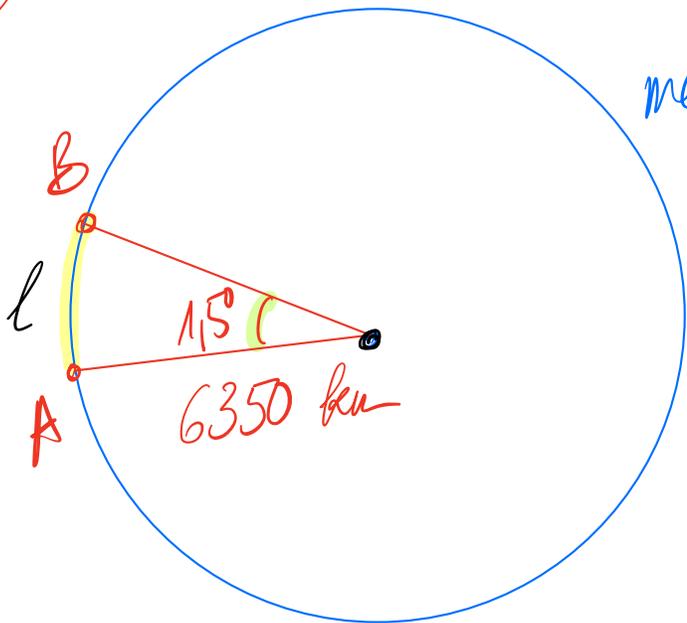


12.8

méridien en coupe

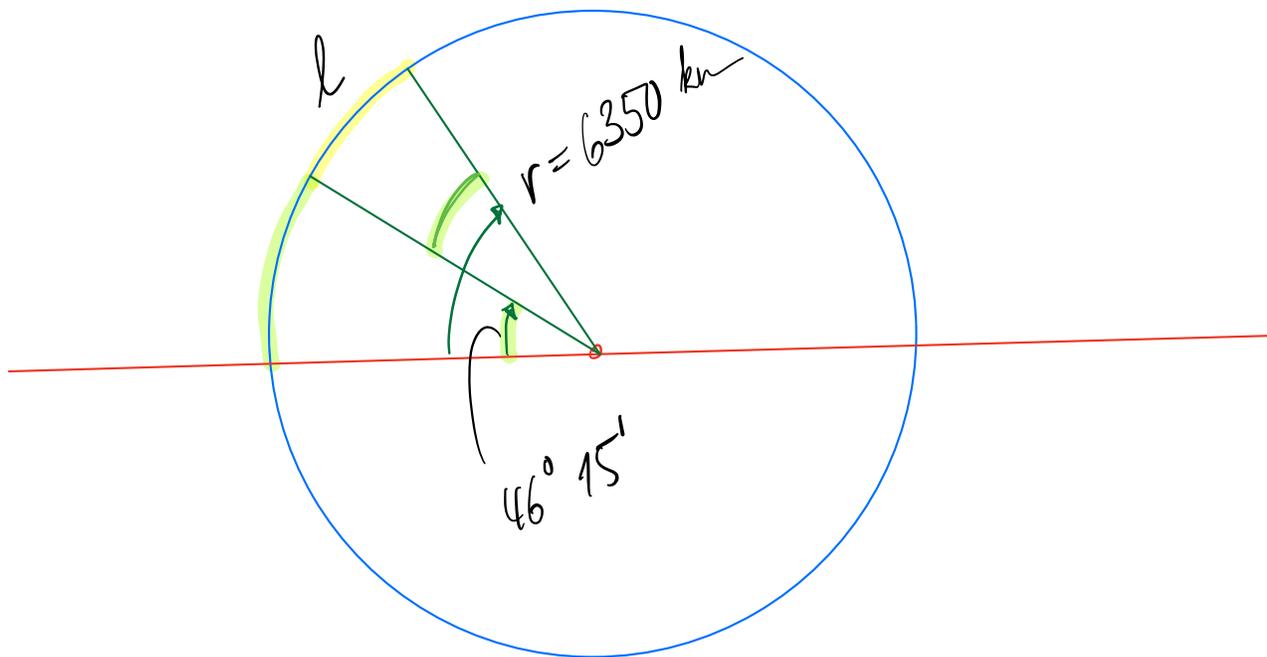


$$\frac{l}{2\pi r} = \frac{\alpha}{360}$$

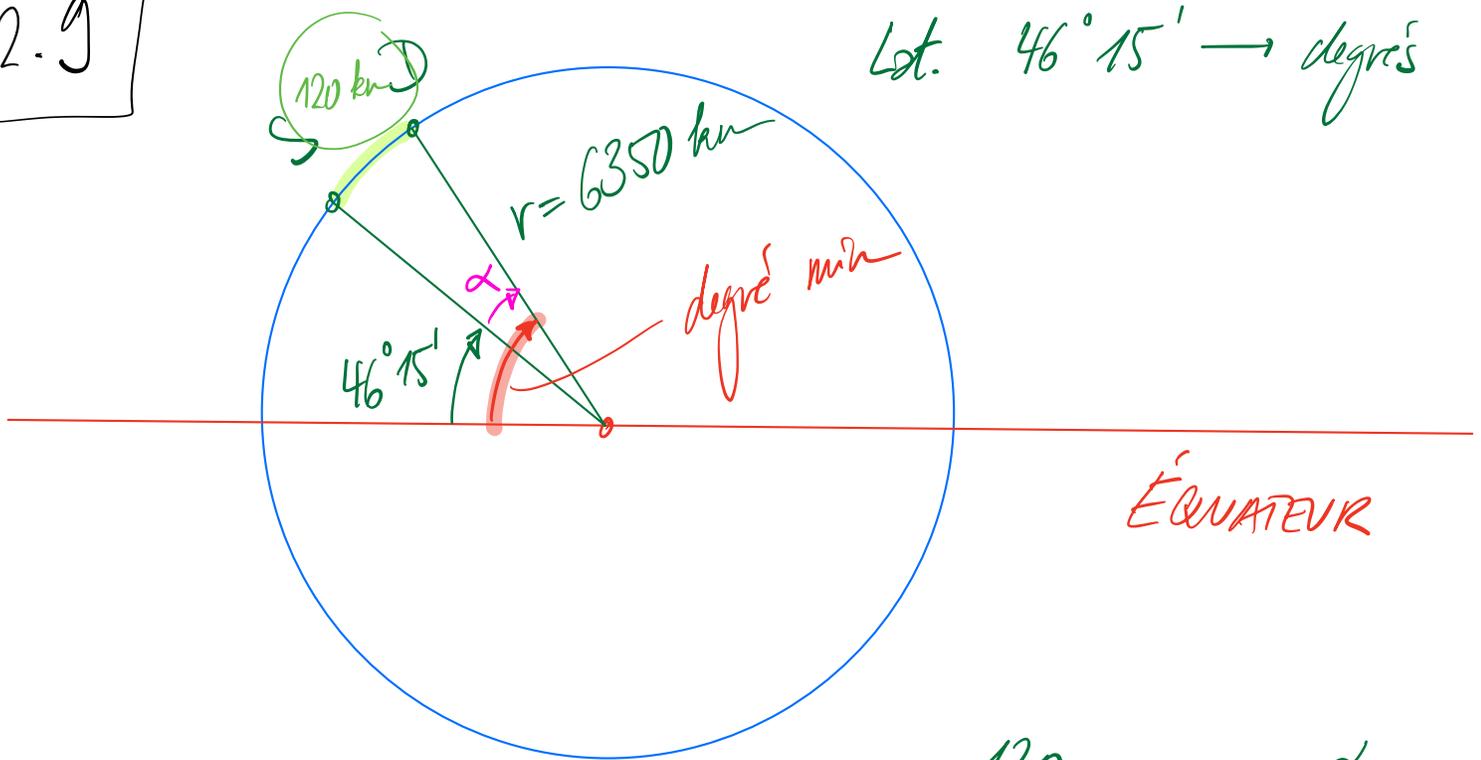
$$l \approx 166,2 \text{ km}$$

Règle de 3

$$\frac{l}{2 \cdot \pi \cdot 6350} = \frac{1,5}{360}$$



12.9

Lat. $46^{\circ} 15'$ \rightarrow degrés

$$46^{\circ} 15' \rightarrow 46,25^{\circ}$$

$$\frac{120}{2\pi \cdot 6350} = \frac{\alpha}{360}$$

15	?
60	1

