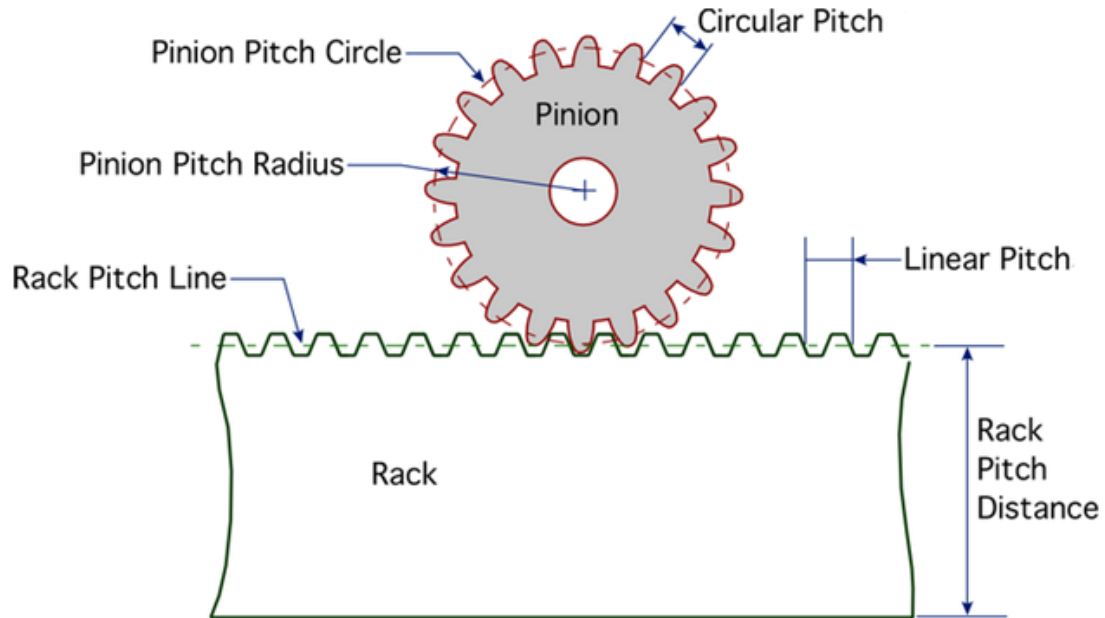


**Make your calculations for your own design**



<b>Number of teeth on the pinion (Z)</b>	<b>Pinion Pitch Circle (module)</b>	<b>Physical diameter of the gear (d)</b>	<b>Linear Pitch (p)</b>
Keep this number under 18.	m = defines how big or small the gear is	$d = m \cdot z$	Linear distance between the teeth of the rack. $p = \pi \cdot m$

