Target 6 Sheet 02C

BossMaths

Question 1

Find the value of $125^{-\frac{2}{3}}$.

Question 2

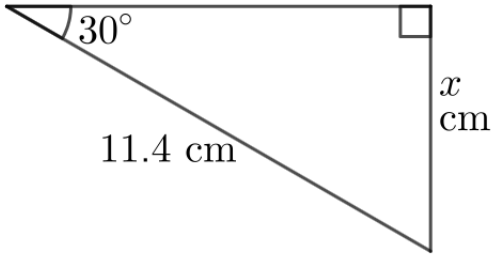
There are three LEDs on a circuit board. One flashes every 5 seconds, another every 8 seconds, and the third every 11 seconds. They start flashing at the same time. How long till they next flash together?

Question 3

The perimeter of a right-angled triangle is 150 cm. The lengths of its sides are in the ratio $5 : 12 : 13$. Find the area of the triangle.

Question 4

Without using a calculator, find x.



Target 6 Sheet 02C

Question 1

Find the value of $125^{-\frac{2}{3}}$.

$\frac{1}{25}$

Question 2

There are three LEDs on a circuit board. One flashes every 5 seconds, another every 8 seconds, and the third every 11 seconds. They start flashing at the same time. How long till they next flash together?

440 seconds
or 7 minutes 20 seconds

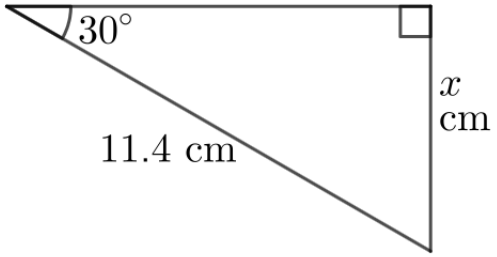
Question 3

The perimeter of a right-angled triangle is 150 cm. The lengths of its sides are in the ratio 5 : 12 : 13. Find the area of the triangle.

750 cm^2

Question 4

Without using a calculator, find x.



$x = 5.7$