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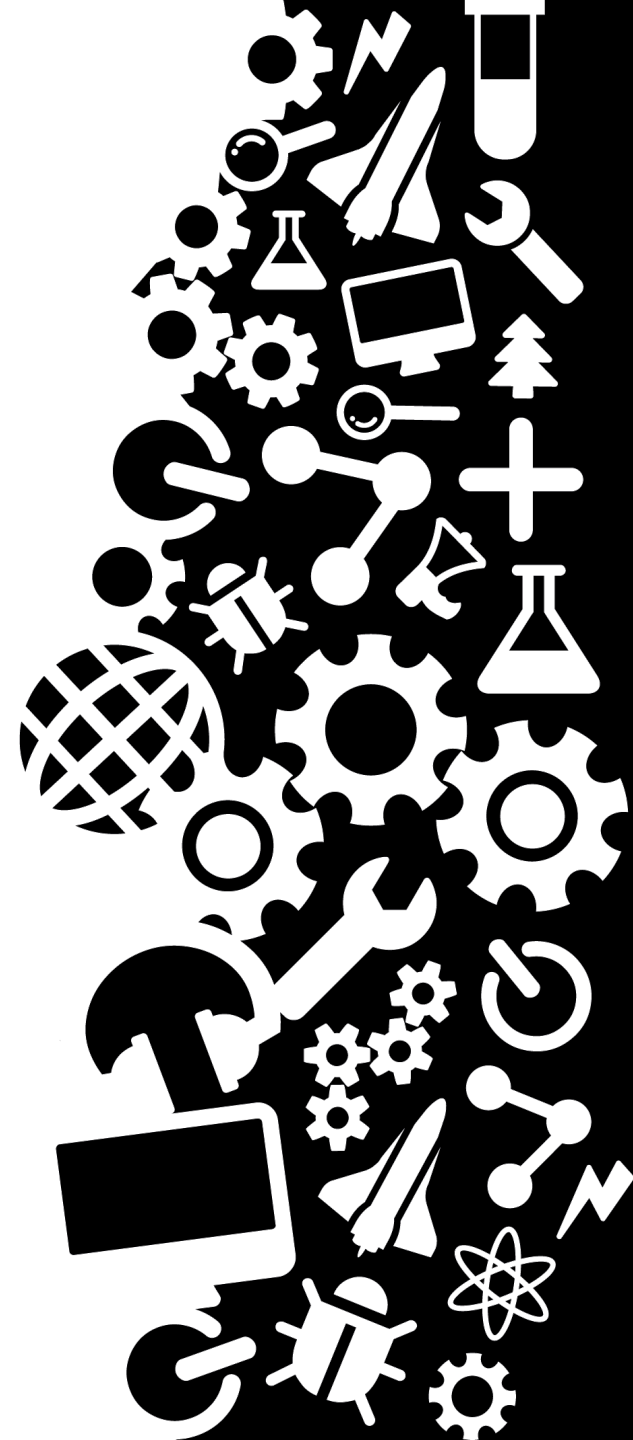
Gears Workshop

developed by:
nustem

 **northumbria**
UNIVERSITY NEWCASTLE



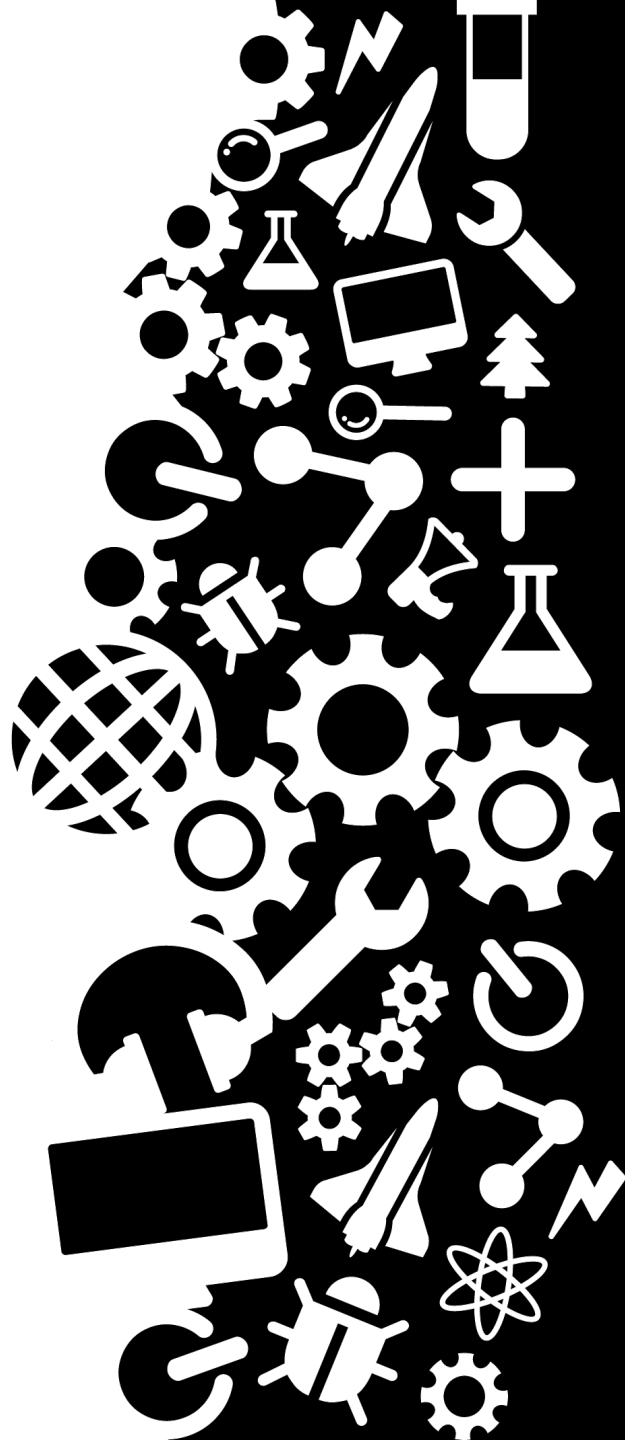
What do you know about gears?



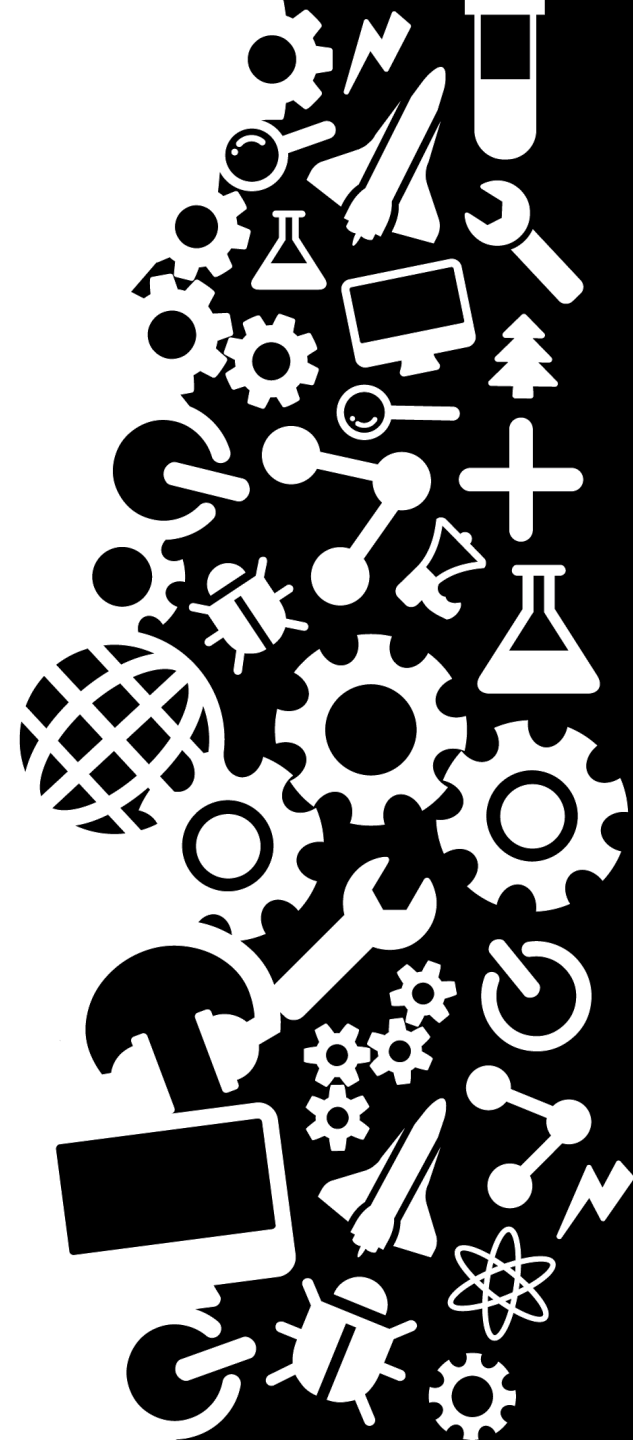
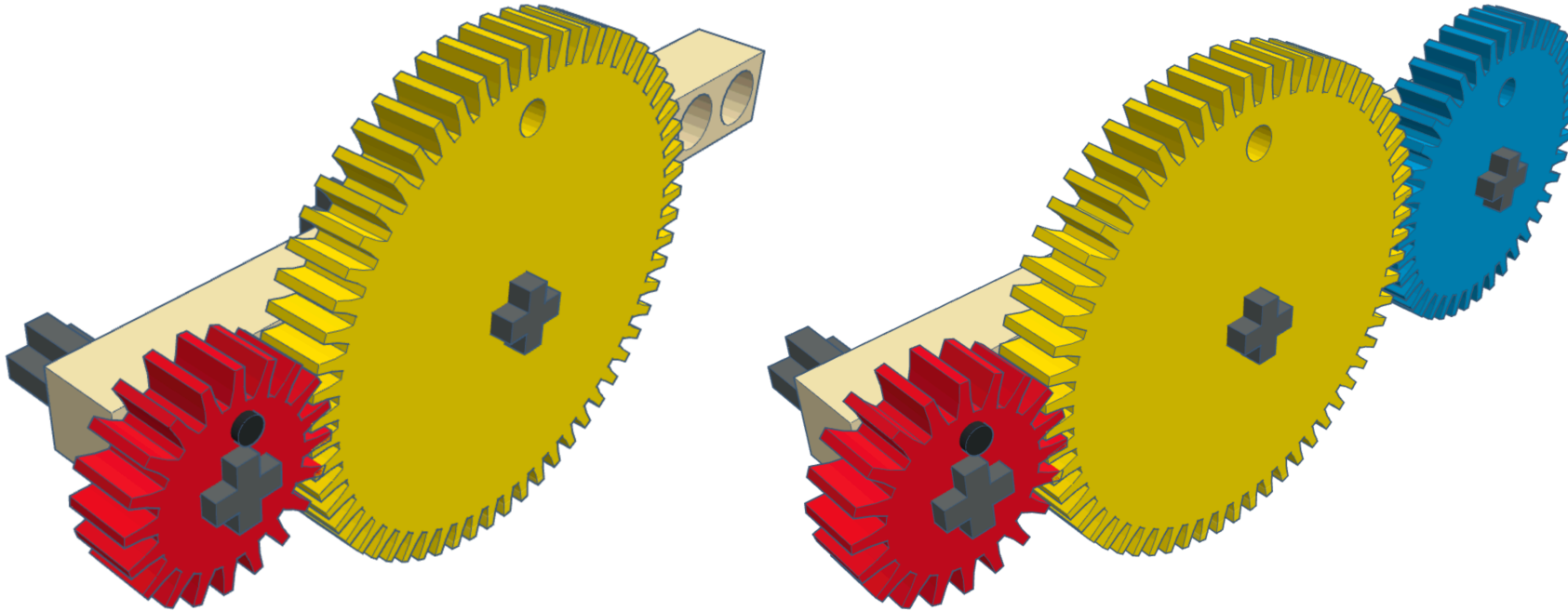




