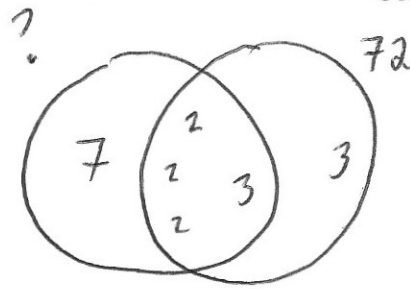




The HCF of two numbers is 24.
The LCM of the two numbers is 504.
One of the numbers is 72.

Find the other number

168



Work out

$$(3 \times 10^6)^3 = 27 \times 10^{18}$$

$$= 2.7 \times 10^{19}$$

A is inversely proportional to B cubed.

$$A \propto \frac{1}{B^3}$$

When A = 250, B = 5.

Find A when B = 3.

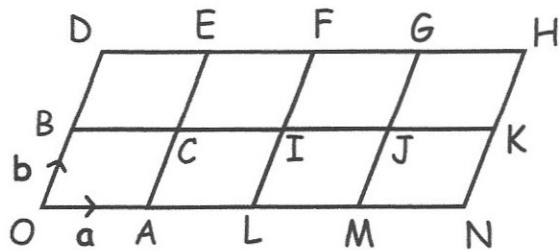
$$A = \frac{k}{B^3}$$

$$250 = \frac{k}{5^3}$$

$$k = 31250$$

$$A = \frac{31250}{8^3}$$

$$A = \frac{31250}{27} = 1157.4074$$



Find in terms of a and b

$$\vec{OK} = 4a + b$$

$$\vec{KO} = -4a - b$$

The perimeter of sector OAB is 59cm.
Find the area of the sector OAB.

$$\frac{x}{360} \times \pi \times 36 = 23$$

$$x = 73.21 \dots$$

$$\frac{73.21 \dots}{360} \times \pi \times 18^2 = 207 \text{ cm}^2$$

