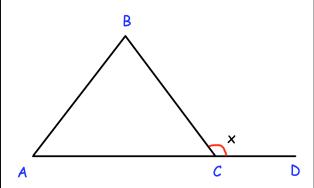
17th June

Higher Plus 5-a-day





ABC is an isosceles triangle.

AB = BC

ACD is a straight line.

Angle BCD $= x^{\circ}$

Prove angle ABC = $(2x - 180)^{\circ}$

Write 32 in the form 8^n

$$f(x) = \frac{kx + 2}{4}$$
$$g(x) = 2x + 5$$

Given fg(4) = -9.25

Work out the value of k

How many odd numbers greater than 40,000 can be created using these digits

1 2 6 7 8

using each digit only once.