



 **STARTER**

 **JUNIOR**

 **EXPERT**

 **MASTER**

GAME RULES

- 1 Choose a challenge.
- 2 Fit the blocks in the train so that the colours and shapes match the challenge:
 - All spaces must be filled with a block, there will be no empty spaces in the solution.
 - In some challenges not all blocks/wagons will be used. Count the number of blocks/wheels to determine how many blocks and wagons you need.
 - Some blocks have different shapes on each side. Only the shape visible from the topside is shown in the challenge and solution.
 - Wagons must be connected to each other and to the steam engine by using the shapes attached with string in the solution.
 - Advanced challenges offer fewer hints:
 - White blocks indicate the colours that are not revealed. Use deduction skills to figure out what colours should be placed!
 - Side view challenges hide the shape of each block.
 - In Master challenges the order of the wagons is not revealed.
- 3 There is only 1 solution, shown on the backside of each challenge.

Hints for parents and teachers:

Toddlers (3+) can initially play with BrainTrain as a shape sorter, fitting the blocks inside the train while connecting all wagons. Older children (4+) can try to solve the challenges in this booklet. If the challenges seem too hard, start by building the trains while looking at the solutions.

STARTER

age: 4+

JUNIOR

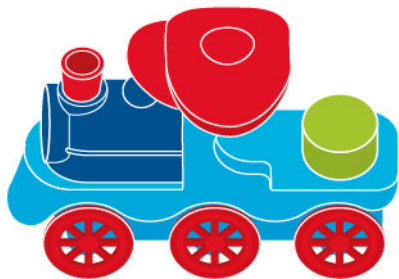
5+

EXPERT

6+

MASTER

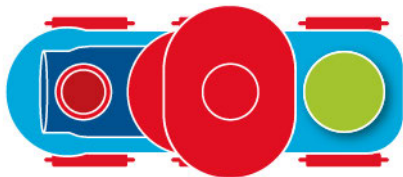
7+



CHALLENGE 1

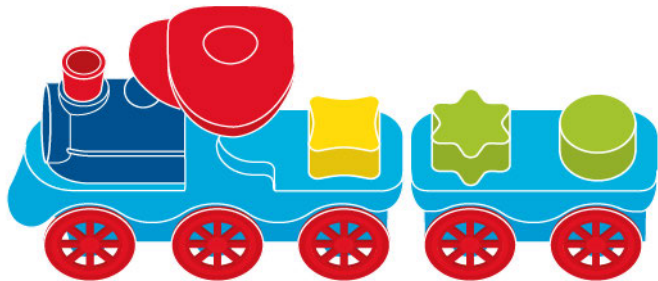
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SOLUTION 1

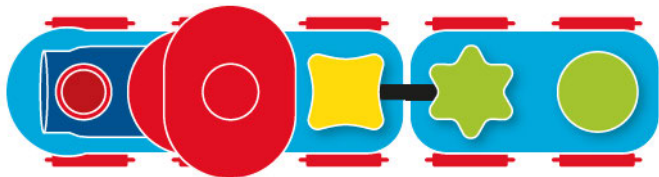
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CHALLENGE 2

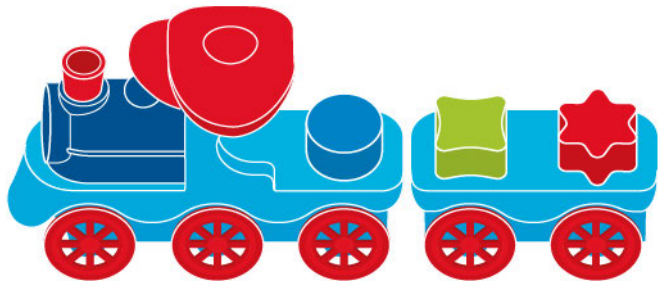
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SOLUTION 2

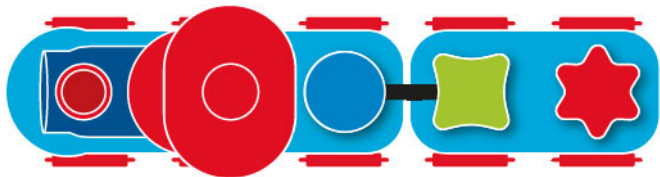
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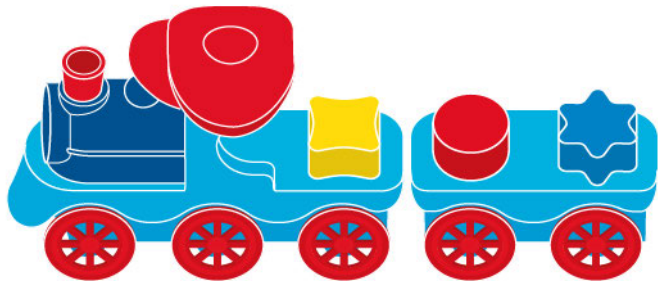
CHALLENGE 3

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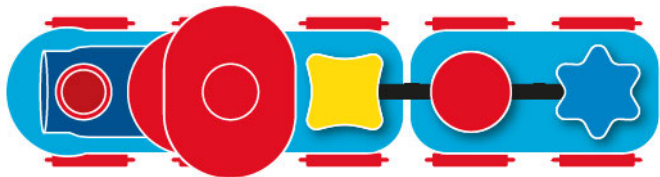
SOLUTION 3



CHALLENGE 4

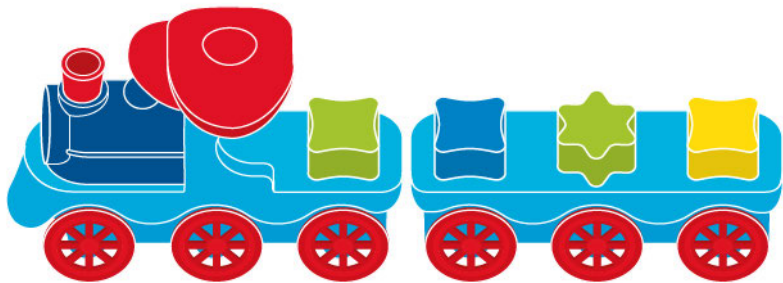
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SOLUTION 4

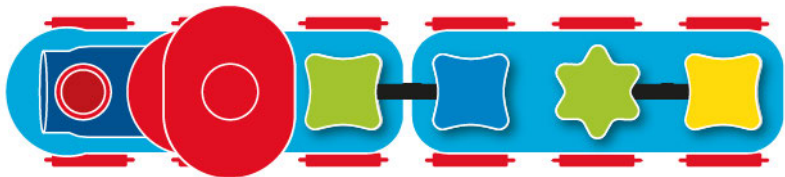
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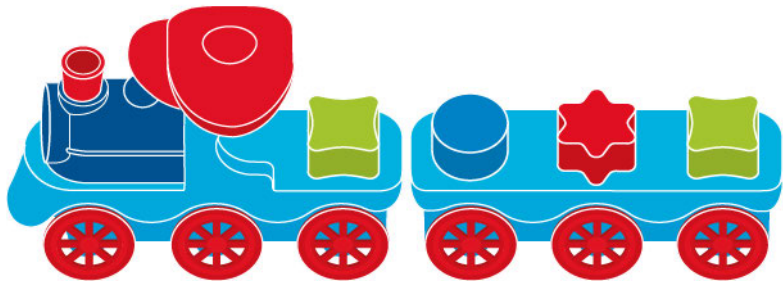
CHALLENGE 5

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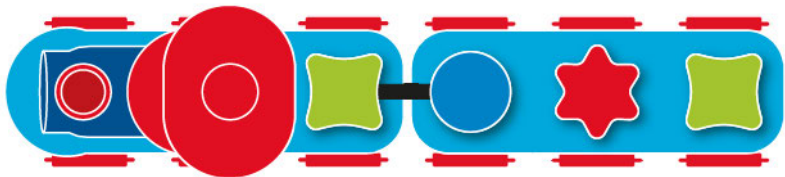
SOLUTION 5