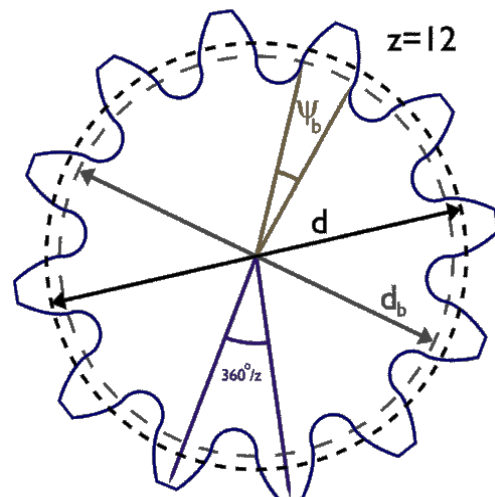
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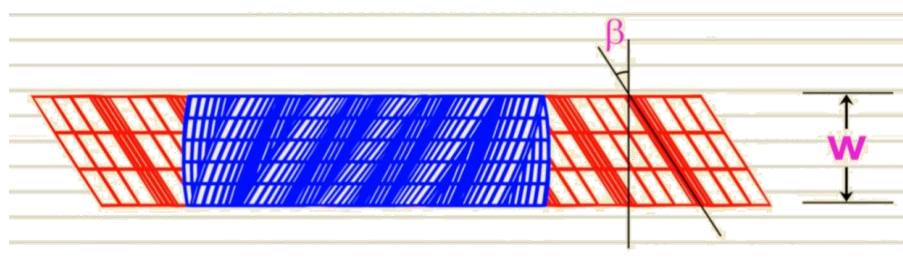
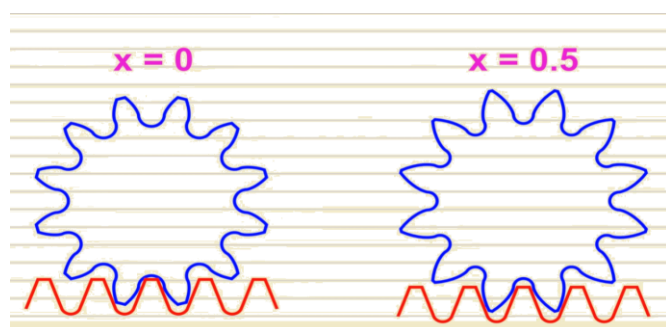
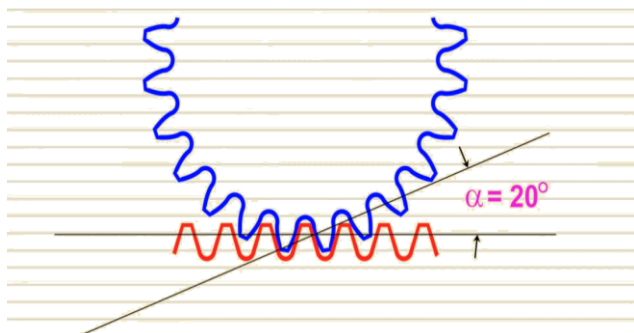
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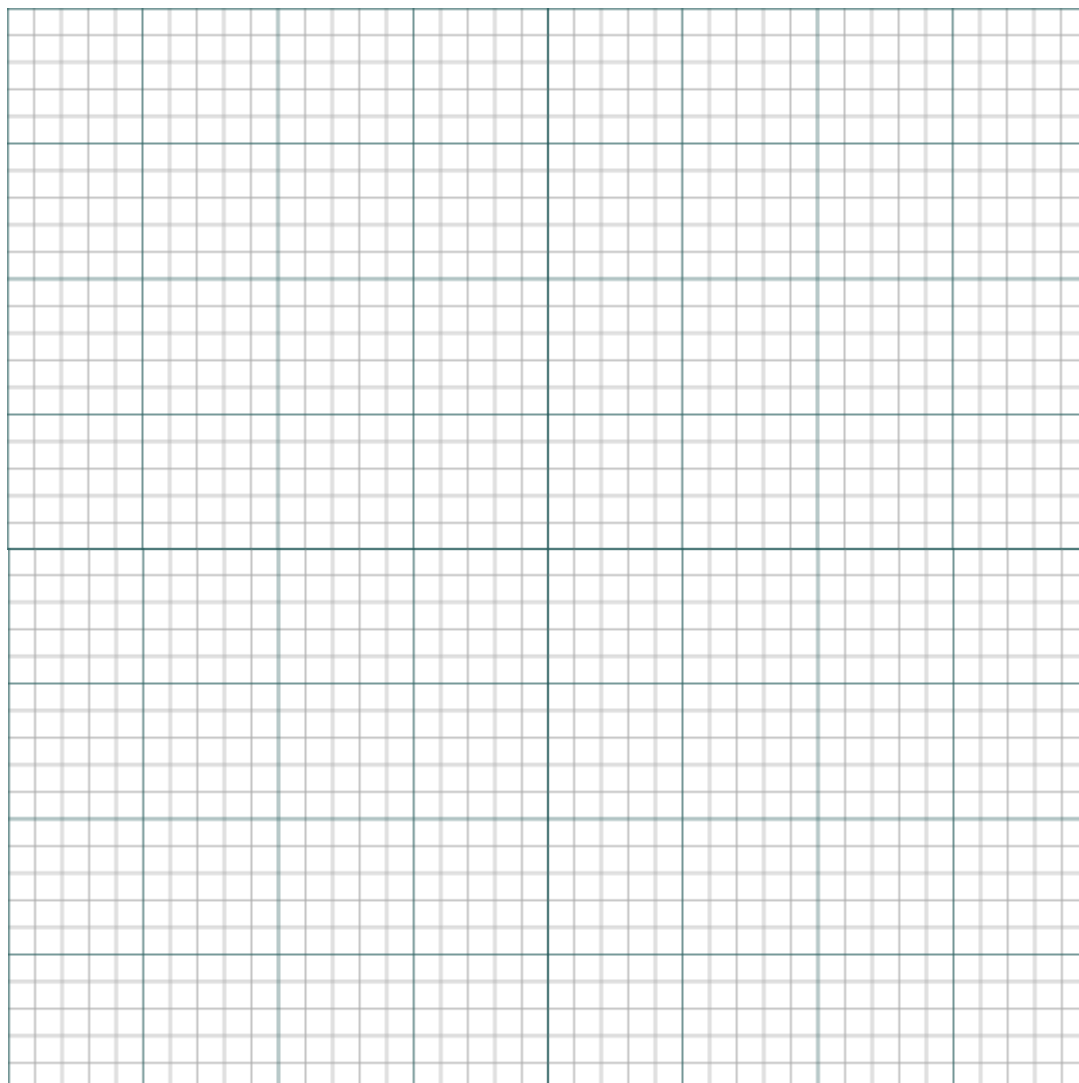