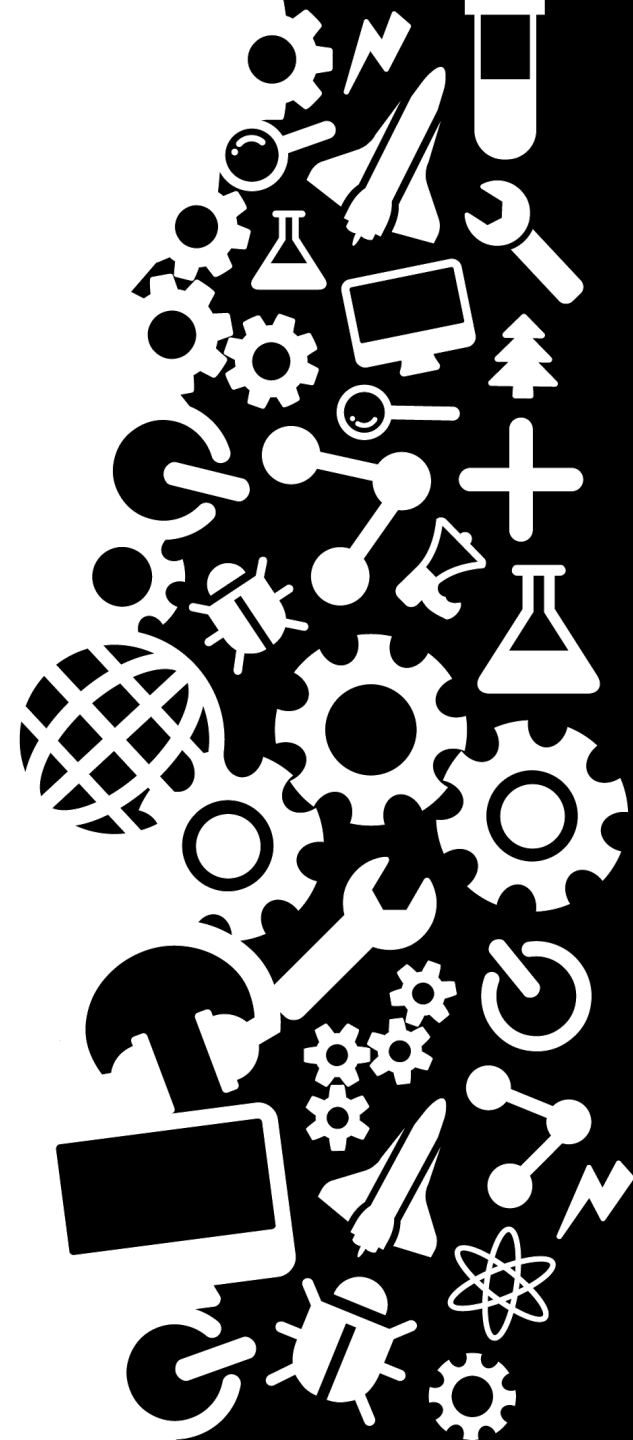
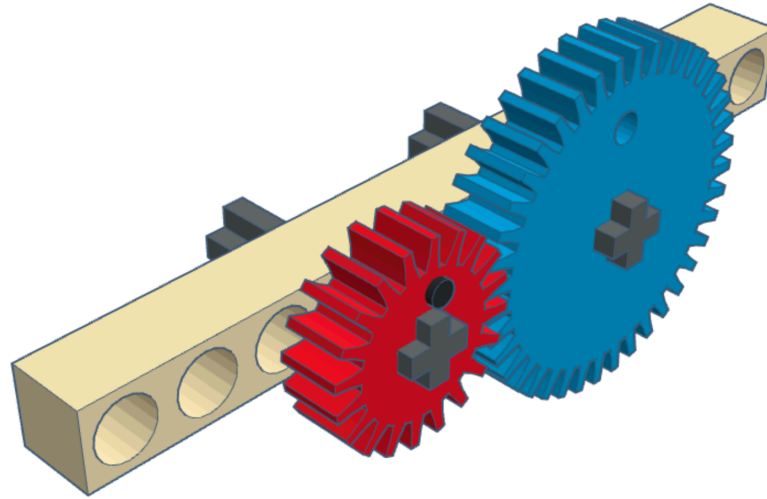
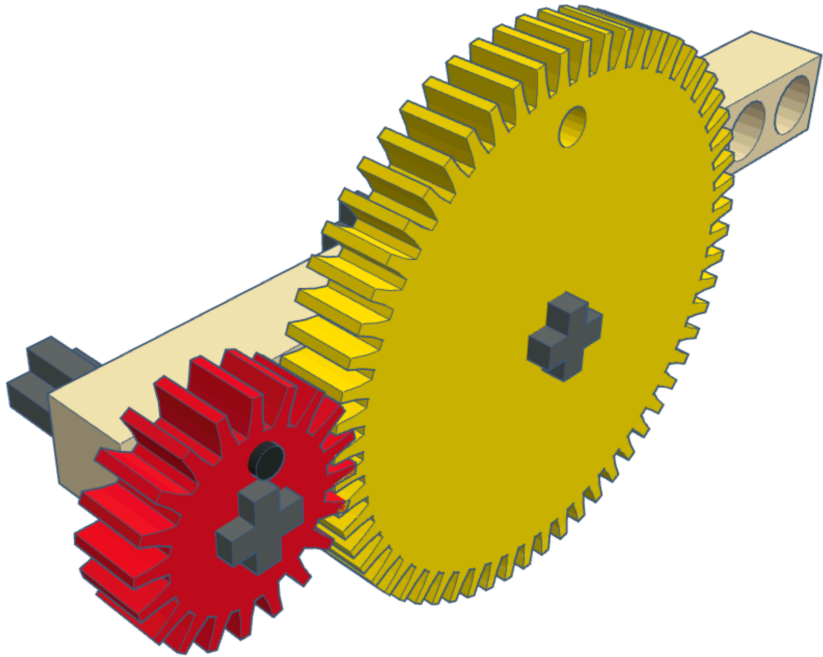


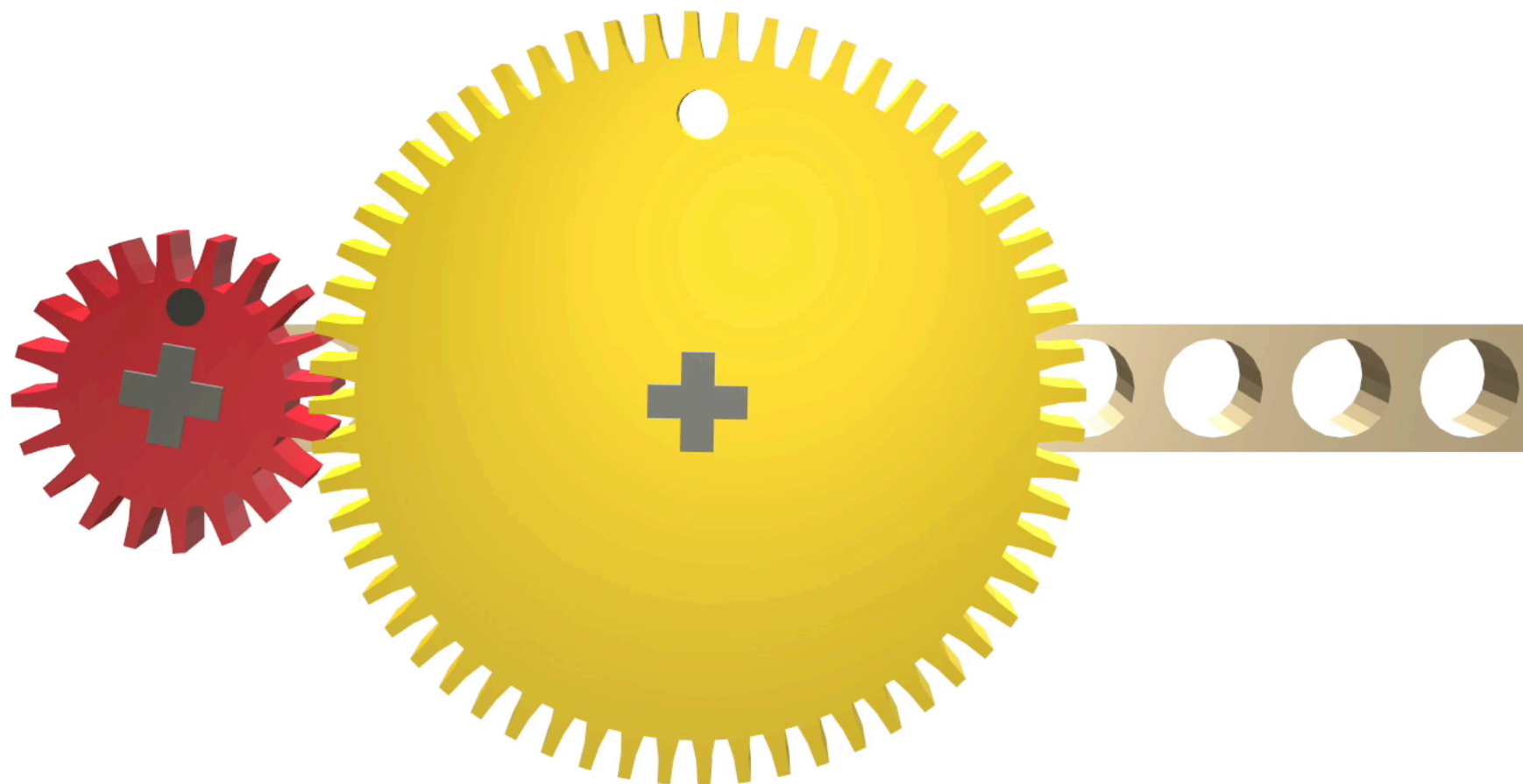


Let's explore how gears work

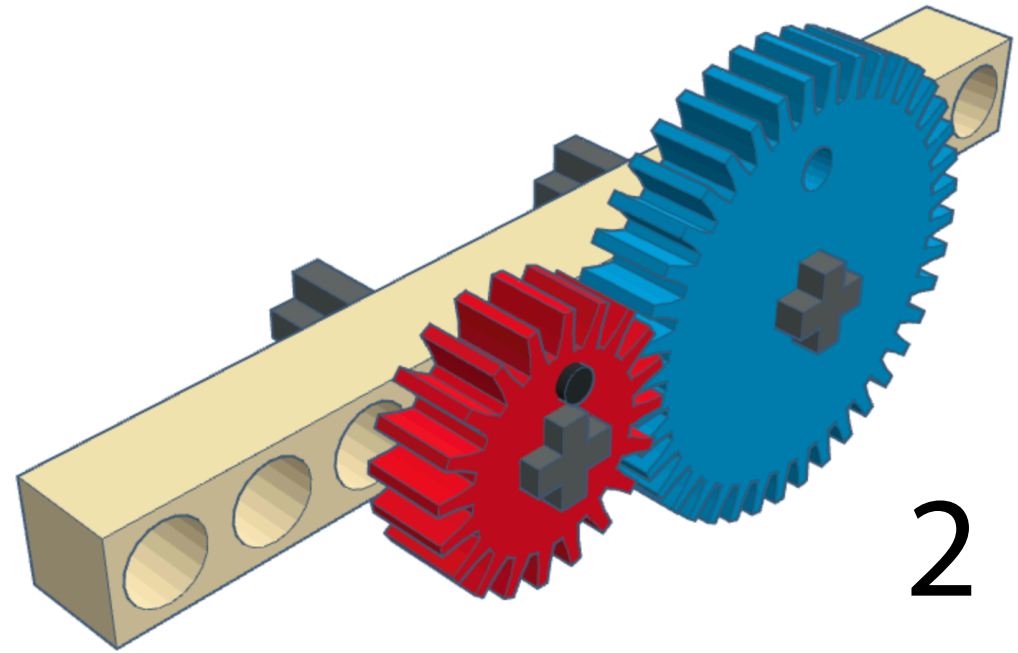
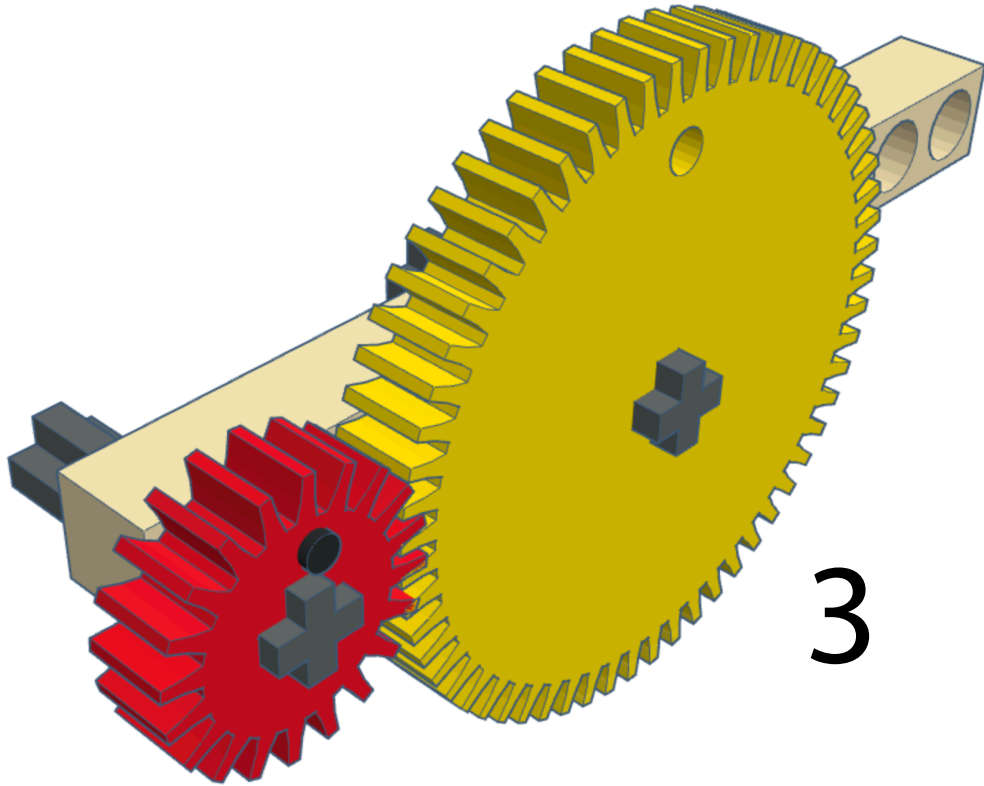