CHALLENGE 6

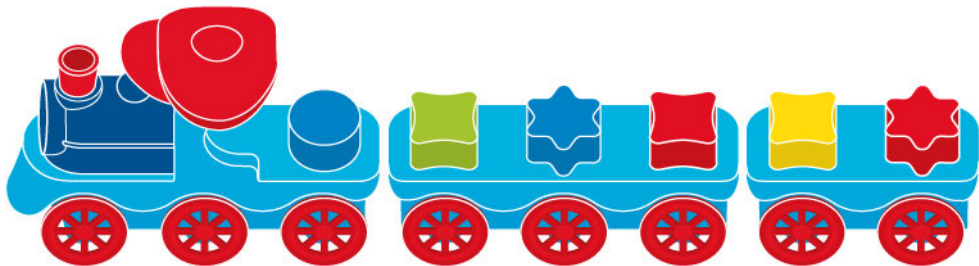
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SOLUTION 6

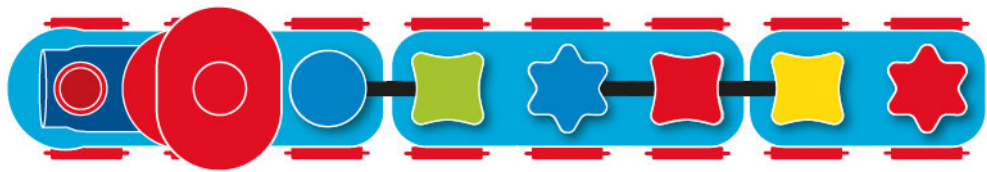
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CHALLENGE 7

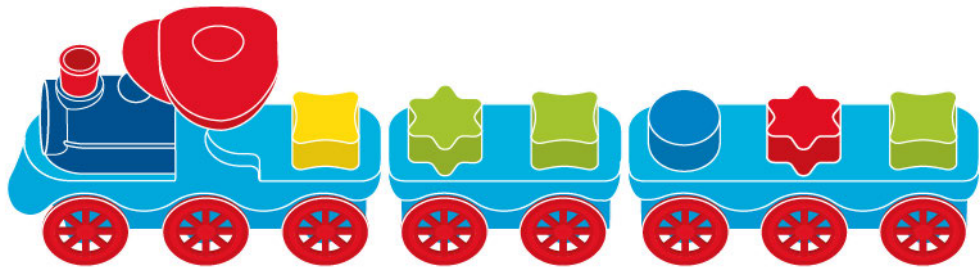
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SOLUTION 7

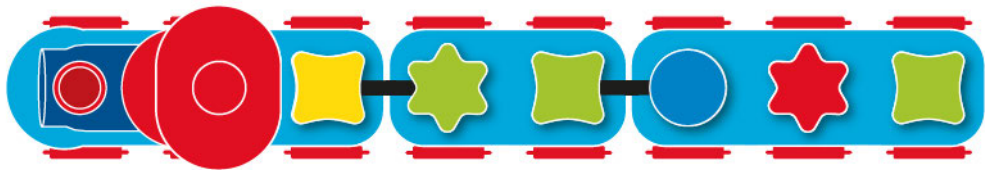
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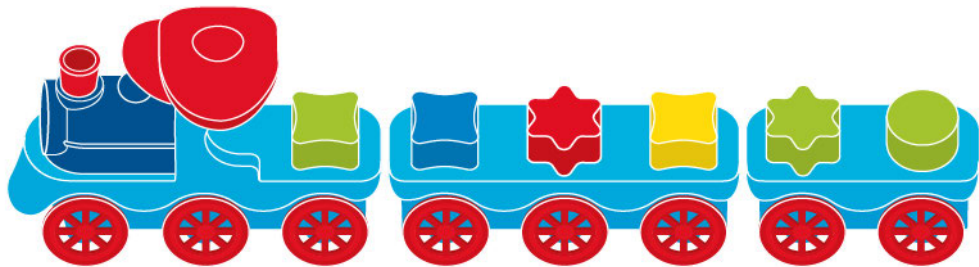
CHALLENGE 8

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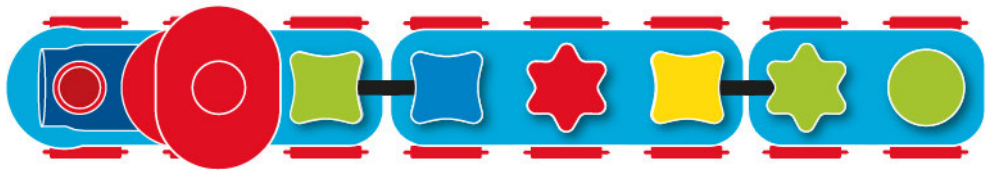
SOLUTION 8



CHALLENGE 9

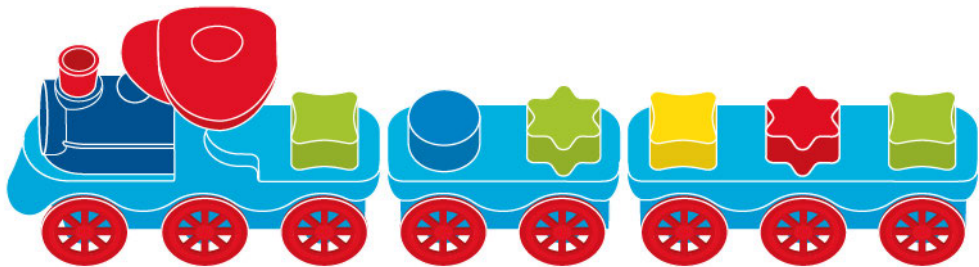
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SOLUTION 9

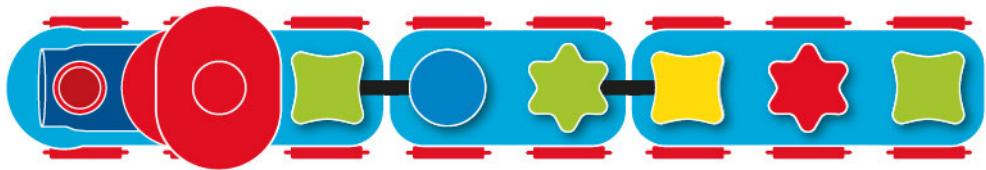
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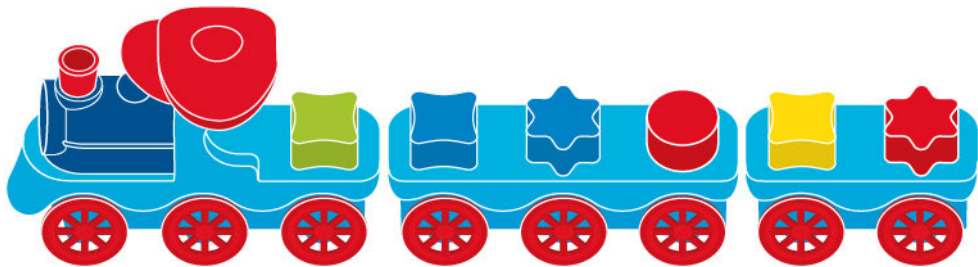
CHALLENGE 10

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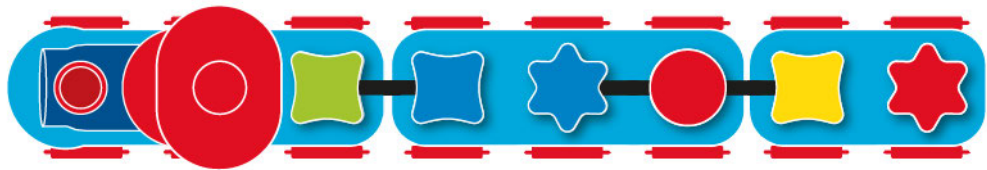
SOLUTION 10



