

TRIAL & IMPROVEMENT PPQ's

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Explain why $5x^3 + 2x^2 + x = 20$ has a solution between $x = 1.4$ and $x = 1.5$. Show all your calculations.

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A solution to the equation $x^3 + x - 1 = 0$ lies between 0 and 1.
Use the method of trial and improvement to find this solution correct to one decimal place.

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A solution to the equation

$$x^3 + 3x - 8 = 0$$

lies between 1.5 and 1.6.

Use the method of trial and improvement to find this solution correct to two decimal places.

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A solution of the equation $x^3 + 2x - 5 = 0$ lies between $x = 1$ and $x = 2$. Find this solution giving your answer correct to one decimal place.

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