

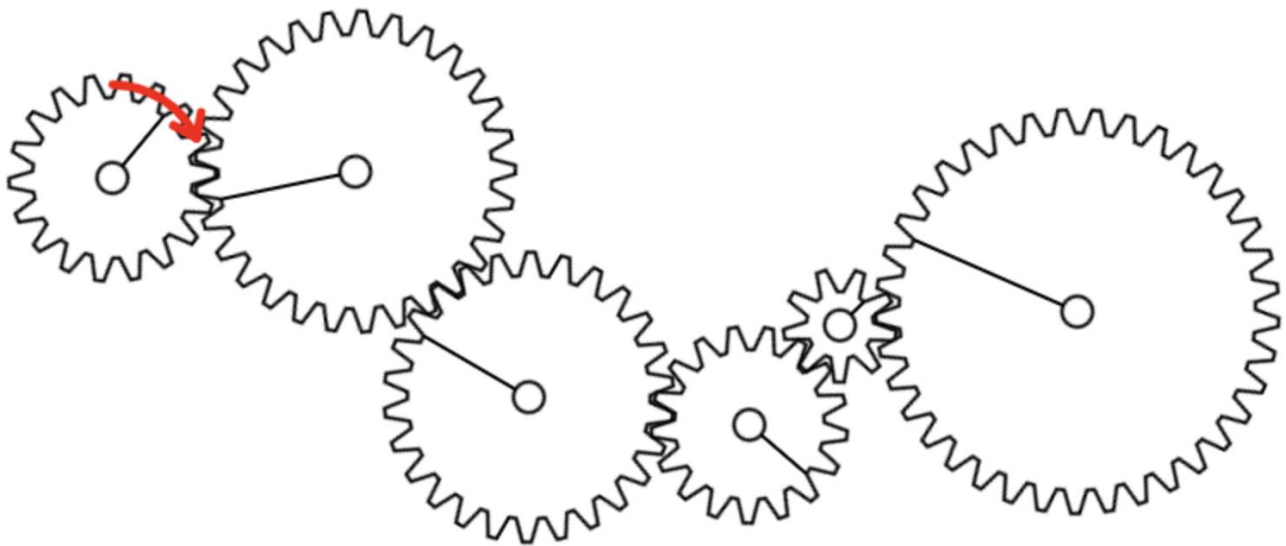
Gears Rule	Grade 3 and 4
Gears Rule Assessment	

What to do:

Use your rules to predict what direction the last gear will be moving as well as if it will be faster or slower than the first one. Use **gearsket.ch** to test check your answer.

It will help if you draw arrows for each gear!

Gear Train 1:

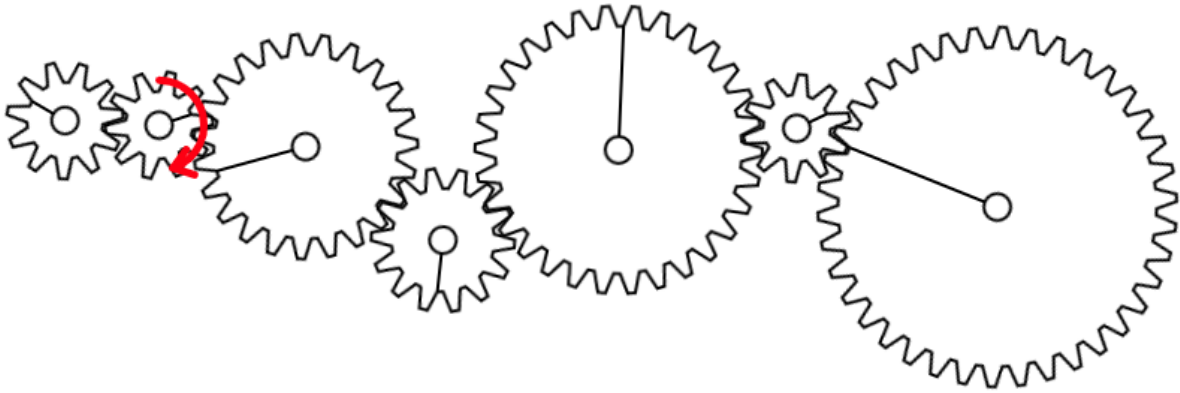


The last gear will be moving _____.
 (clockwise/counterclockwise)

The last gear will be moving _____.
 (faster/slower)

Build the gear train in **gearsket.ch**. Were your predictions correct? _____.
 (Yes/No)

Gear Train 2:

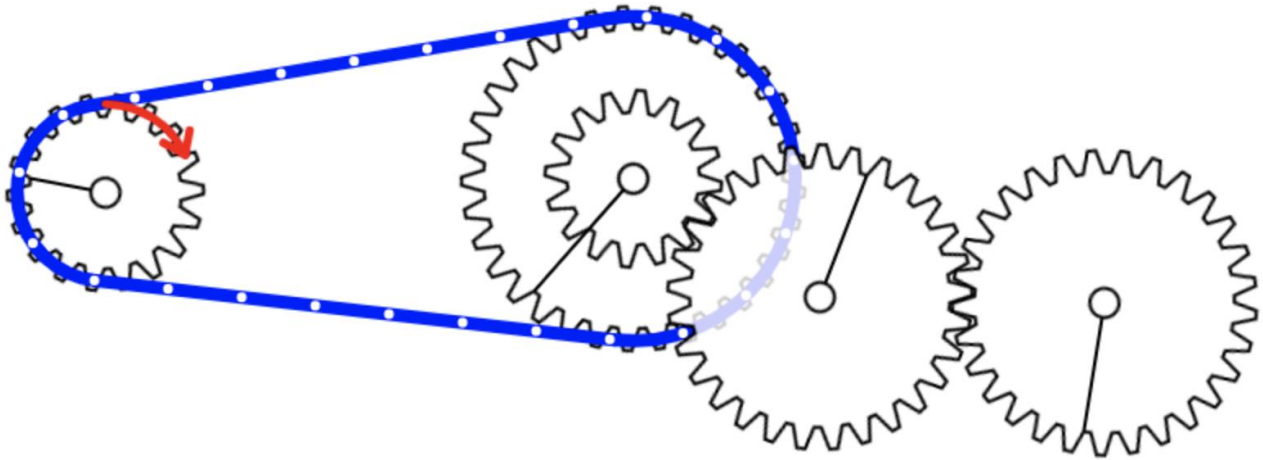


The last gear will be moving _____.
(clockwise/counterclockwise)

The last gear will be moving _____.
(faster/slower)

Build the gear train in **gearsket.ch**. Were your predictions correct? _____.
(Yes/No)

Gear Train 3:

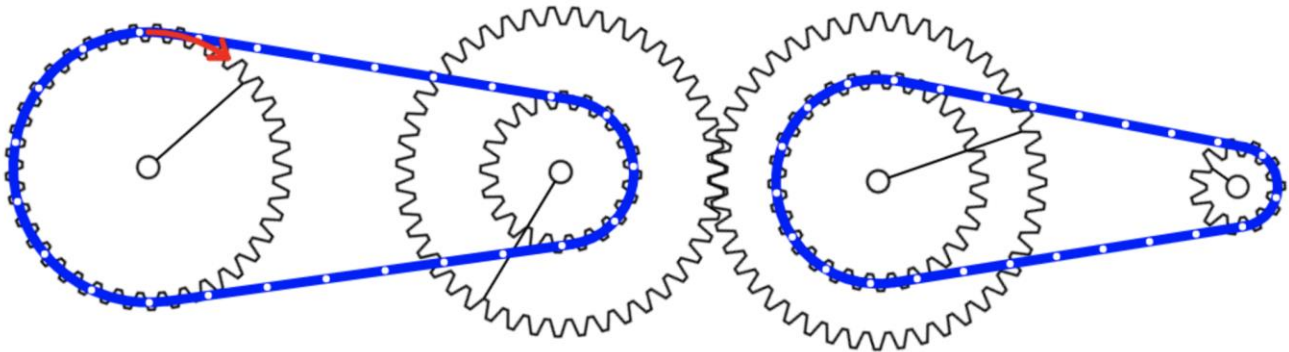


The last gear will be moving _____.
(clockwise/counterclockwise)

The last gear will be moving _____.
(faster/slower)

Build the gear train in **gearsket.ch**. Were your predictions correct? _____.
(Yes/No)

Gear Train 4:



The last gear will be moving _____.
(clockwise/counterclockwise)

The last gear will be moving _____.
(faster/slower)

Build the gear train in **gearsket.ch**. Were your predictions correct? _____.
(Yes/No)

Bonus Activity!

Draw your own gear train on a blank piece of paper. Trade pages with a partner and see if they can predict what way the gears are turning. Use gearsket.ch to make sure your gear train works and to test your answer.

Answers

Gear Train 1:

Counter-clockwise
Slower

Gear Train 2:

Counter-clockwise
Slower

Gear Train 3:

Clockwise
Slower

Gear Train 4:

Counter-clockwise
Faster