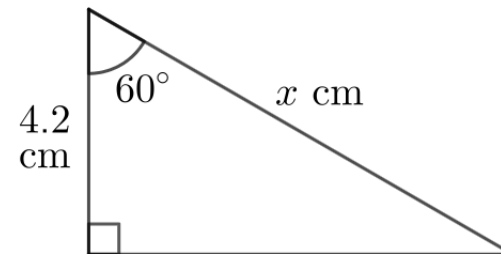## Question 1

Find the value of 2^{-7}.

Question 2

There are three LEDs on a circuit board. One flashes every 6 seconds, another every 10 seconds, and the third every 7 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 120 cm. The lengths of its sides are in the ratio 8 : 15 : 17. Find the area of the triangle.

Question 4

Without using a calculator, find x.

4.2 cm, 60°, x cm

Question 1

Find the value of 2^{-7}.

$\dfrac{1}{128}$

Question 2

There are three LEDs on a circuit board. One flashes every 6 seconds, another every 10 seconds, and the third every 7 seconds. They start flashing at the same time. How long till they next flash together?

210 seconds
or 3 minutes 30 seconds

Question 3

The perimeter of a right-angled triangle is 120 cm. The lengths of its sides are in the ratio 8 : 15 : 17. Find the area of the triangle.

540 cm^2

Question 4

Without using a calculator, find x.

60°

4.2 cm

x cm

$x = 8.4$