Building a gear train

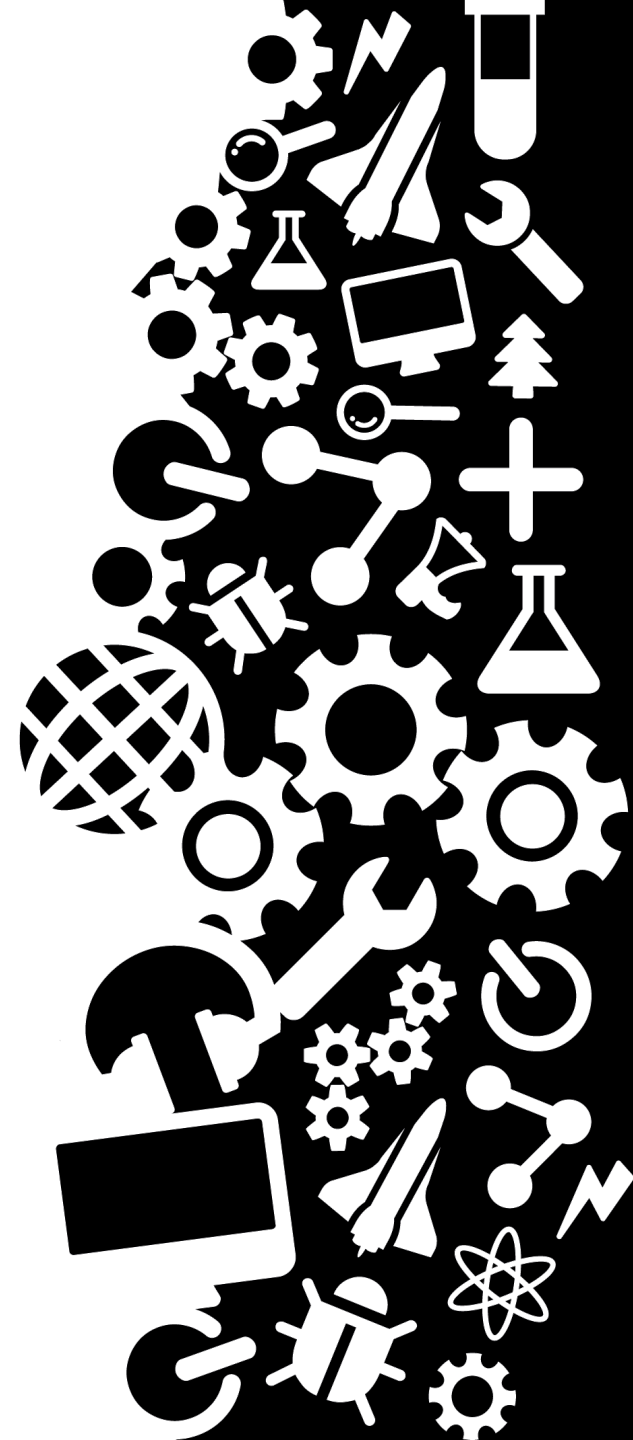


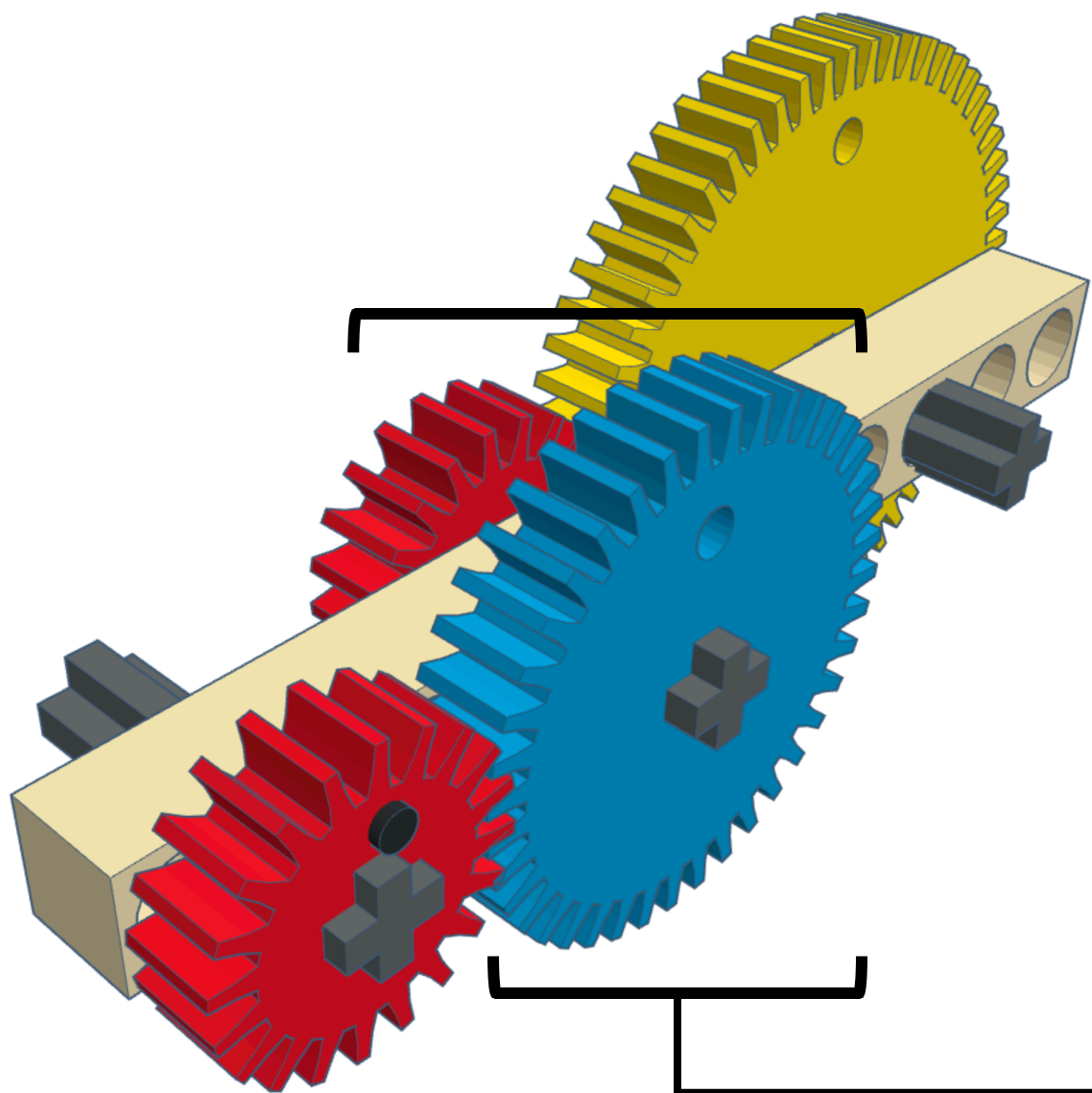


Gear ratios

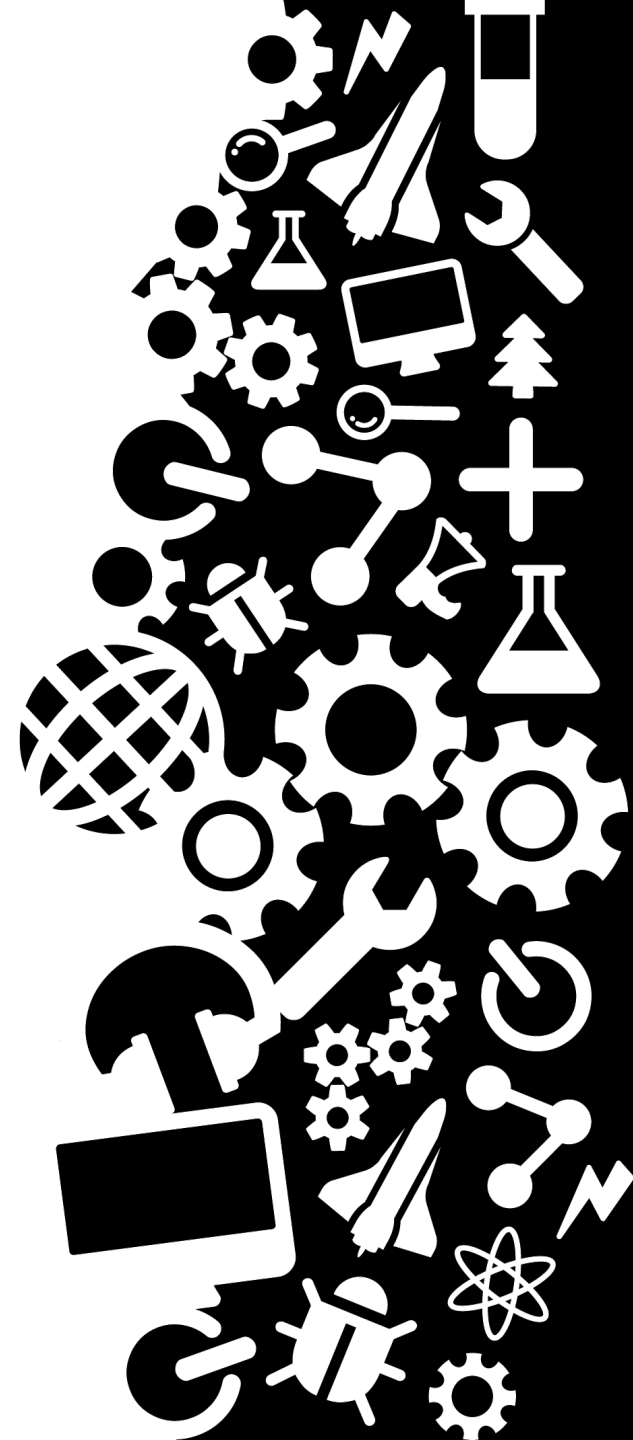


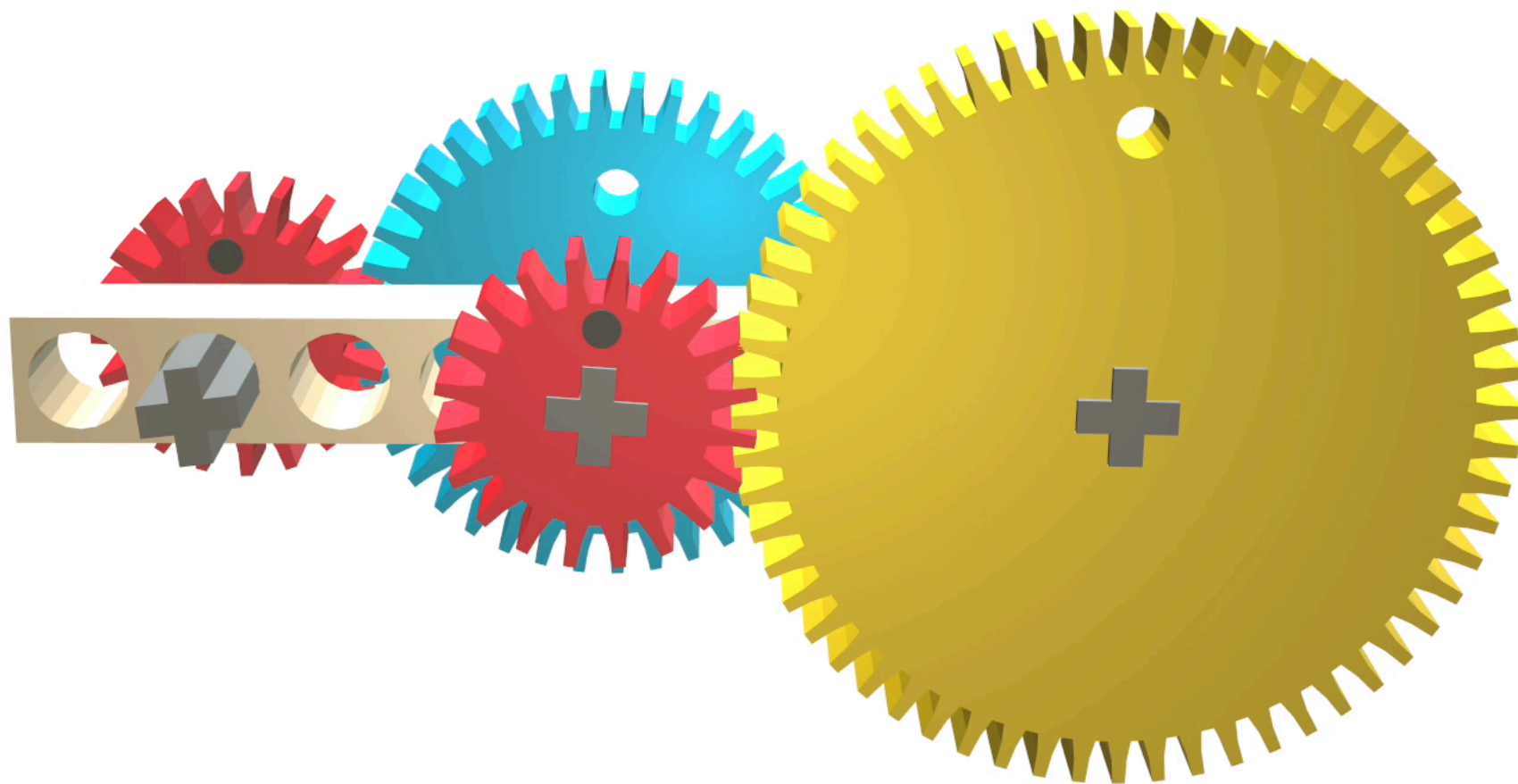
Why might gear ratios be useful?

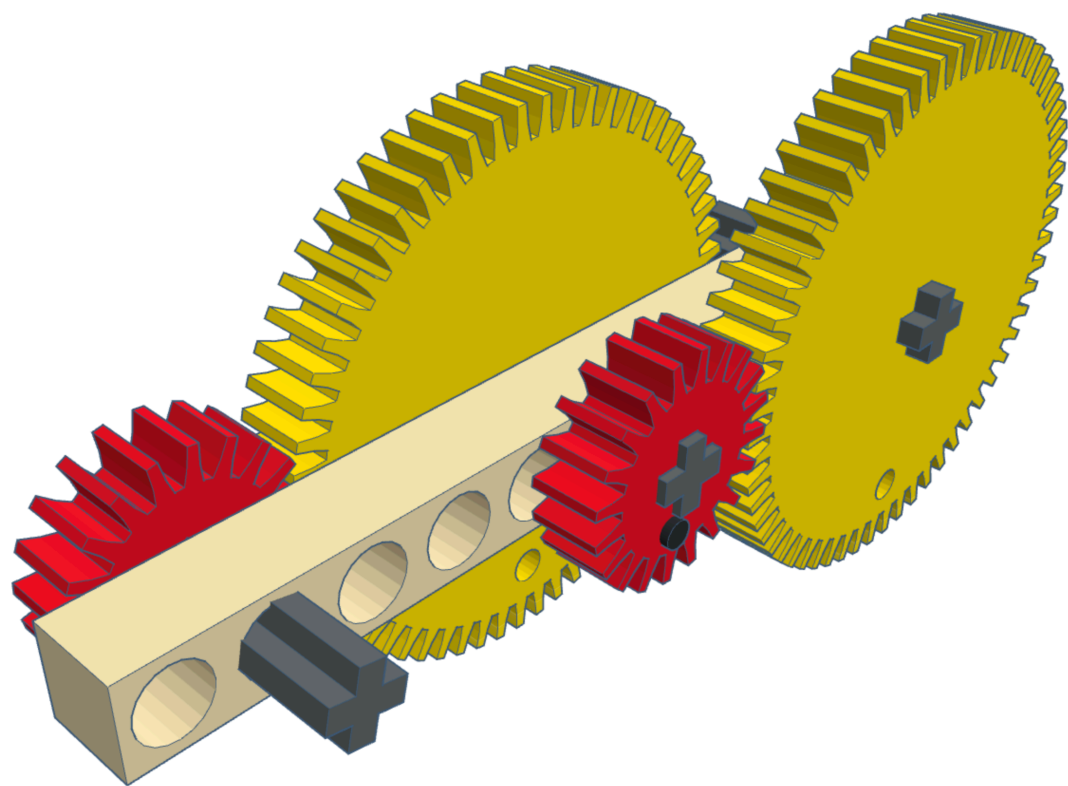
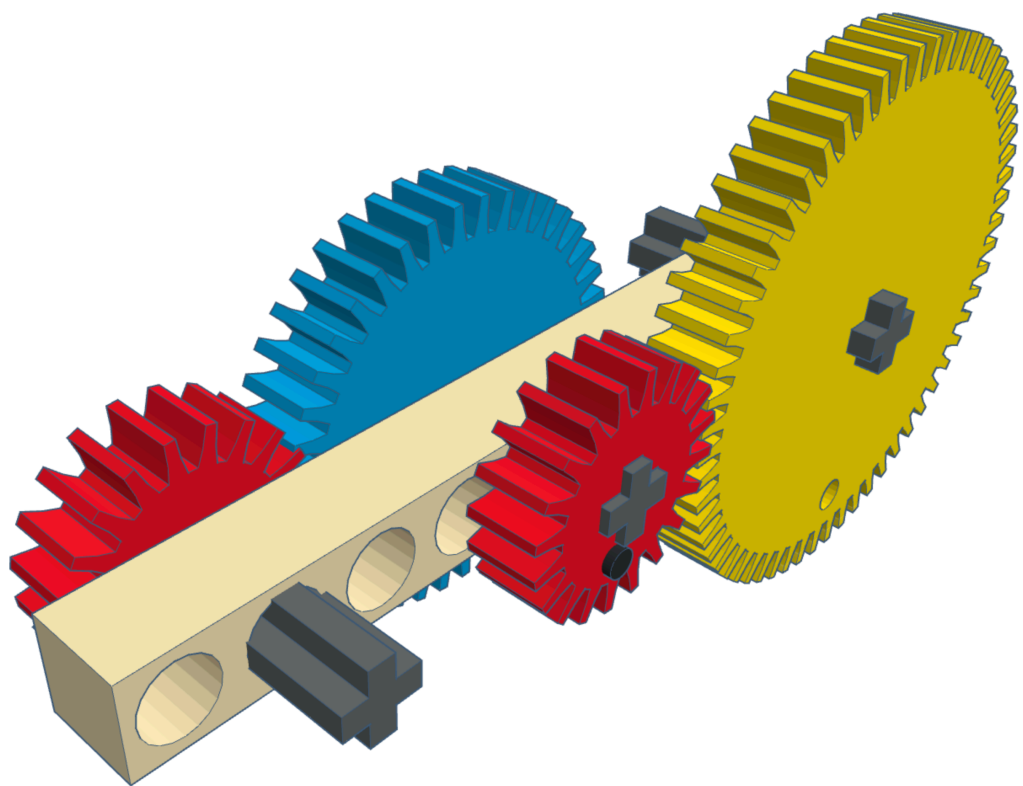