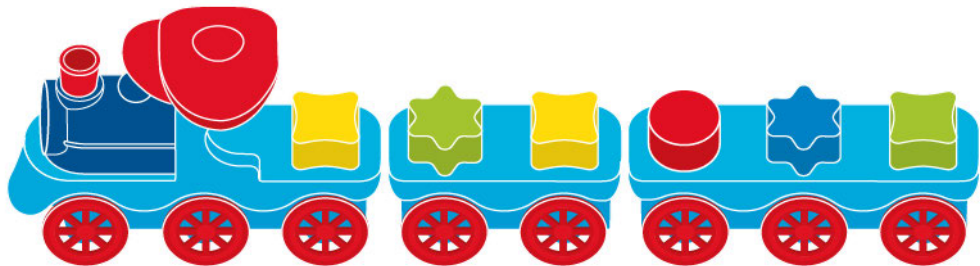
CHALLENGE 11

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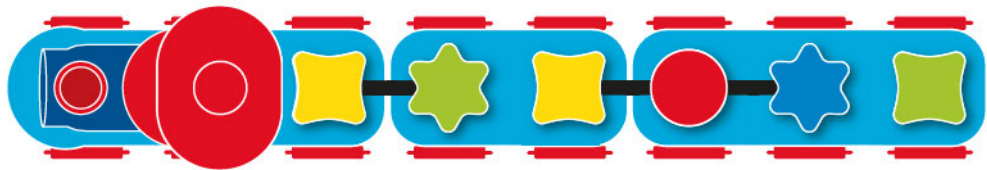


SOLUTION 11

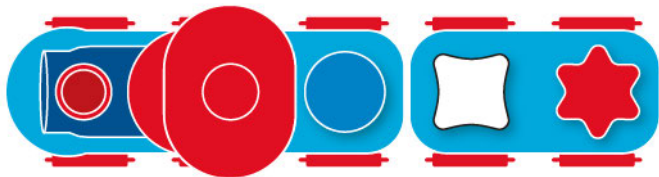


CHALLENGE 12





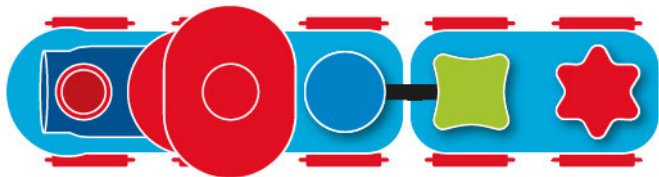
SOLUTION 12



CHALLENGE 13

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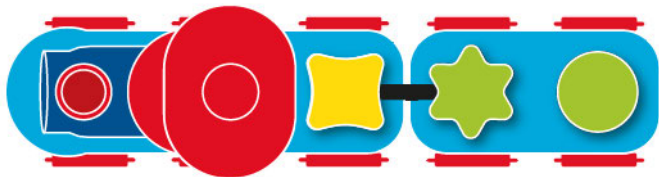
SOLUTION 13



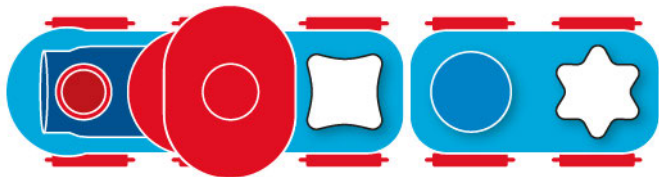
CHALLENGE 14

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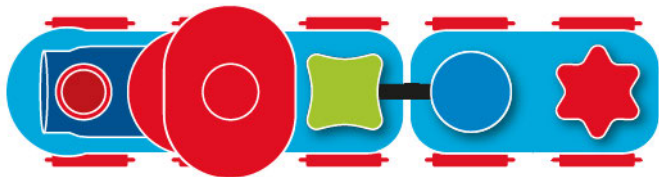
SOLUTION 14



CHALLENGE 15

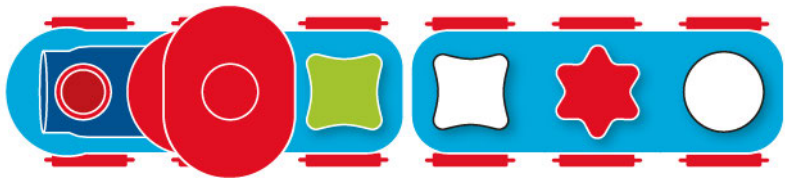
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SOLUTION 15

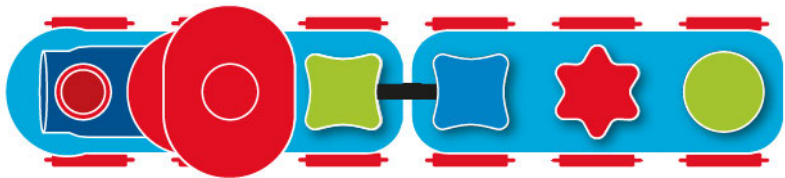
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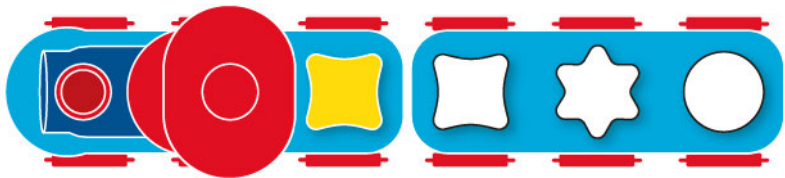
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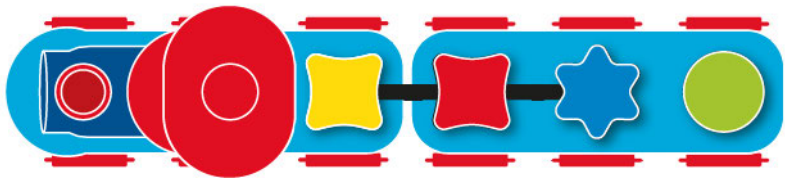
SOLUTION 16



CHALLENGE 17

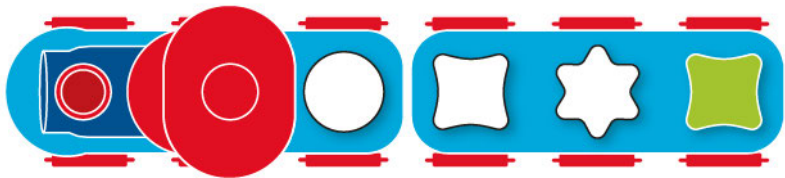
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SOLUTION 17

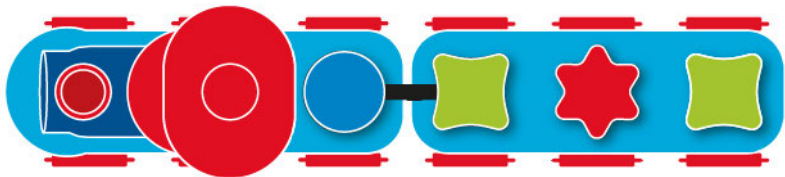
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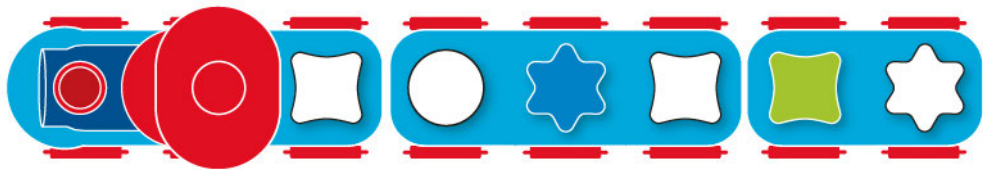
CHALLENGE 18