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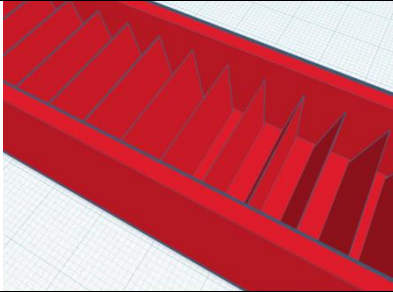

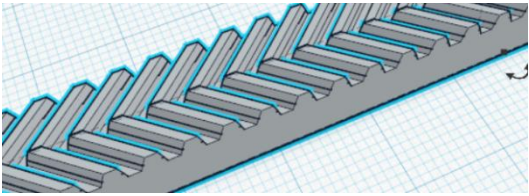
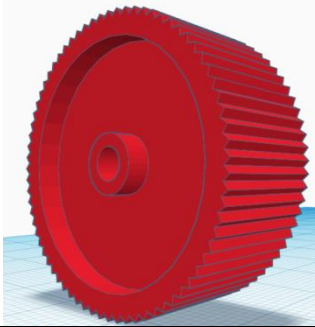

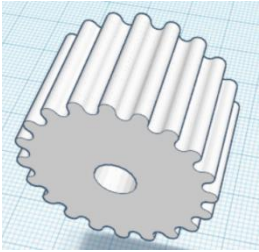
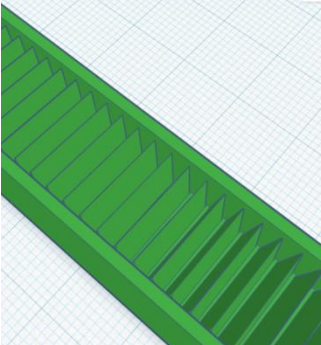
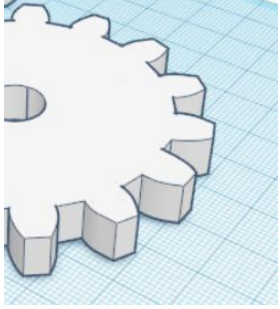


<http://www.otvinta.com/rack.html>

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	Racks		Pinions
1		A	
2		B	
3		C	
4		D	

Match pinions and racks. Which pair would you design and print?