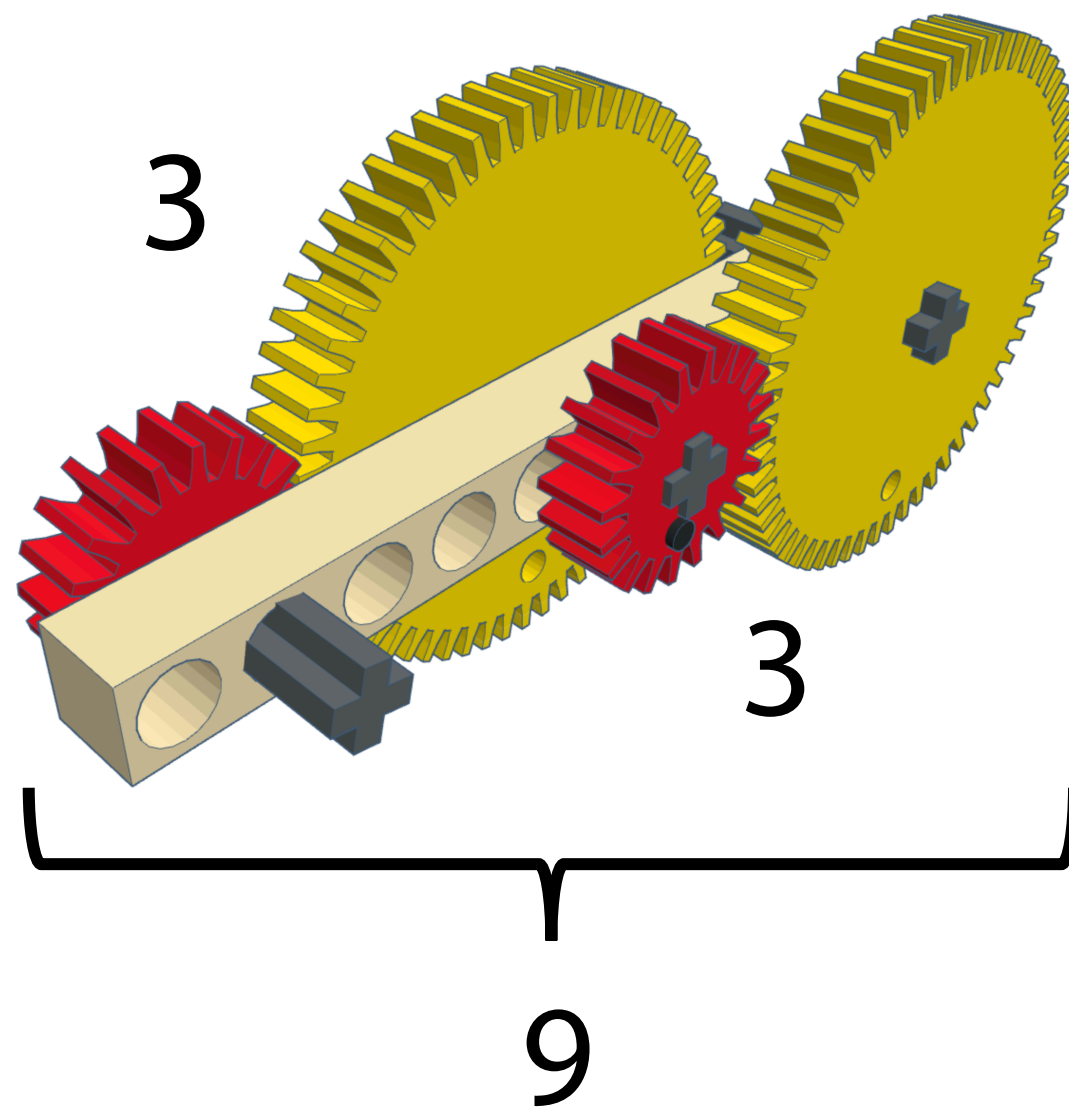
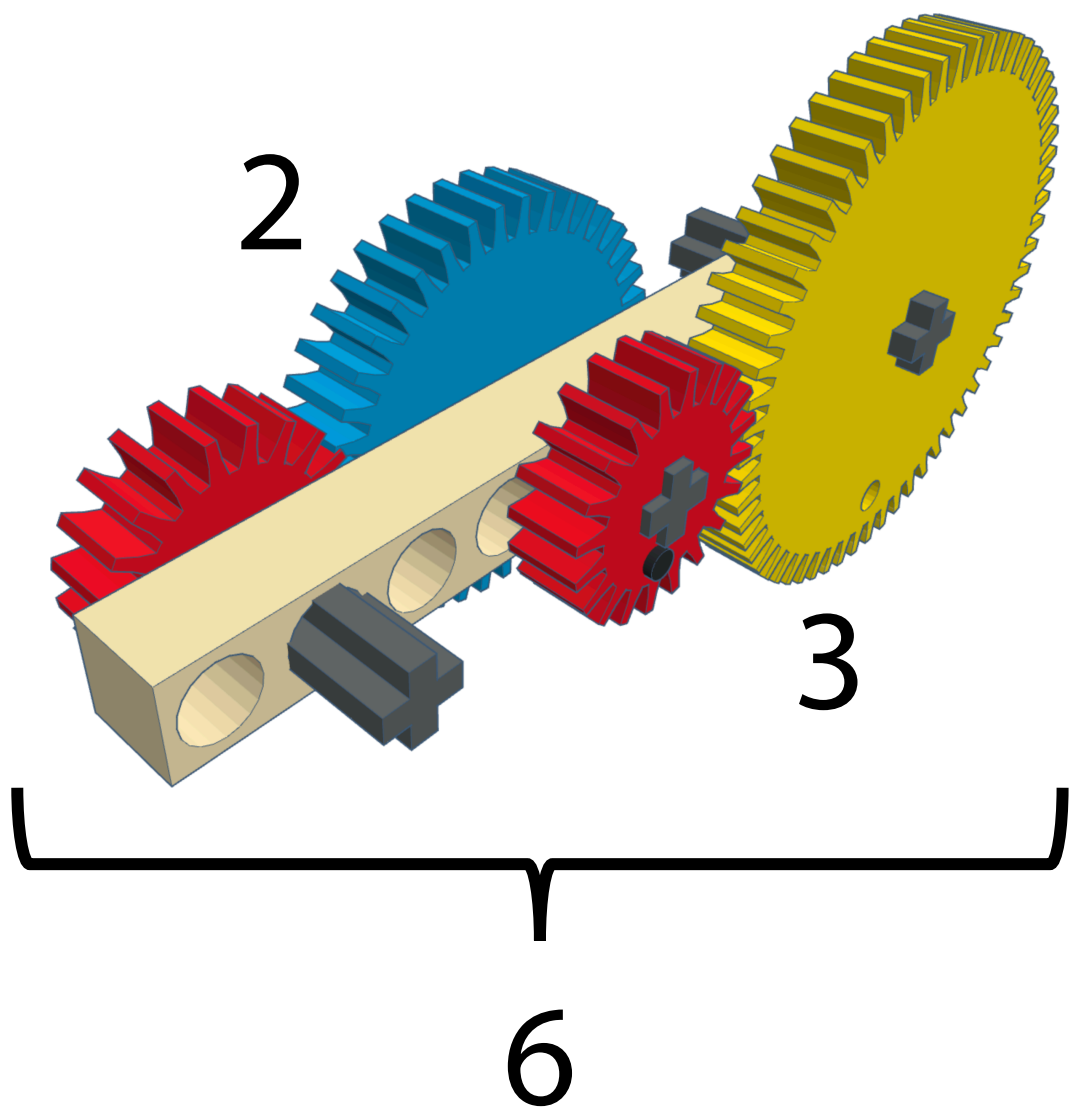