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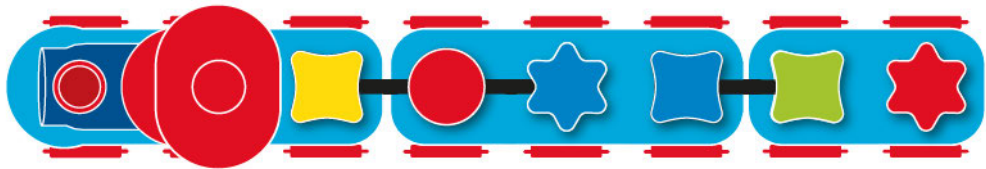
SOLUTION 18



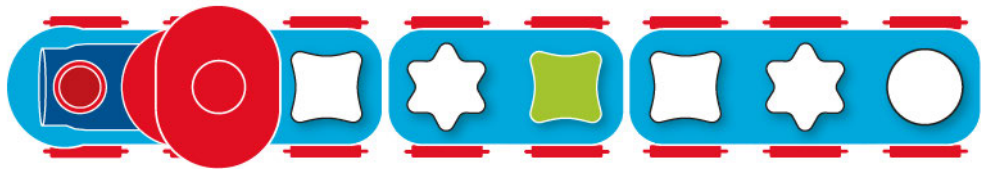
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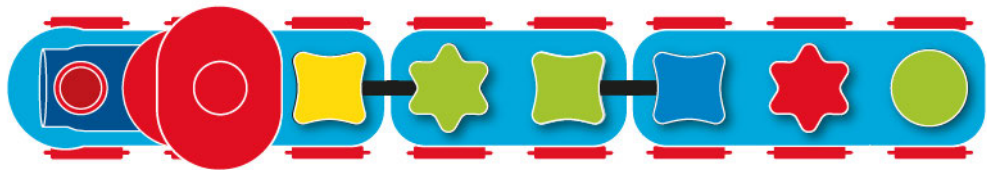
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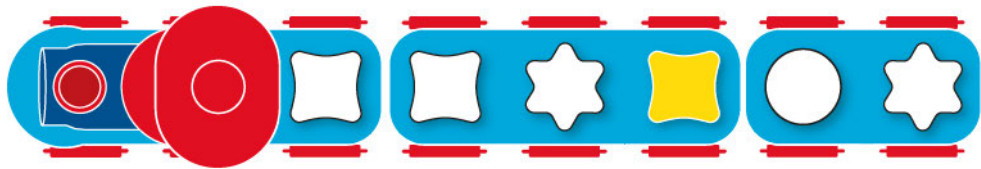
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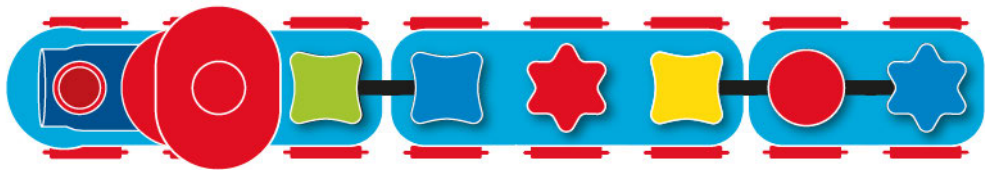
SOLUTION 20



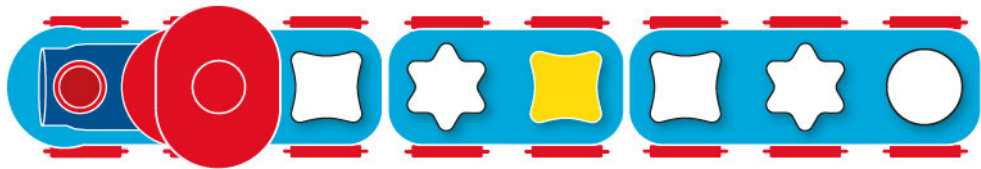
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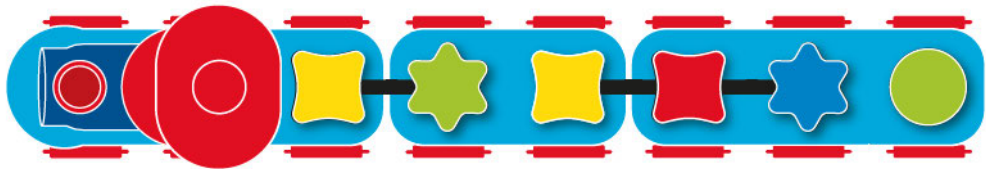
SOLUTION 21



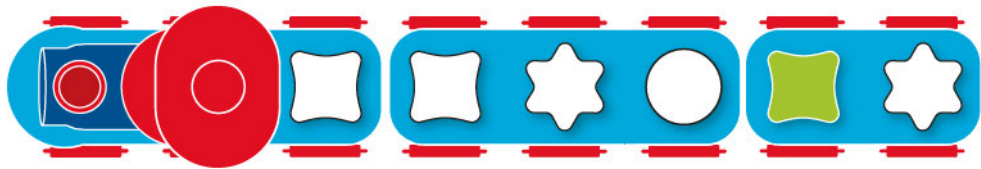
CHALLENGE 22

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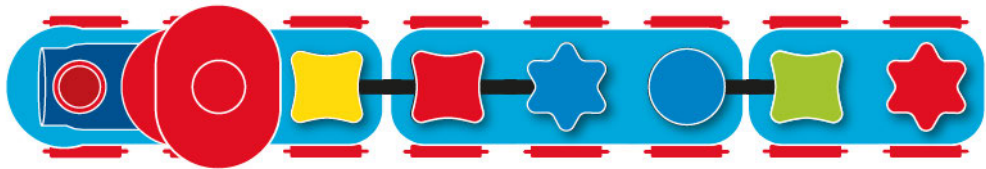
SOLUTION 22



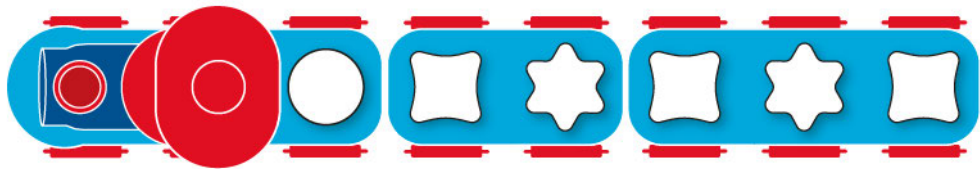
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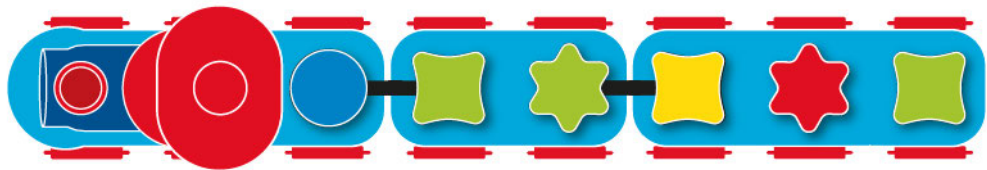
SOLUTION 23



CHALLENGE 24

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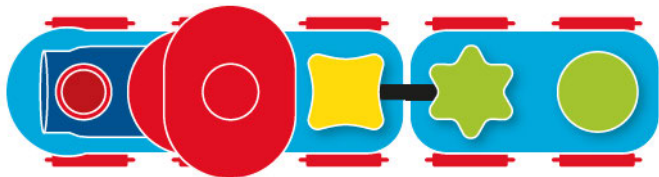
SOLUTION 24



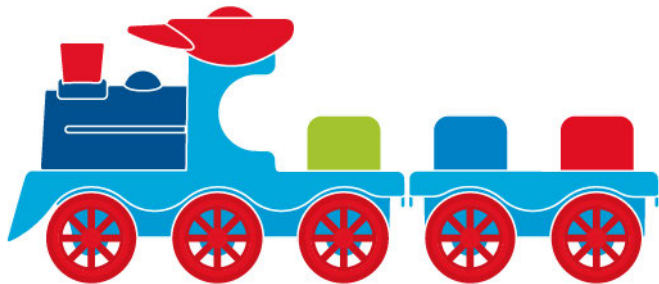
CHALLENGE 25

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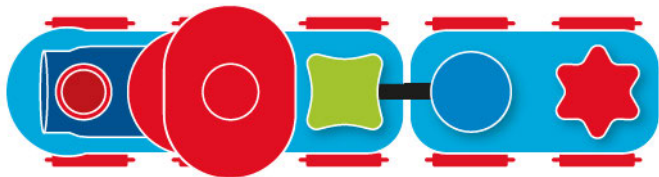
SOLUTION 25



