

Tumble Trax® Magnetic Marble Run

Tumble Trax® Challenges

1. If space allows, try to make a track that goes around the corner of your fridge. Make sure the edges of the pieces line up so that the marbles don't roll off in one direction! Can you launch the marble from one side of your refrigerator to a target on the other side?

2. Build a new track; this time, roll a clean, used milk bottle top. Did it roll off or stay on track? What changes could be made to the track to make it work better? Can you set the it up as a trigger, to set off another marble somewhere on your track?

Two-Player Challenge:

1. Each player has two minutes to build the fastest track, with the marble touching every piece at least once. The player who had the fastest track is the winner.

2. Each player tries to bounce the marble into the target using only two pieces. The player who can do it from the longest distance three times in a row is the winner.

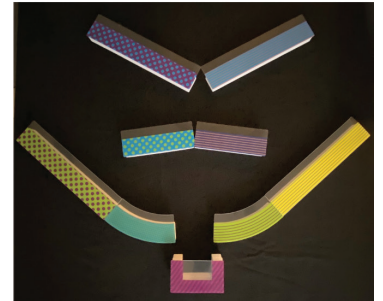


Tumble Trax® Extra Challenges

Using the Tumble Trax® pieces, build the challenges in the pictures and see if you can complete them!
For more fun, create your own challenges!

Challenge 1

Drop a marble on each side. Which one will reach the goal first?



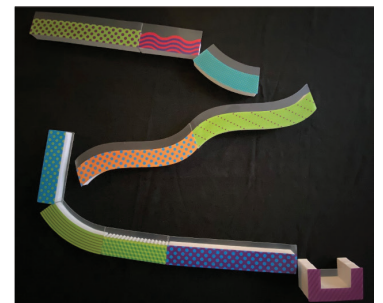
Challenge 2

Send the marble down the track. Watch as it falls from level to level.



Challenge 3

Send the marble down the track. Which wall will it bounce off of?



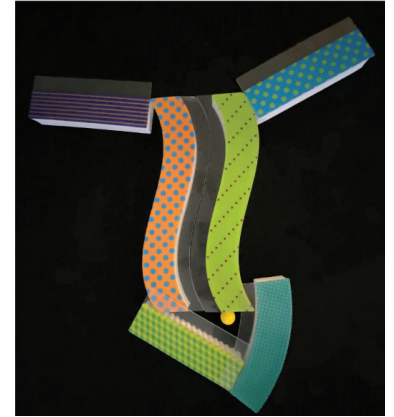
Challenge 4

Send the marble down either side. Can you predict which route the marble will take to reach the goal?



Challenge 5

Send the marble down the track on the right. What can you do to prevent the marble from falling into "the boot"?



Challenge 6

Place the marble on the top piece. Does the marble bounce or roll over each piece? What can you do to make sure the marble rolls over all the curves?



Challenge 7

Can you launch the marble into the target using only two curved pieces?



Challenge 8

Send the marble down the track of all the long pieces. Does it roll faster or slower than using all short pieces?



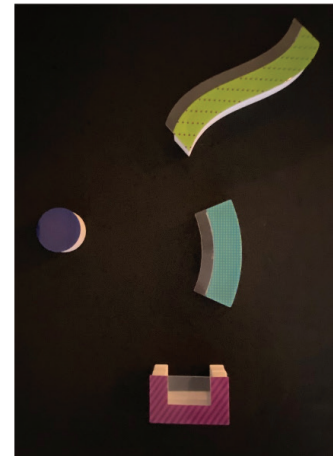
Challenge 9

Send a marble down on each side of the track. Do the marbles intersect? Can you predict which way the marbles will go?



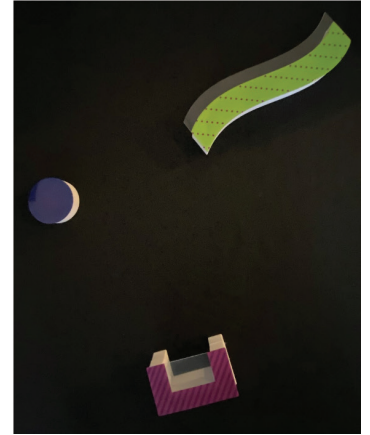
Challenge 10

Can you bounce the marble twice to make it into the goal?



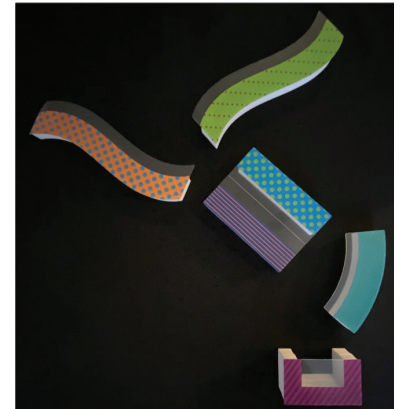
Challenge 11

Can you bounce the marble once to make it into the goal? What's the longest distance you can bounce it from?



Challenge 12

Send the marble down the track. What can you do to make sure it jumps into the chute?



Challenge 13

Can you bounce the marble from one chute to another?



Challenge 14

Send the marble down the track. Watch as it jumps off each piece.
What can you do to make the pieces jump faster?



Challenge 15

Can you predict which way the marble will go down the track?
Can you figure out which pieces the marble will not touch?



Challenge 16

Send marbles down each side of the track. Will the marbles roll into the hole, or make it to the goal?



Discover the Tumble Trax® Magnetic Marble Run & other at-home learning essentials at [LearningResources.co.uk!](https://www.learningresources.co.uk)

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