coaxial
gears

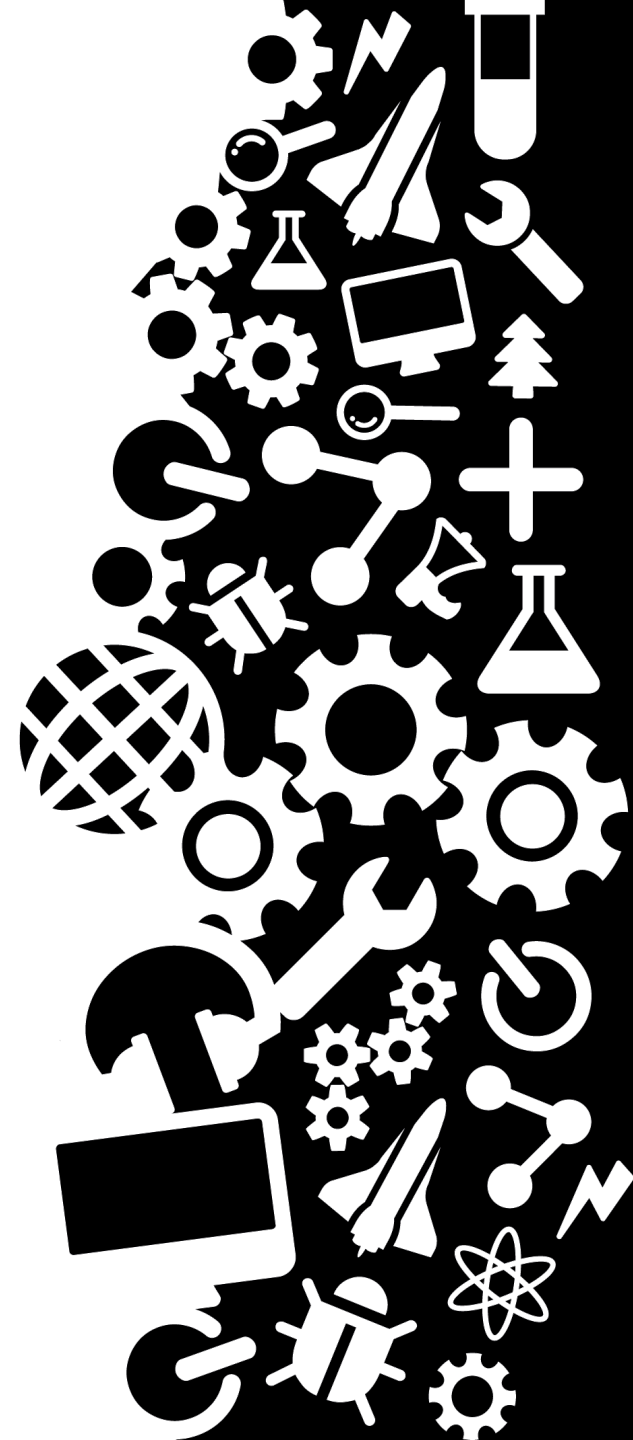


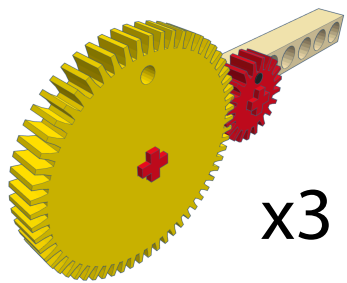






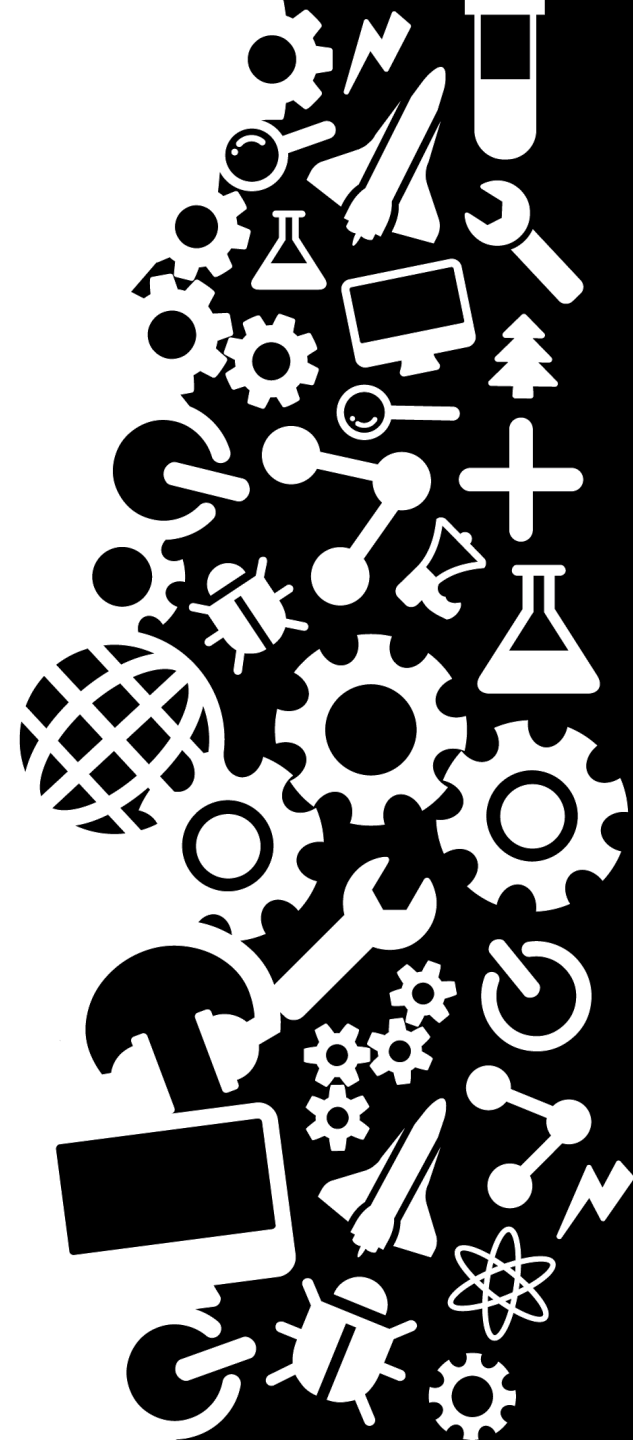
Making a larger gear train

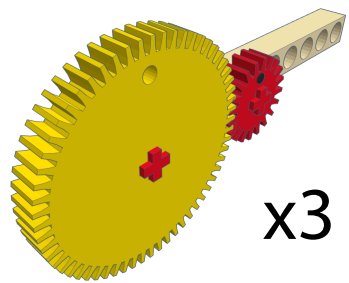




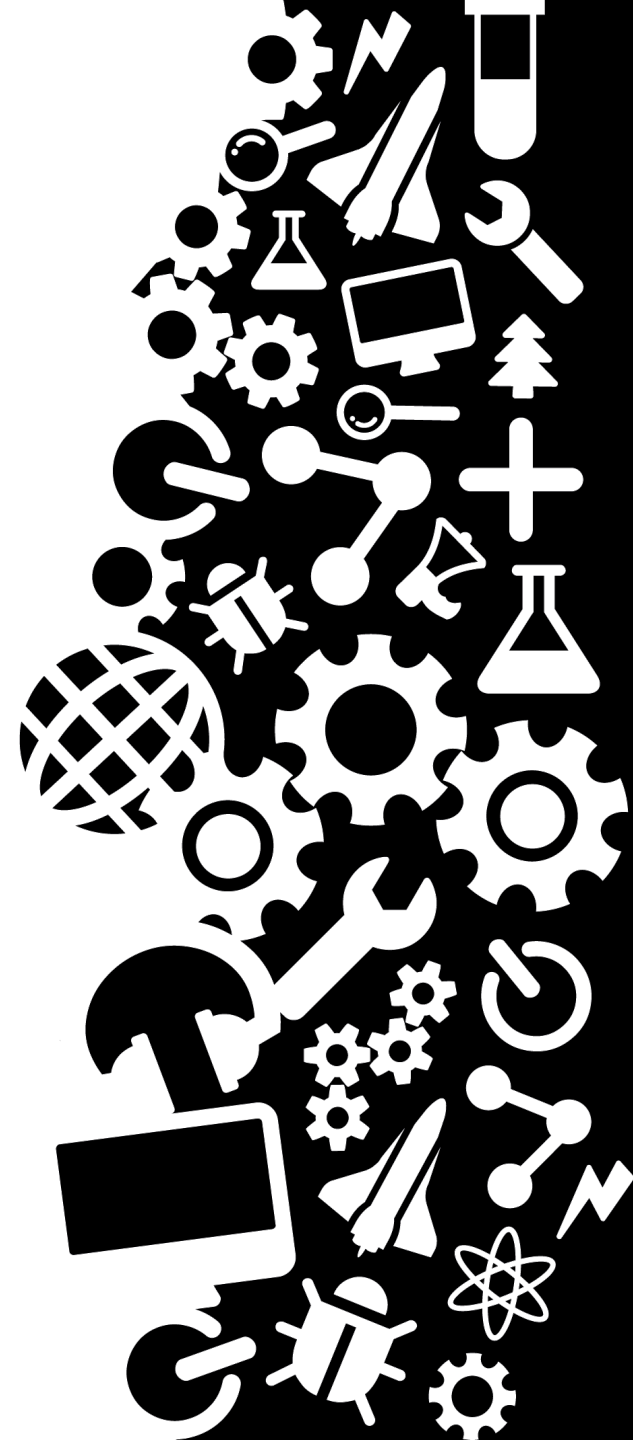
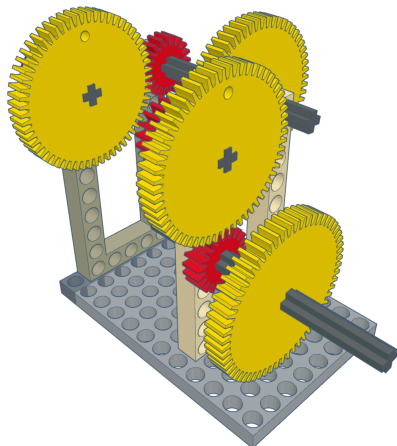
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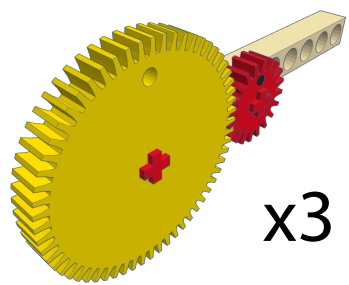
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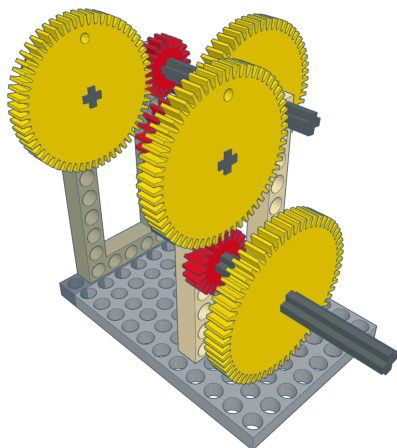


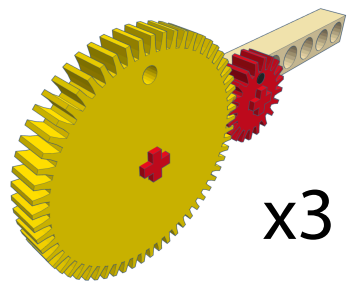
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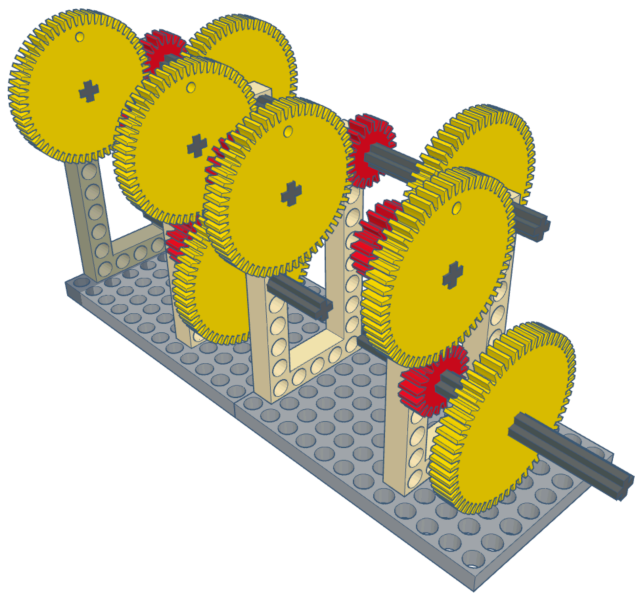
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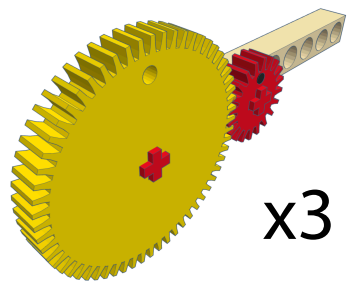




x3

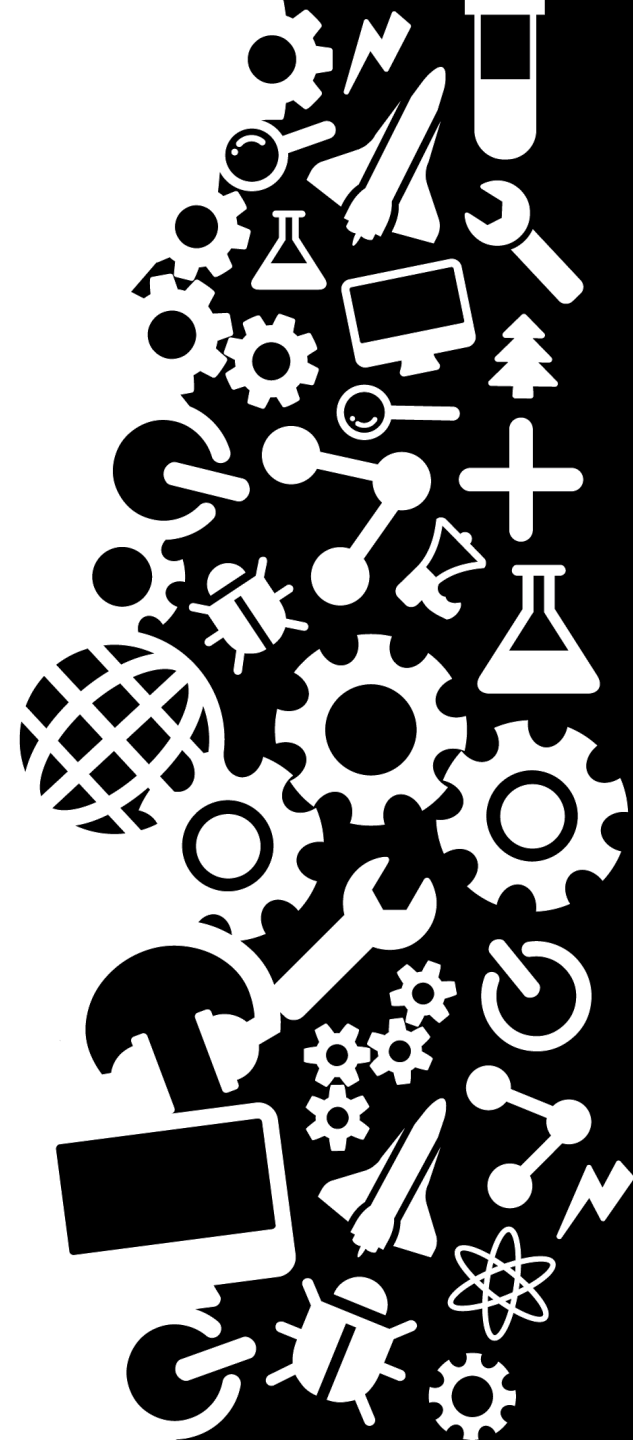
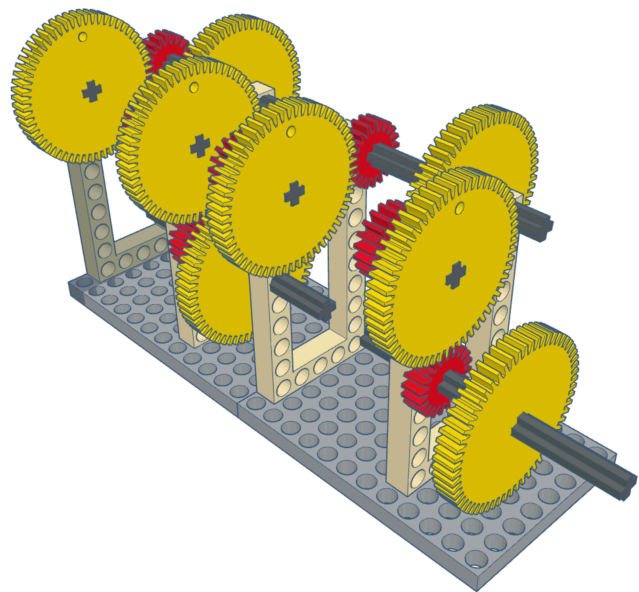
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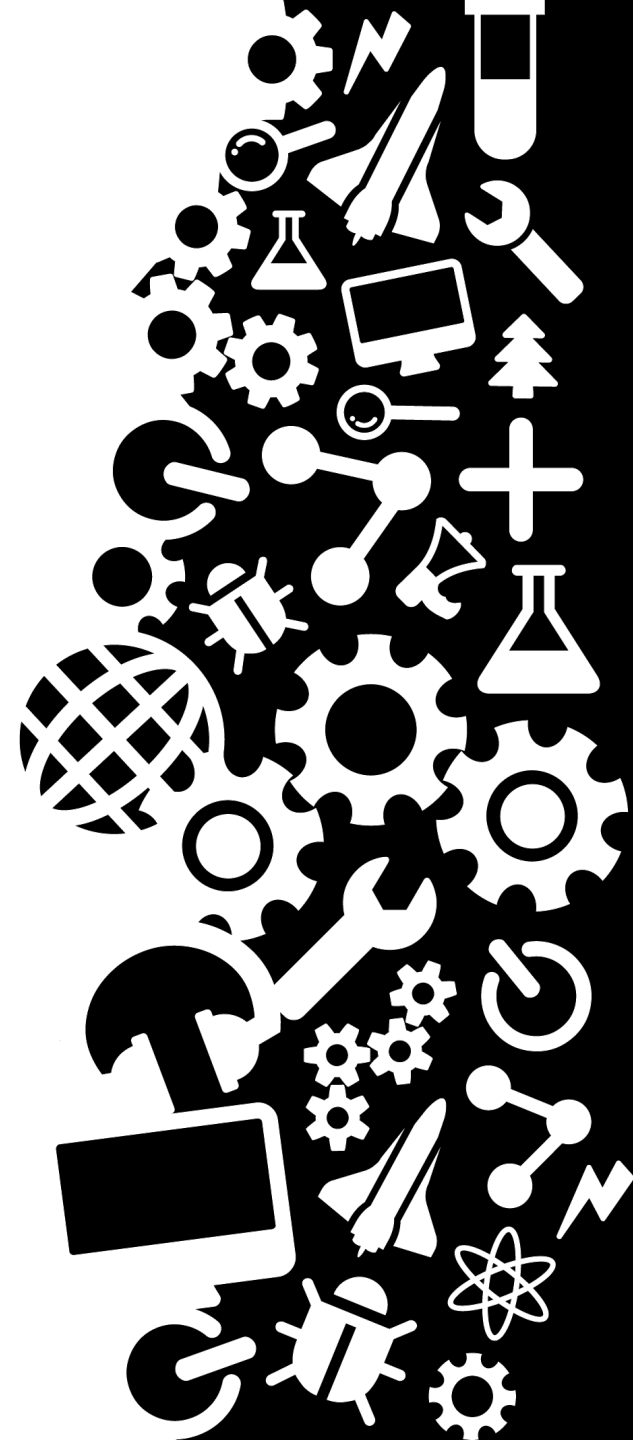
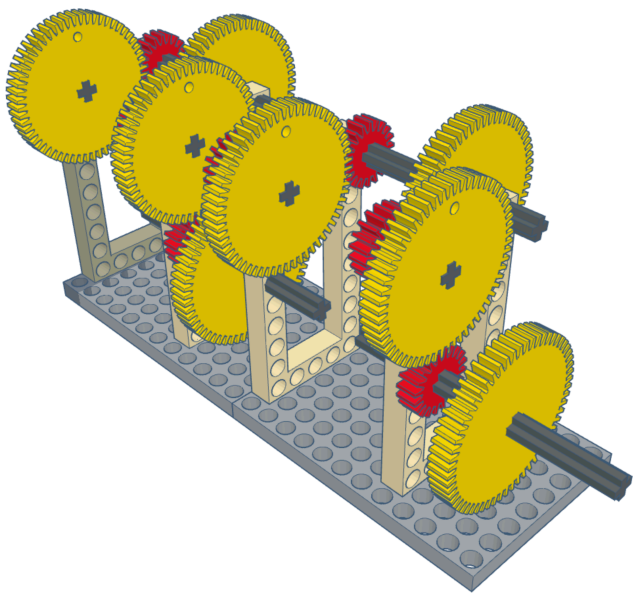
x3