CHALLENGE 26

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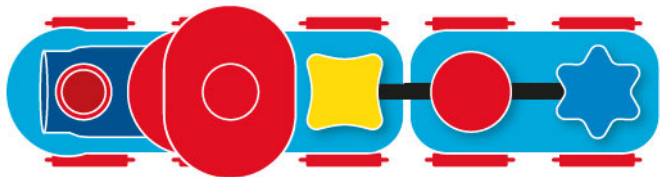
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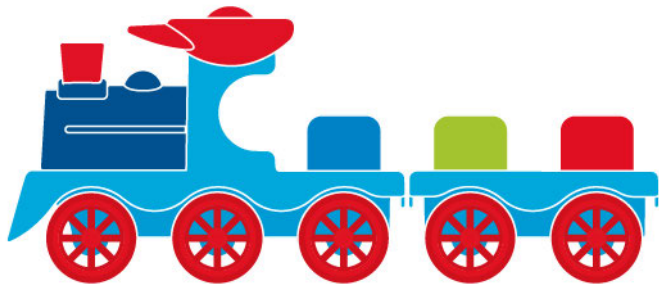
CHALLENGE 27

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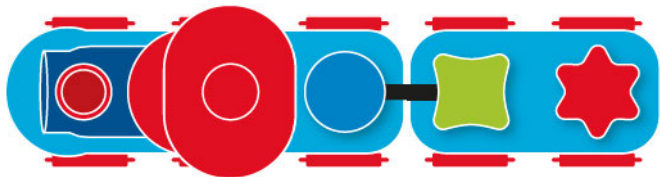
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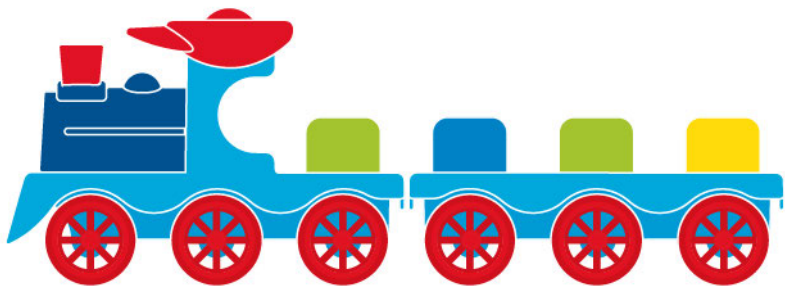
CHALLENGE 28

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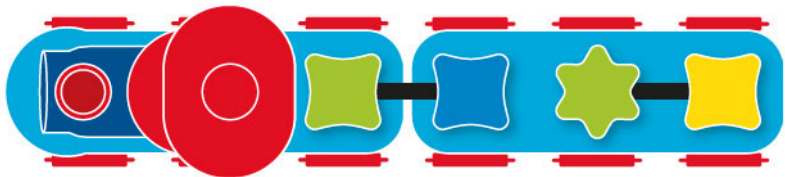
SOLUTION 28



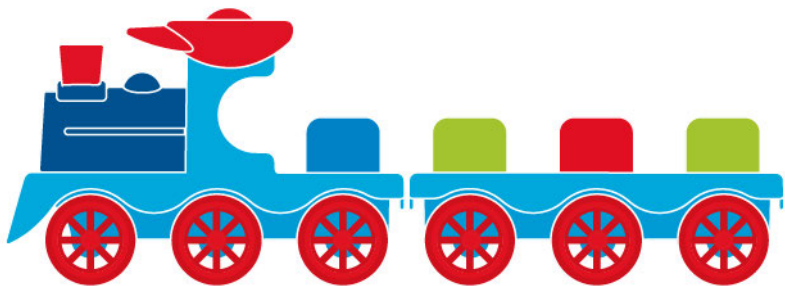
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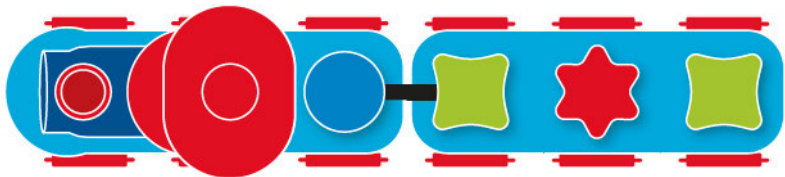
SOLUTION 29



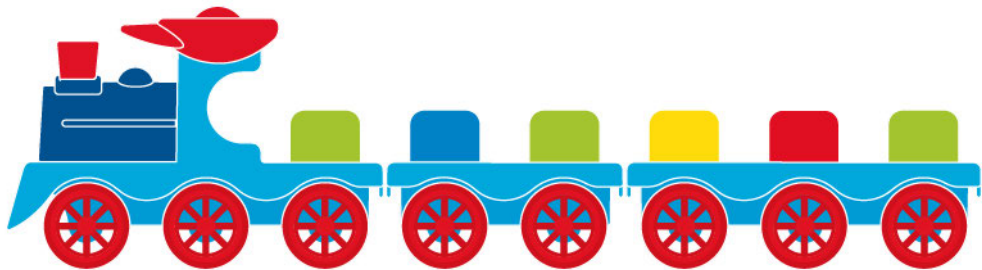
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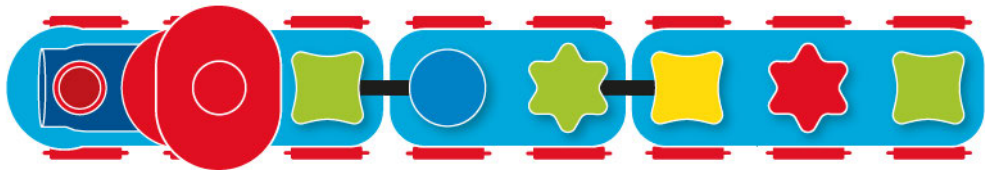
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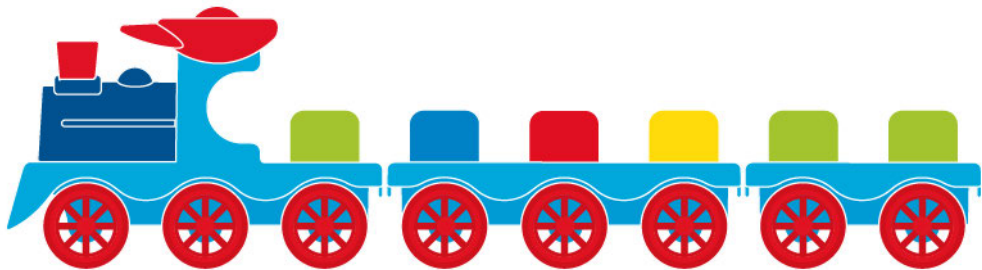
CHALLENGE 31

