimate of the median.

Calculate an estimate of the upper quartile.

Write $x^2 + 8x + 17$ in the form $(x + a)^2 + b$

Find the coordinates of the turning point of $y = x^2 + 8x + 17$



Prove the angles in the same segment are equal.

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