729



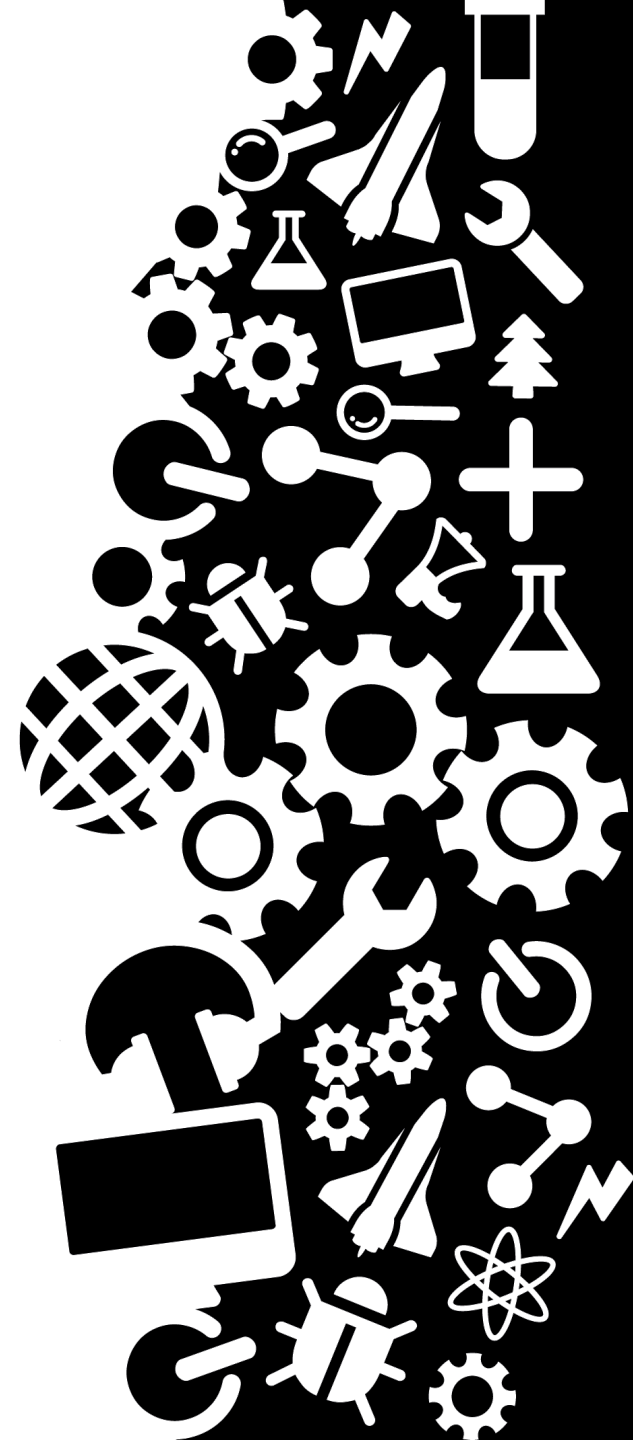
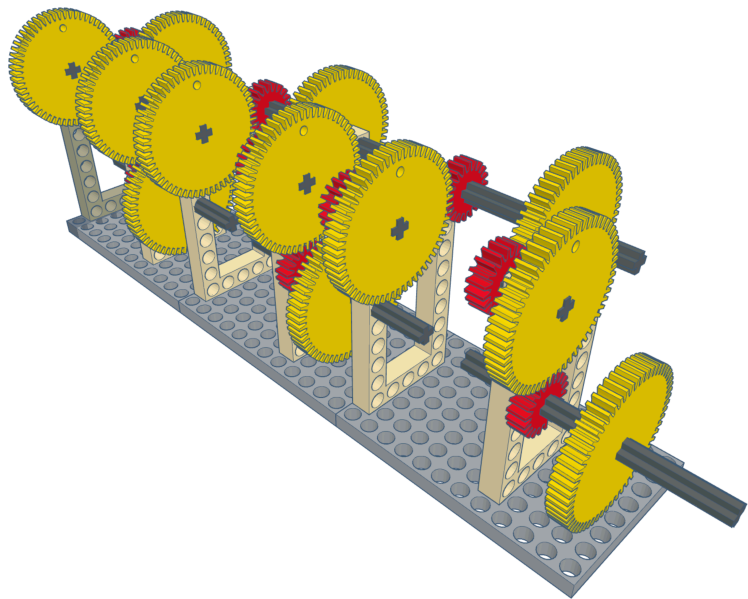


2,187



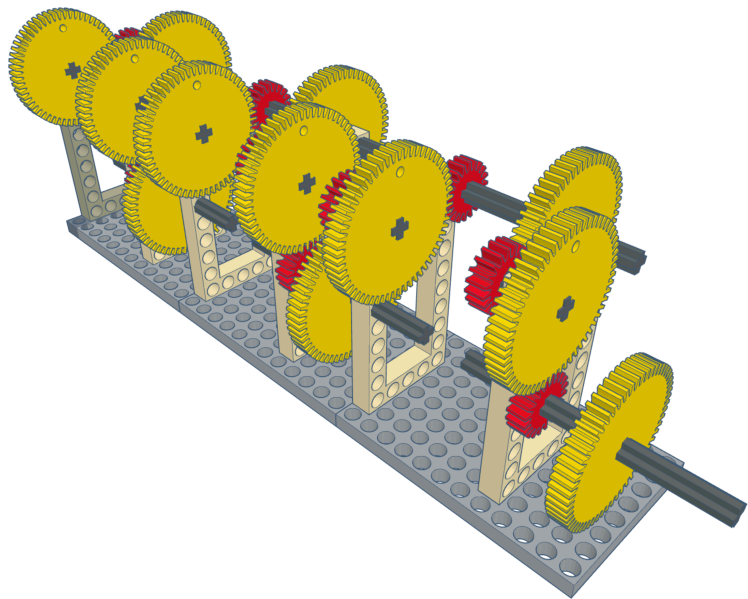


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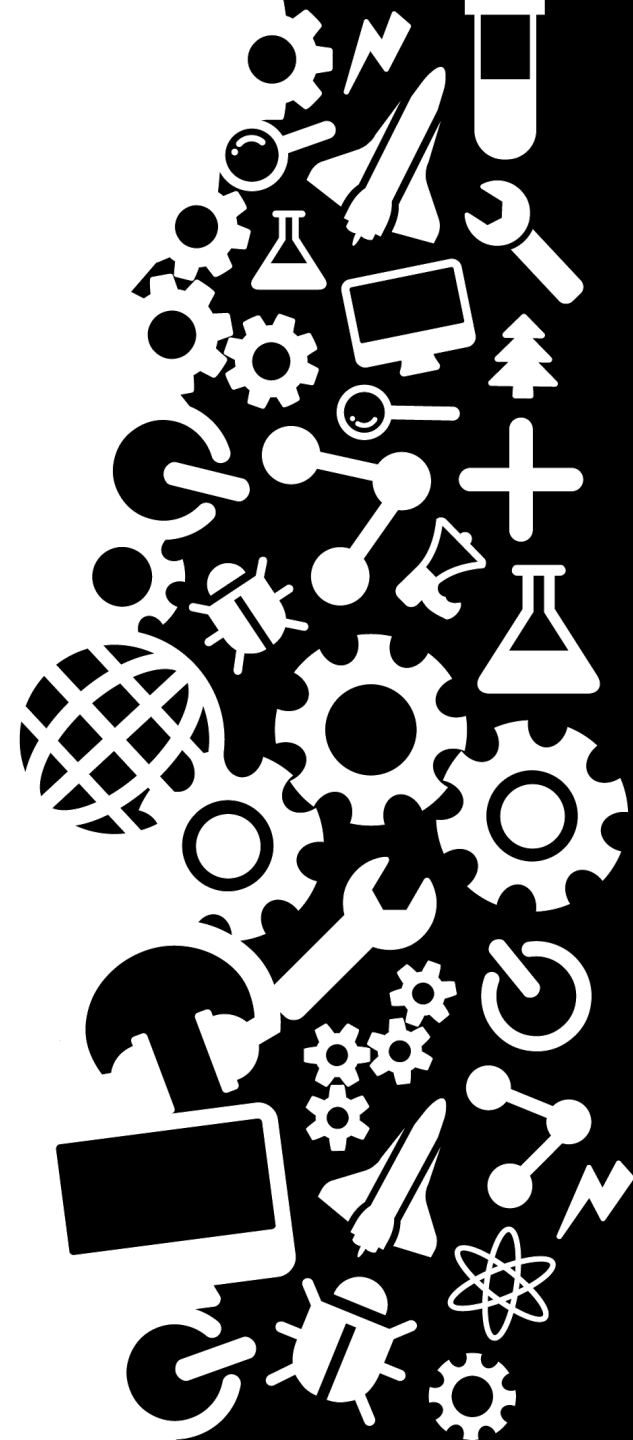
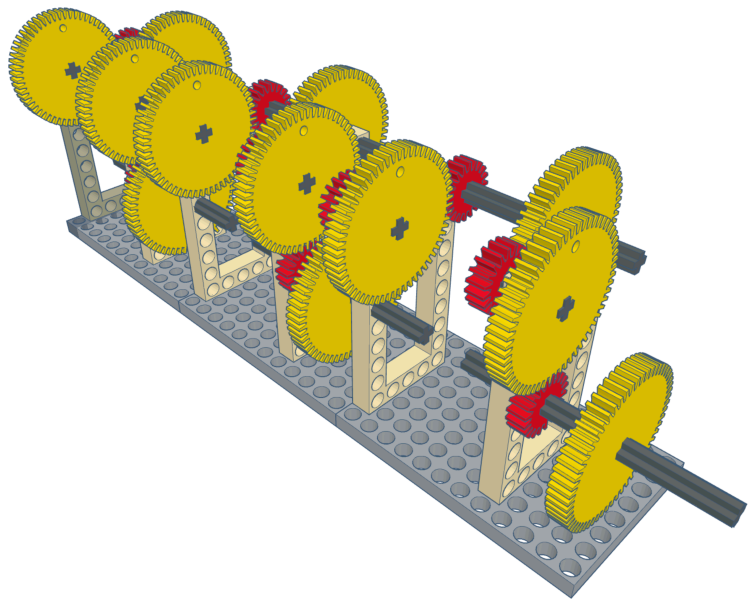