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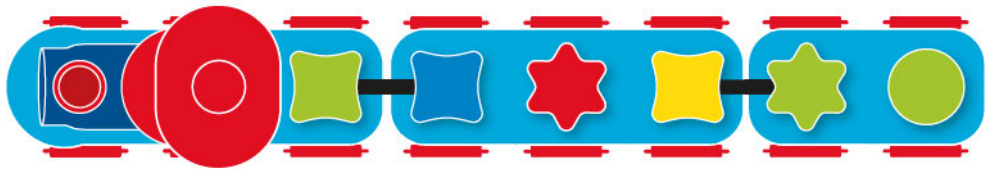
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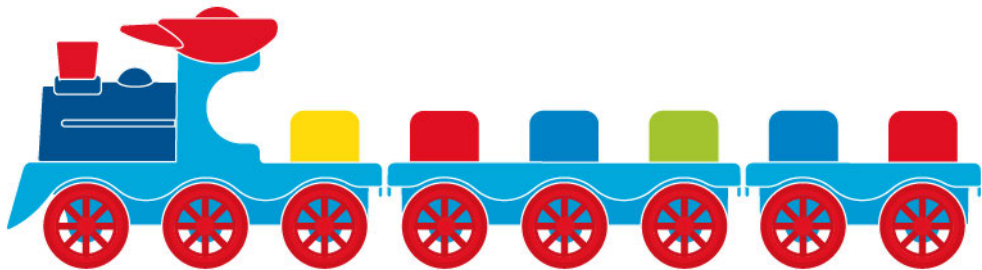
CHALLENGE 32

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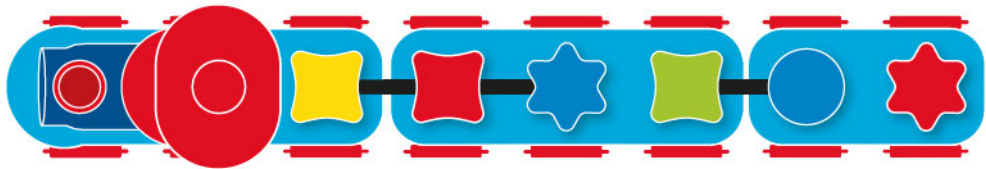
SOLUTION 32



CHALLENGE 33

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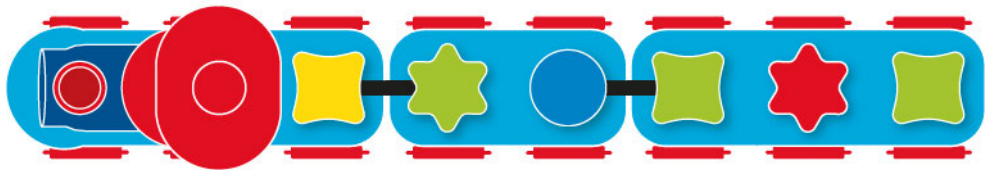
SOLUTION 33



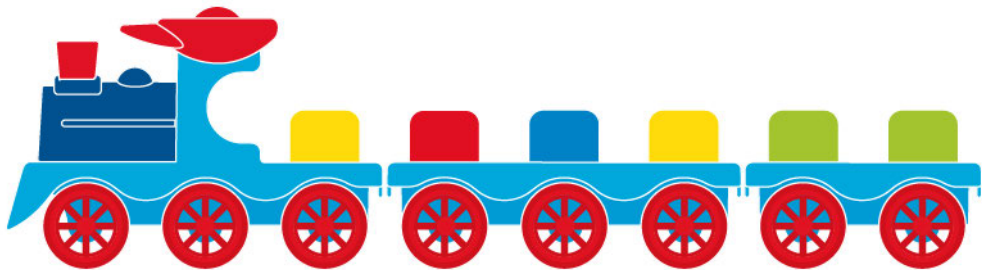
CHALLENGE 34

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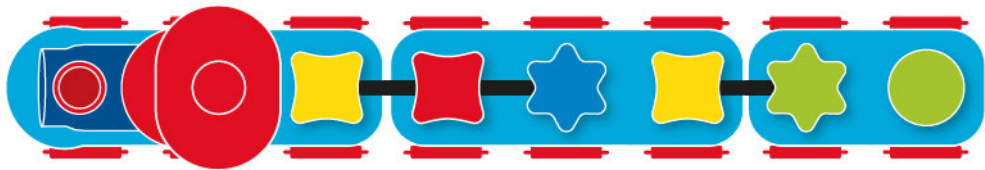
SOLUTION 34



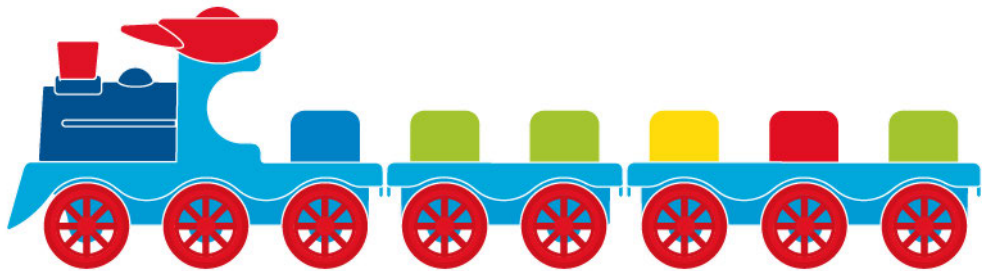
CHALLENGE 35

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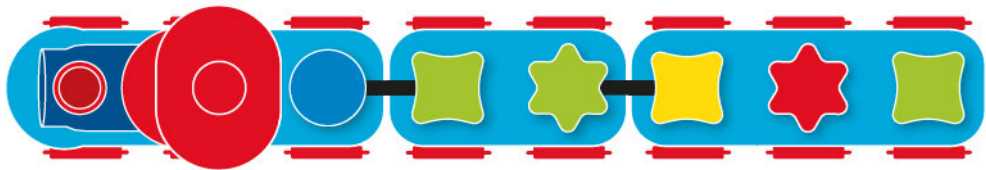
SOLUTION 35



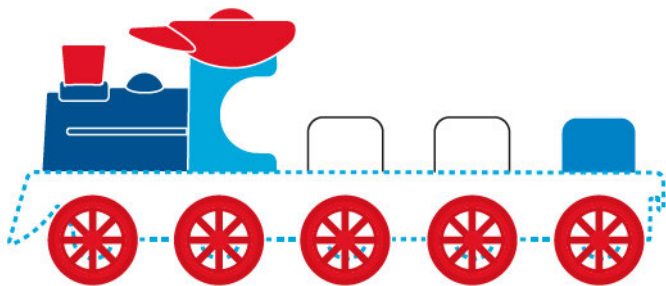
CHALLENGE 36

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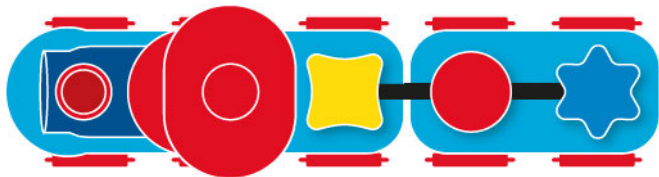
SOLUTION 36



CHALLENGE 37

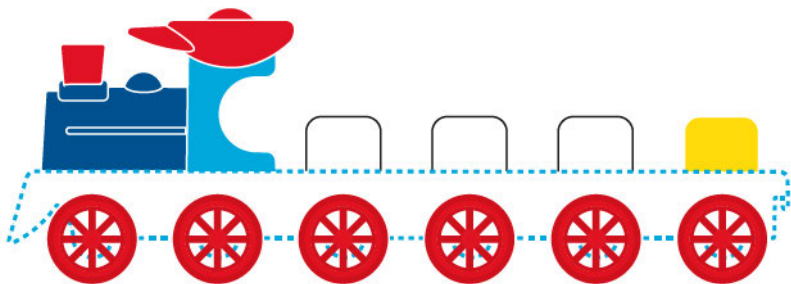
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SOLUTION 37

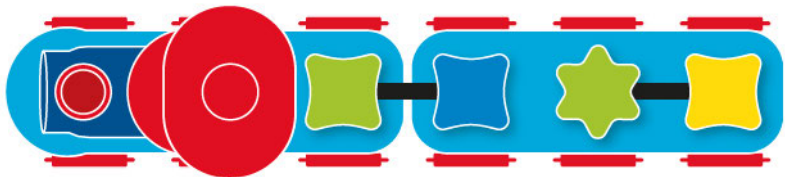
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CHALLENGE 38