$$\alpha = \frac{120 \cdot 360}{2\pi \cdot 6350}$$

$$\alpha \approx 1,08^{\circ}$$

$$\Rightarrow 47,33$$

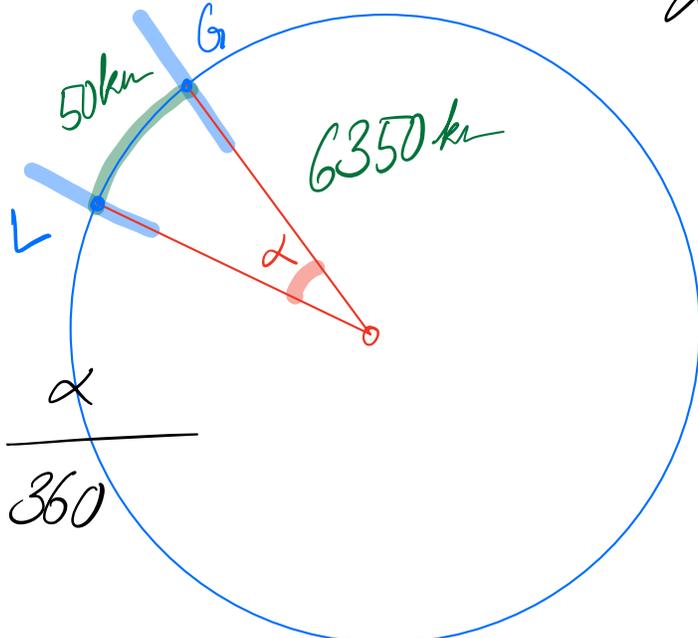
 \rightarrow

$$47^{\circ} 20'$$

$$47^{\circ}$$

0,33	19,8
1	60

12.10



$\alpha \approx 0,45 \dots$

$$\frac{50}{2 \cdot \pi \cdot 6350} = \frac{\alpha}{360}$$

$$\alpha = \frac{50 \cdot 360}{2 \cdot \pi \cdot 6350} \approx 0,45114787$$

0,45	?	min
1	60	

		sec.
1	60	

$\alpha = 0^\circ 27' 4''$

0,45114787	
1	60

0,06887221	
1	60