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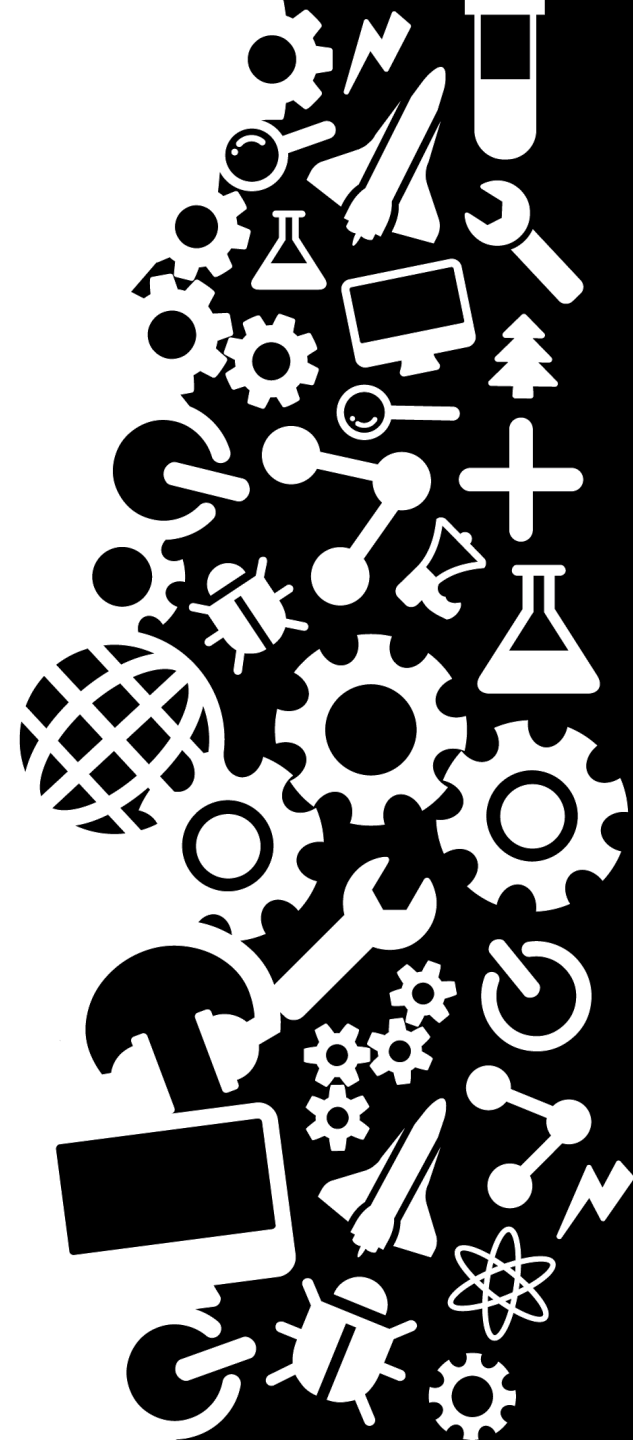
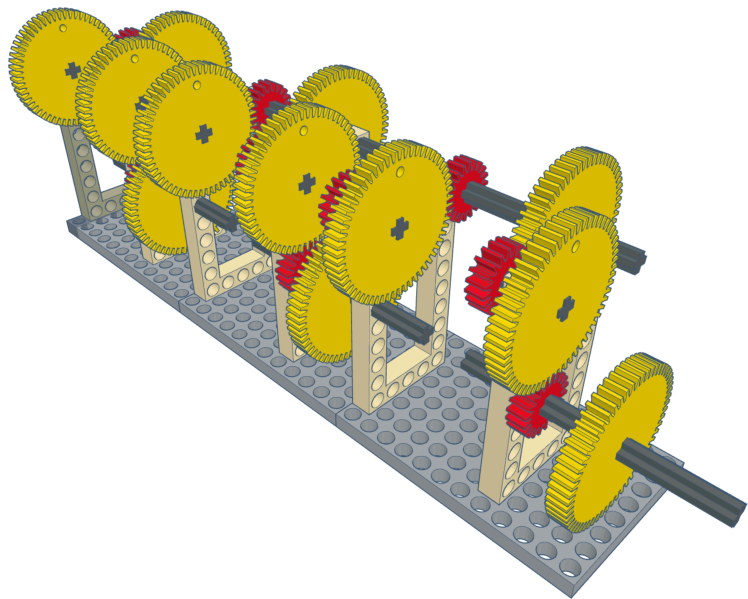


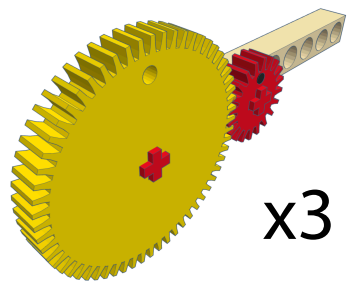
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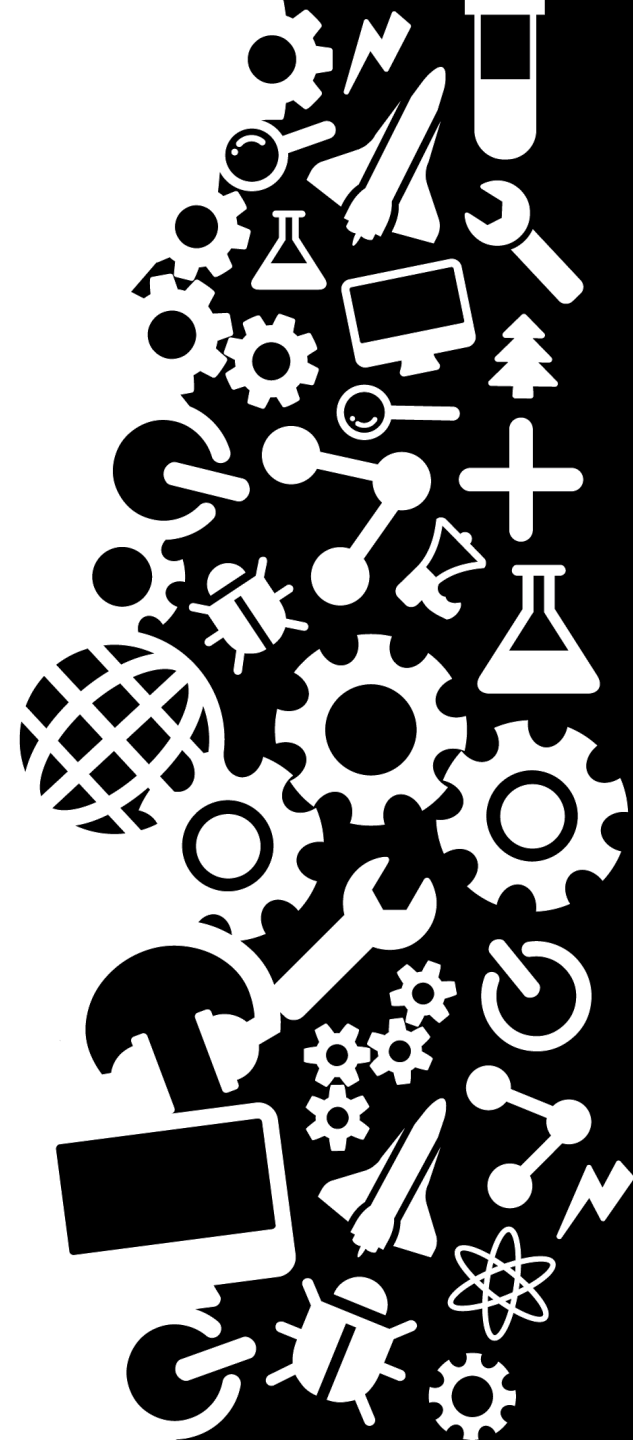
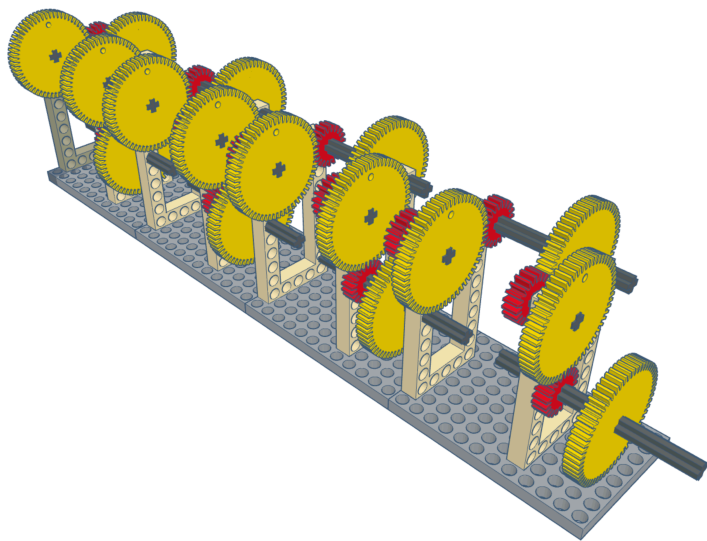
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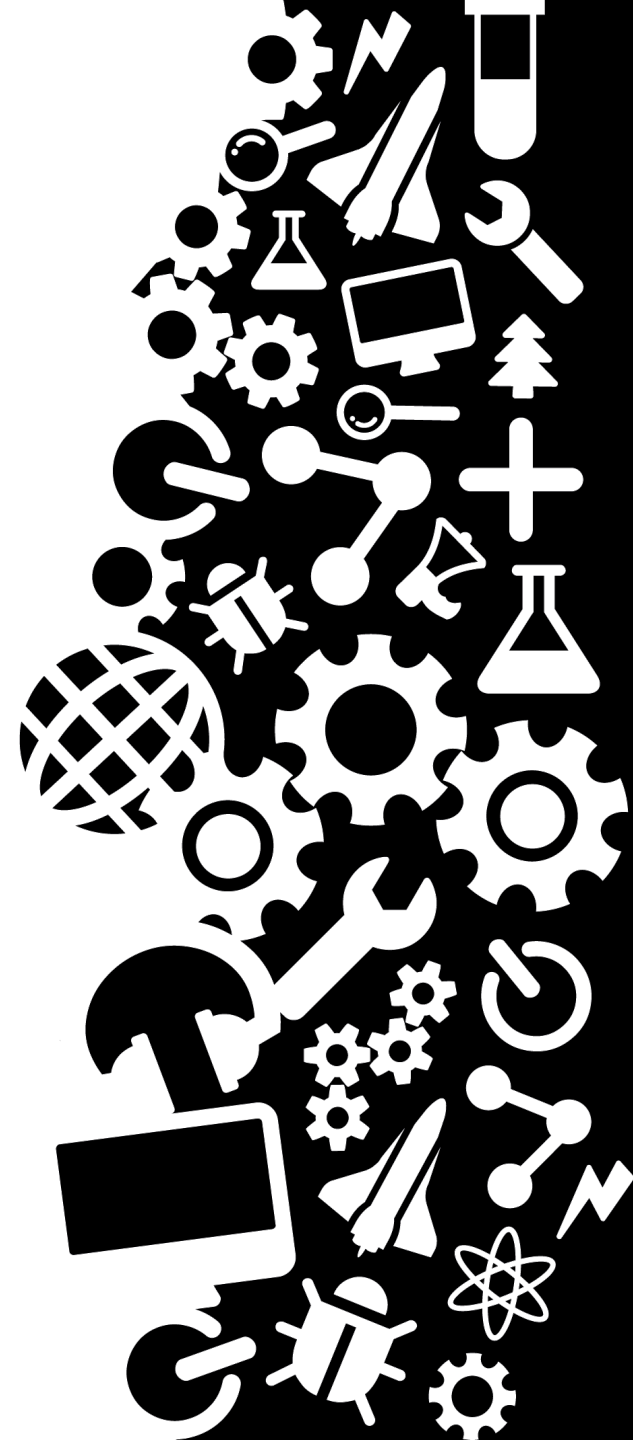
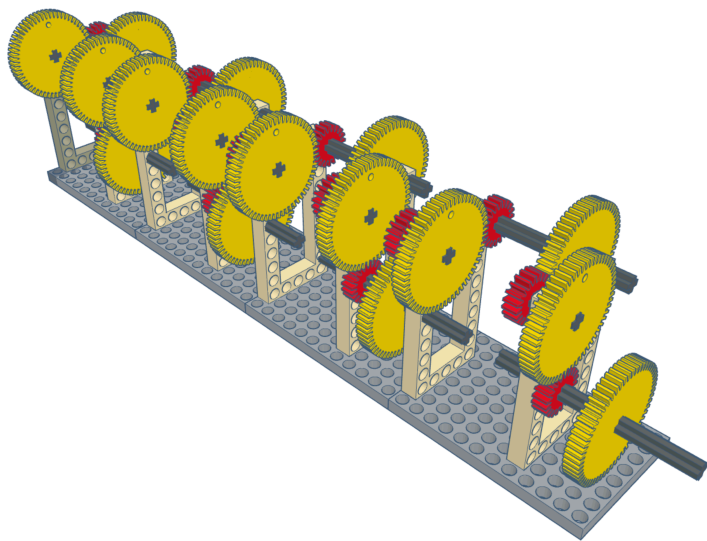
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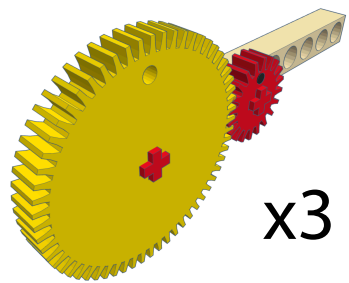
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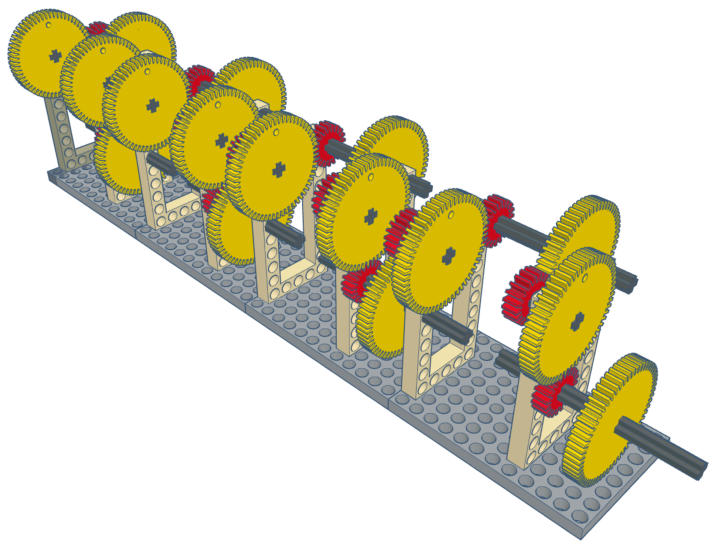