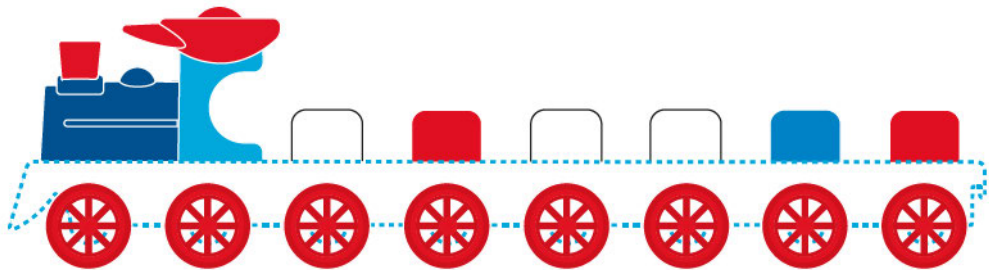
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SOLUTION 38

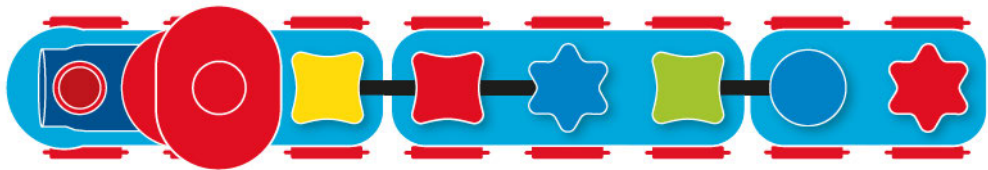
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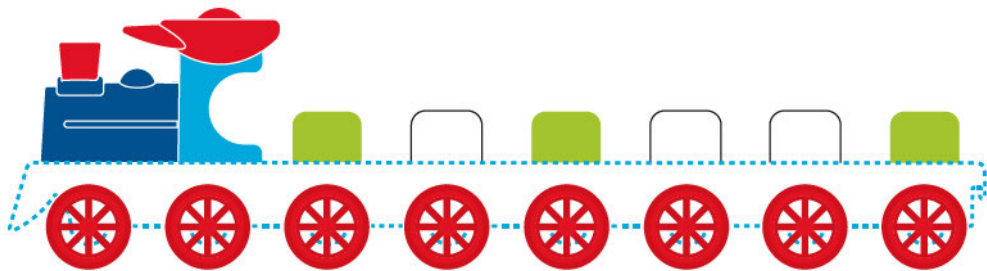
CHALLENGE 39

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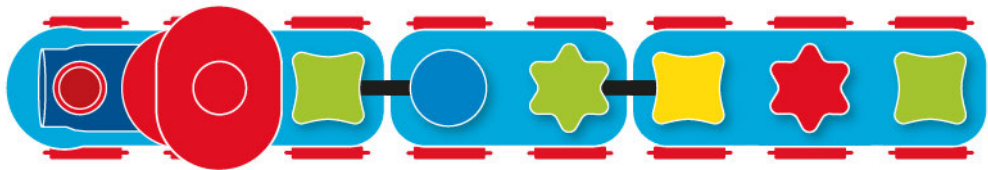
SOLUTION 39



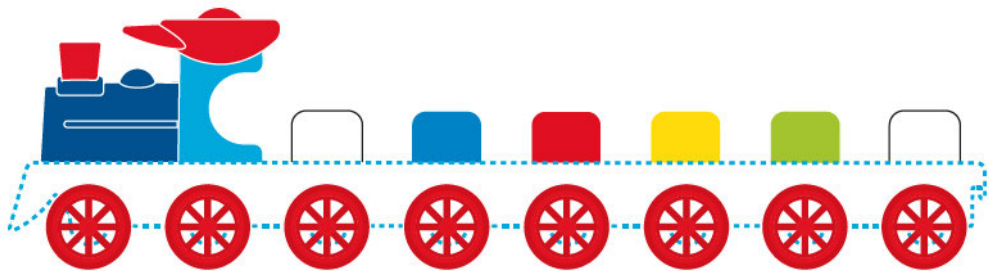
CHALLENGE 40

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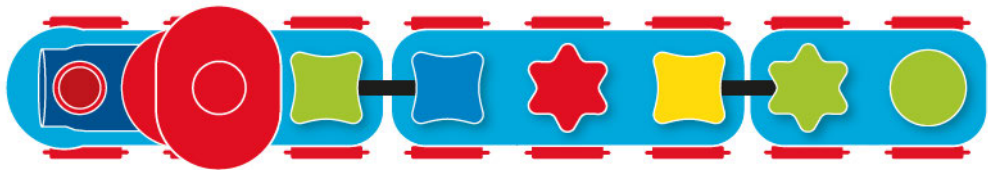
SOLUTION 40



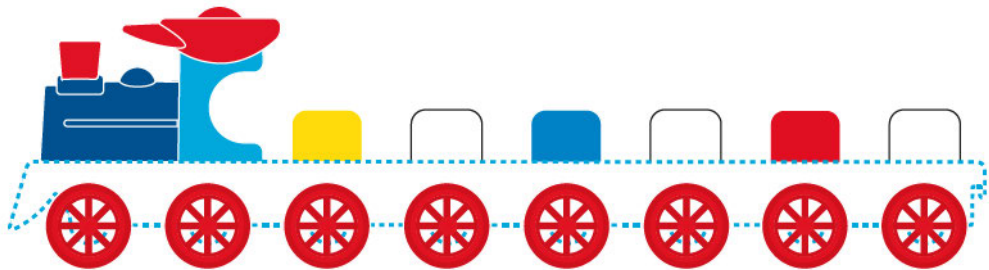
CHALLENGE 41

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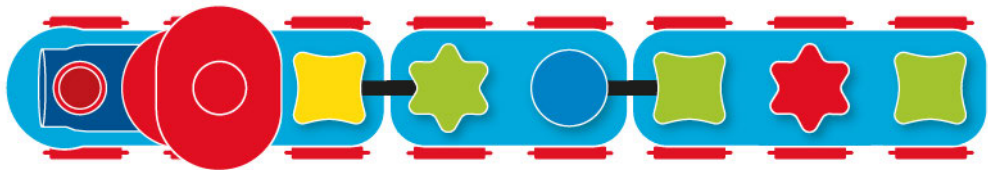
SOLUTION 41



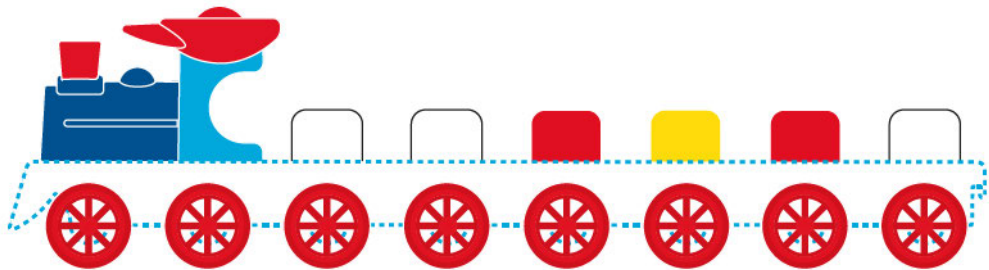
CHALLENGE 42

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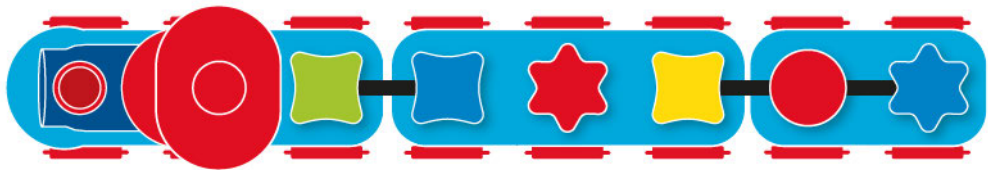
SOLUTION 42



