



2. What is the sum of all the solutions of the equation  $6x = \frac{150}{x}$ ?

A 0

B 5

C 6

D 25

E 156

1572



©UKMT

- 
2. A Rearranging  $6x = \frac{150}{x}$  gives  $x^2 = \frac{150}{6}$ , so  $x^2 = 25$ . This has two solutions,  $x = 5$  and  $x = -5$ . Therefore the sum of the solutions is  $5 + (-5) = 0$ .