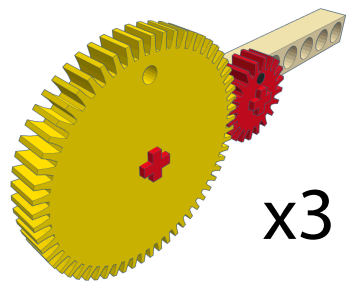
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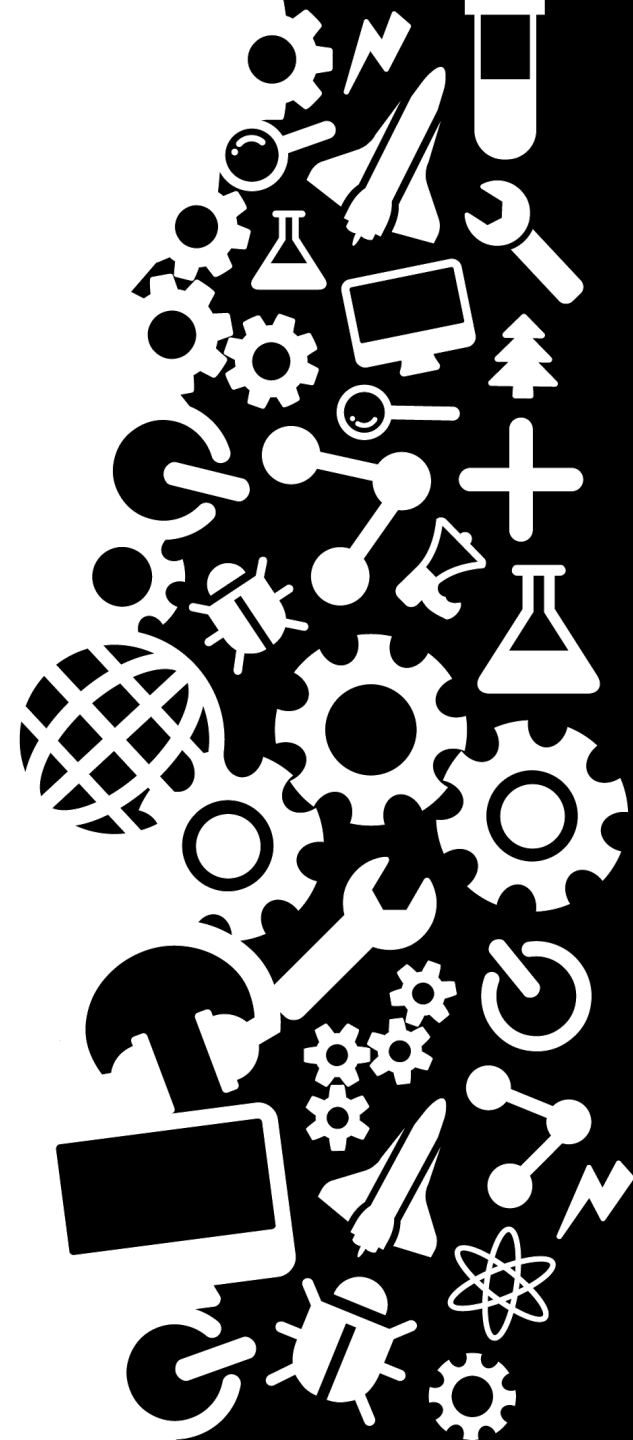
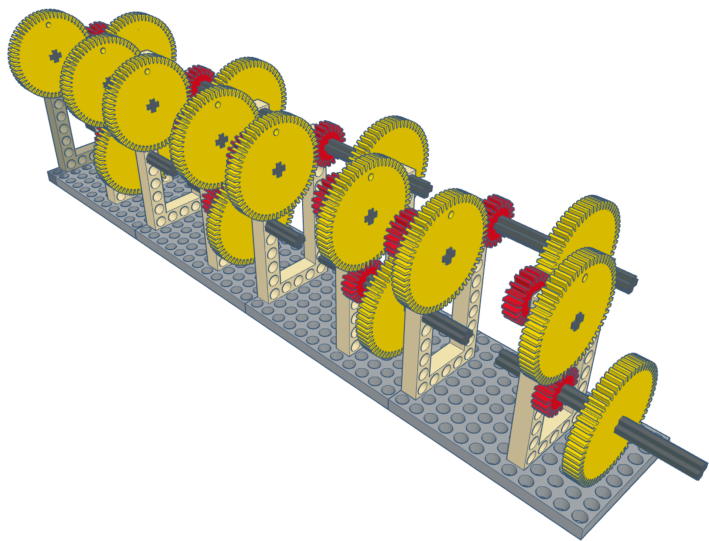


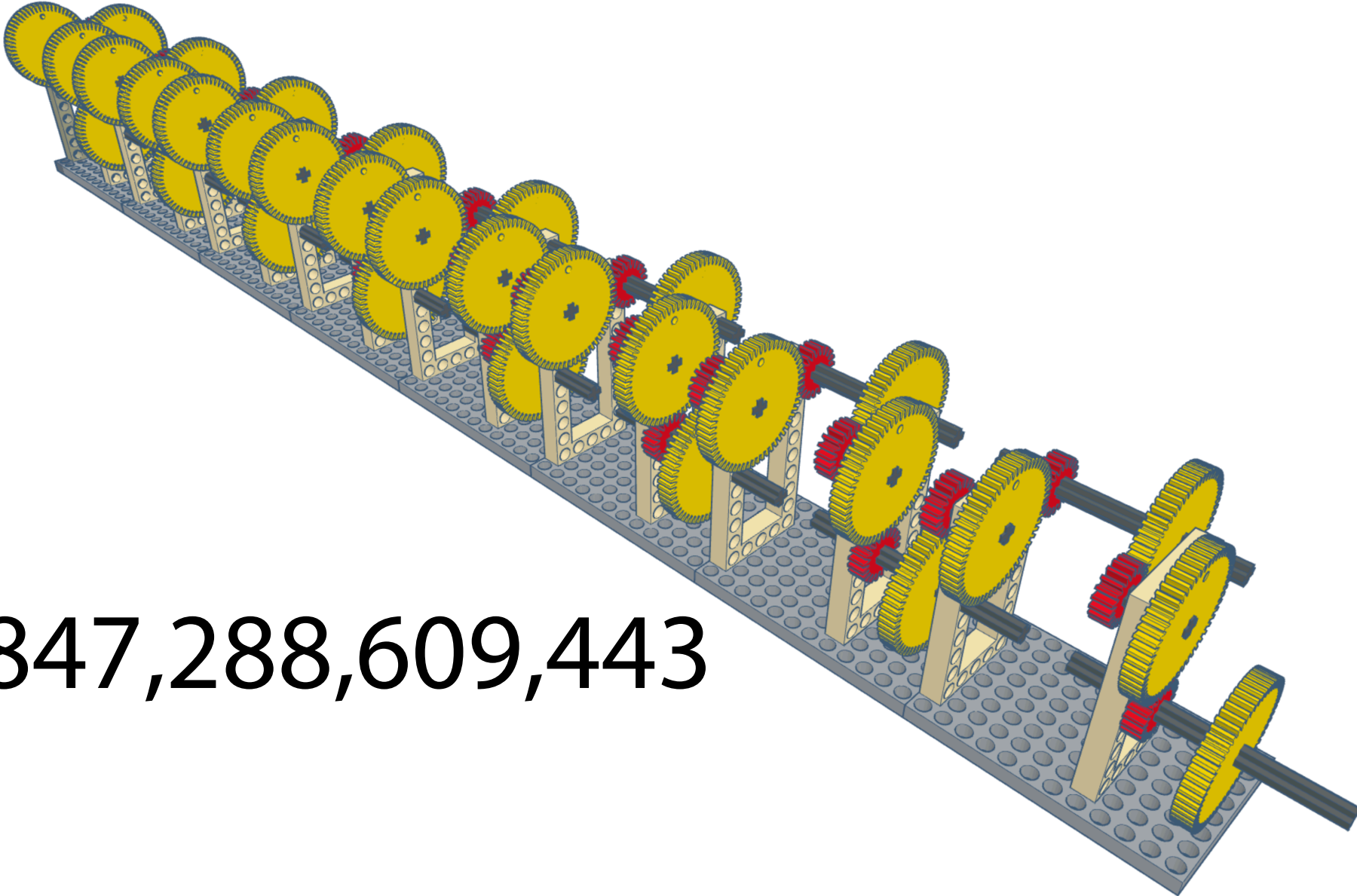
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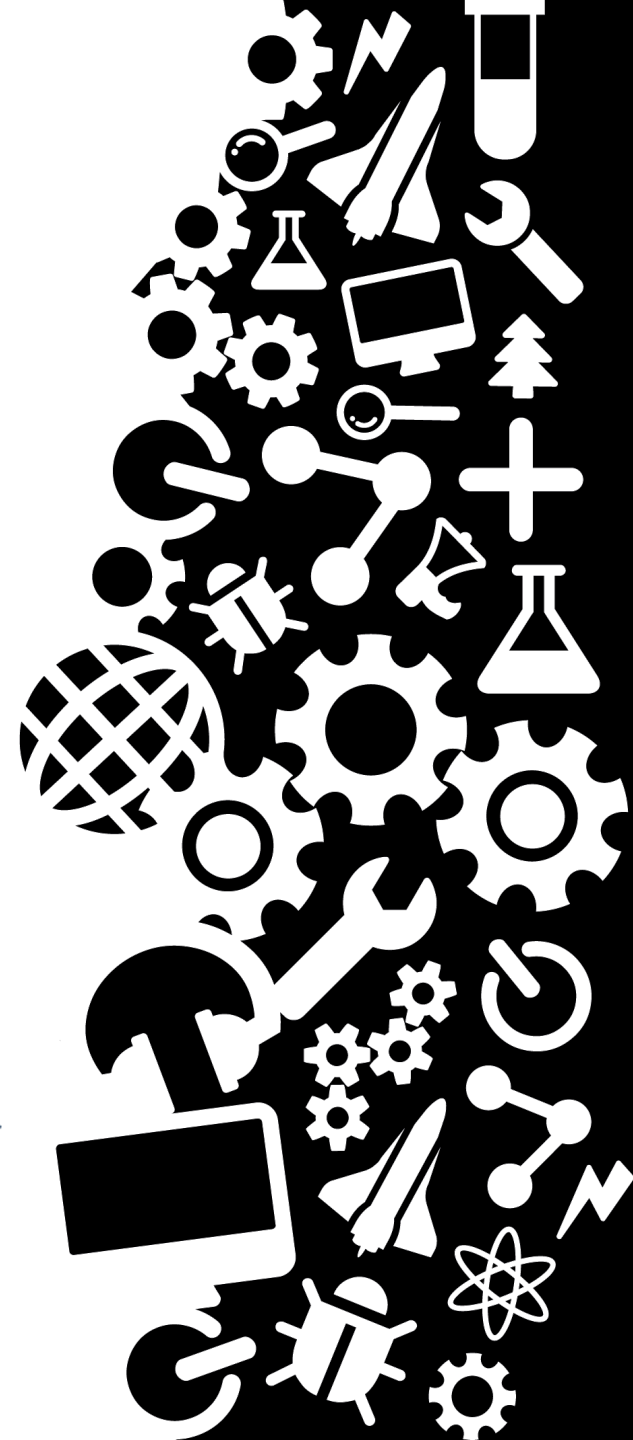


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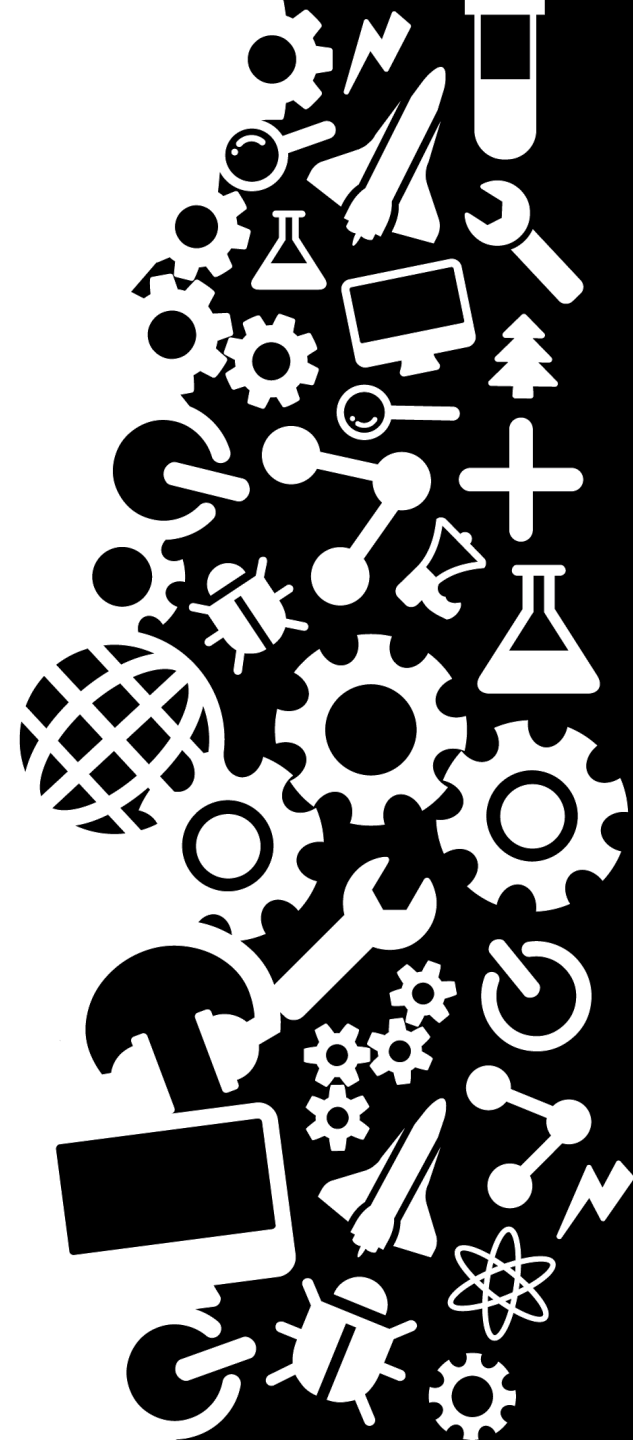




347,288,609,443



What have we learned today?



Any questions?