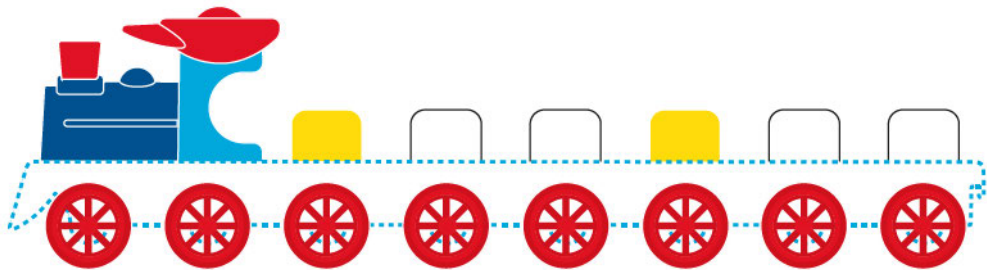
CHALLENGE 43

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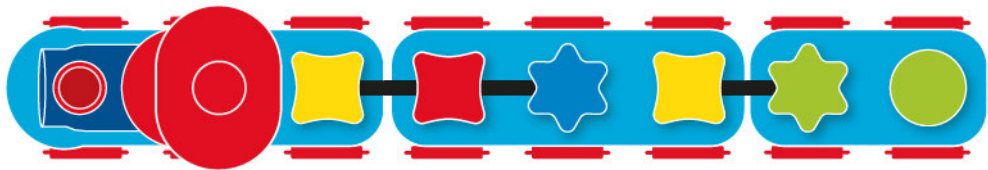
SOLUTION 43



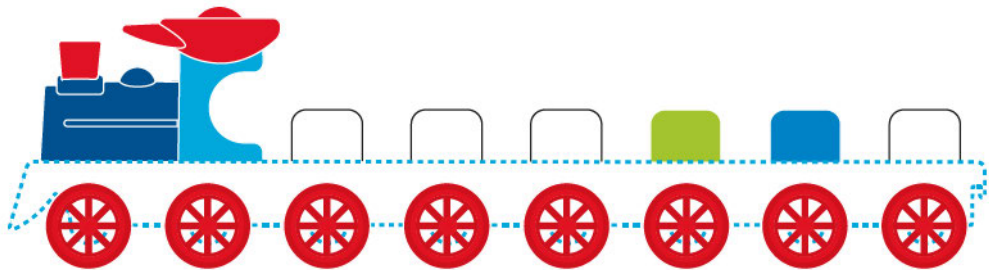
CHALLENGE 44

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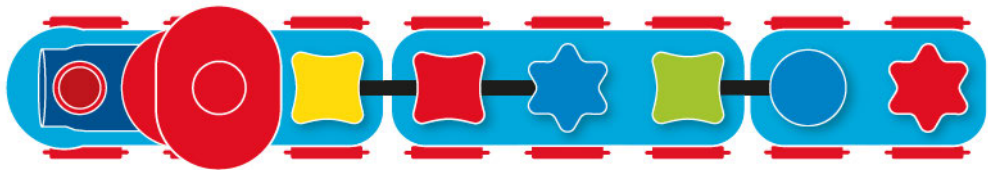
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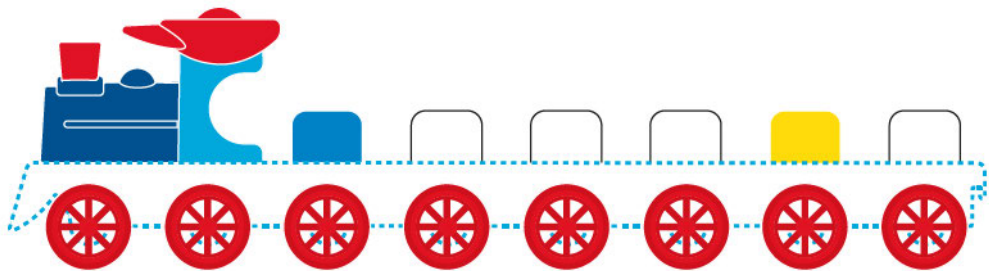
CHALLENGE 45

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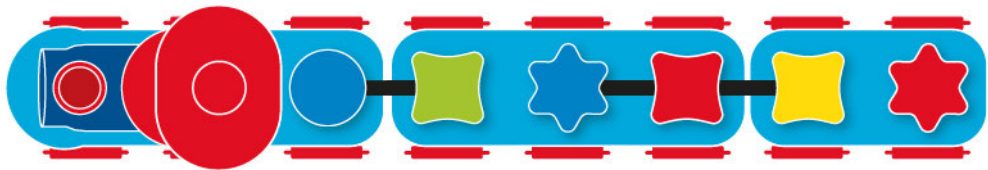
SOLUTION 45



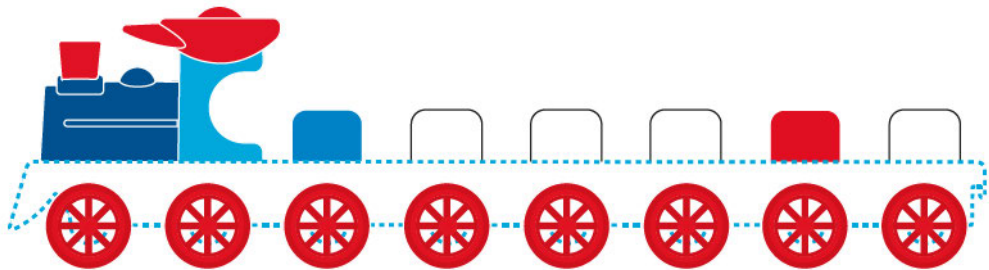
CHALLENGE 46

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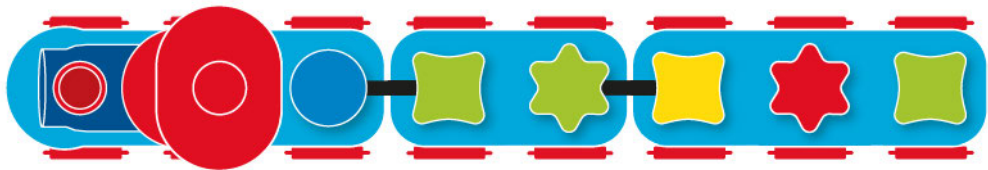
SOLUTION 46



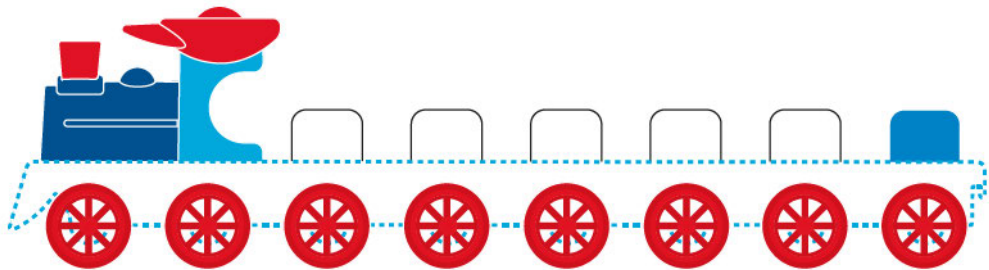
CHALLENGE 47

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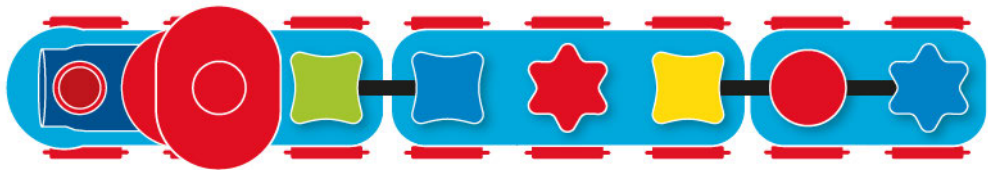
SOLUTION 47



CHALLENGE 48

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SOLUTION 48





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