

**22nd June**

Corbettmaths

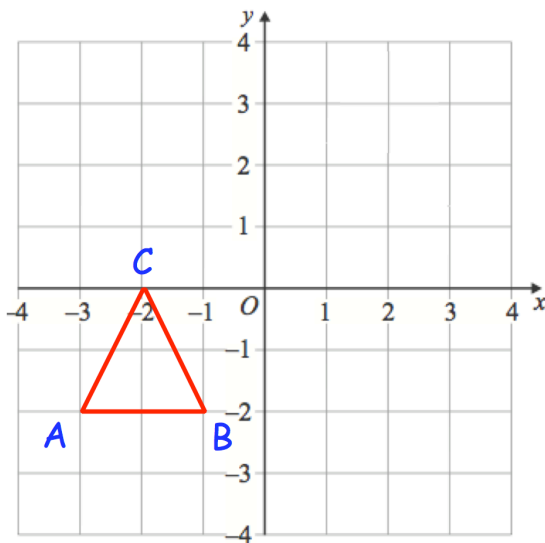
Simplify

$$\frac{x+3}{x^3} \times \frac{x^7}{x+6} \div \frac{x^2}{5x+30}$$

A and B are similar cuboids

surface area of A : surface area of B  
= 9 : 25

Work out volume of A : volume of B



Describe a single transformation where point B is invariant and points A and C are not invariant.

Calculate the perimeter of triangle ABC

How many odd numbers less than 50000 can be created using the digits

1 2 5 7 8 9

using each digit once?