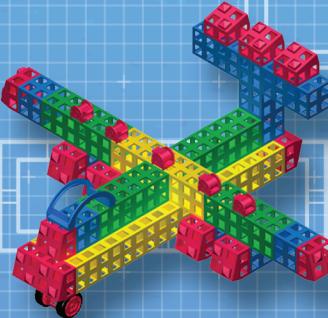
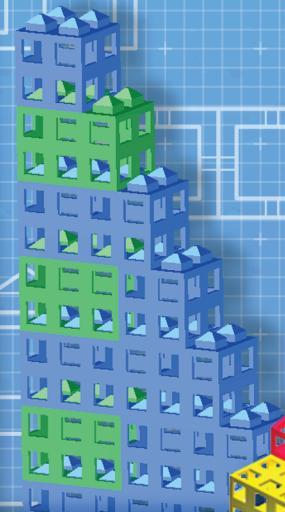
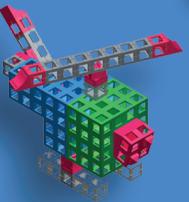
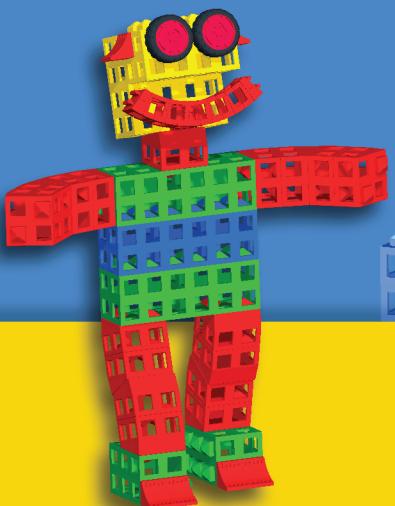


ROKENBOK®

Teaching Kids to Make
Things That Do Things

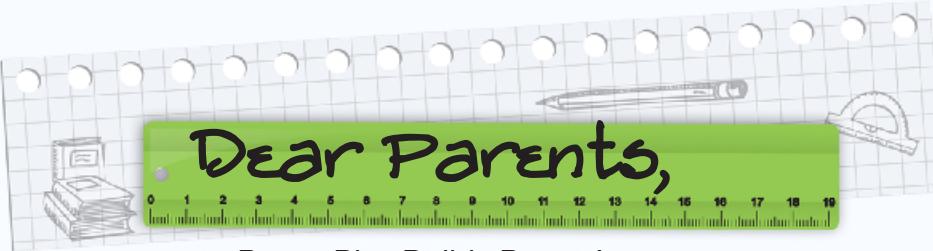
Makes
7 ROK'n
Builds!



WARNING:
CHOKING HAZARD.
Toy contains small parts.
Not for children under 3 years.

MAKER ROK BLOCKS

3+
04866



Better Play Builds Better Learners

Playing with ROK Blocks fosters important “executive functions” that determine academic readiness and success. ROK Blocks are designed to engage students’ minds, eyes, and fine motor skills in correspondence with the Common Core State Standards Initiative.

Through ROK Blocks play children will learn:

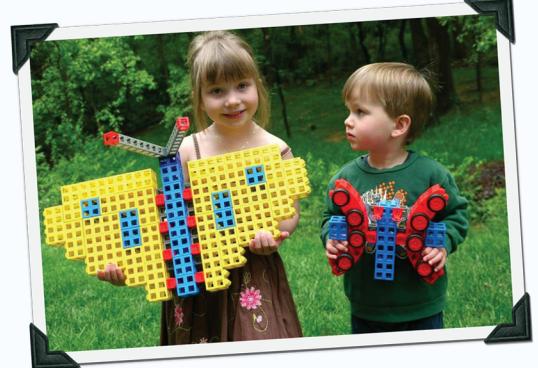
- Counting, measuring, and one-to-one correspondence
- Solve problems involving addition and subtraction
- Represent and interpret data
- Reason with shapes, physical properties, and their attributes
- Identify, classify, and compare relationships

Common Core STATE STANDARDS INITIATIVE

Common Core State Standards create consistent educational goals for students across the country and for every grade level. Rokenbok can be used to teach these Standards in a hands-on and fun way.

Every time we introduce a Common Core State Standard you will see it denoted with this icon:





Tip One: Play Alongside your child

Playing with your child will have positive developmental impacts. Left on their own, children will often avoid more difficult challenges, like the hinge or swivel blocks. When an adult introduces new possibilities, children tend to persist through to the completion of challenges and learn to ask for help.



Tip Two: Ask Questions

Help your child visualize the steps required to complete a design. Ask what they see when they look at a plan sheet. Building with ROK Blocks is an opportunity to develop language skills as well as spatial and fine motor skills.

You can ask questions like:

- How many blocks are there of each color?
- How many round parts do you have?
- How many yellow blocks do we need?

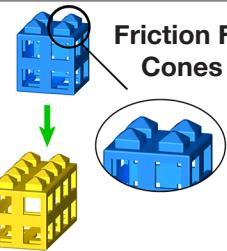




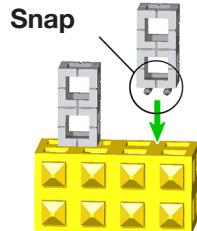
Tip Three: Know Your Blocks

Certain blocks are inherently more challenging than others. Guide your child through the different combinations and teach them how to make their builds stronger.

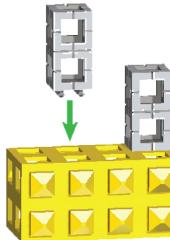
Becoming familiar with the blocks will inspire innovative use, promote verbal fluency during play, and facilitate fine motor skill development.



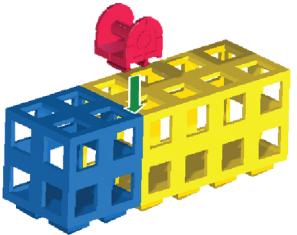
Friction fit is the easiest way to connect blocks.



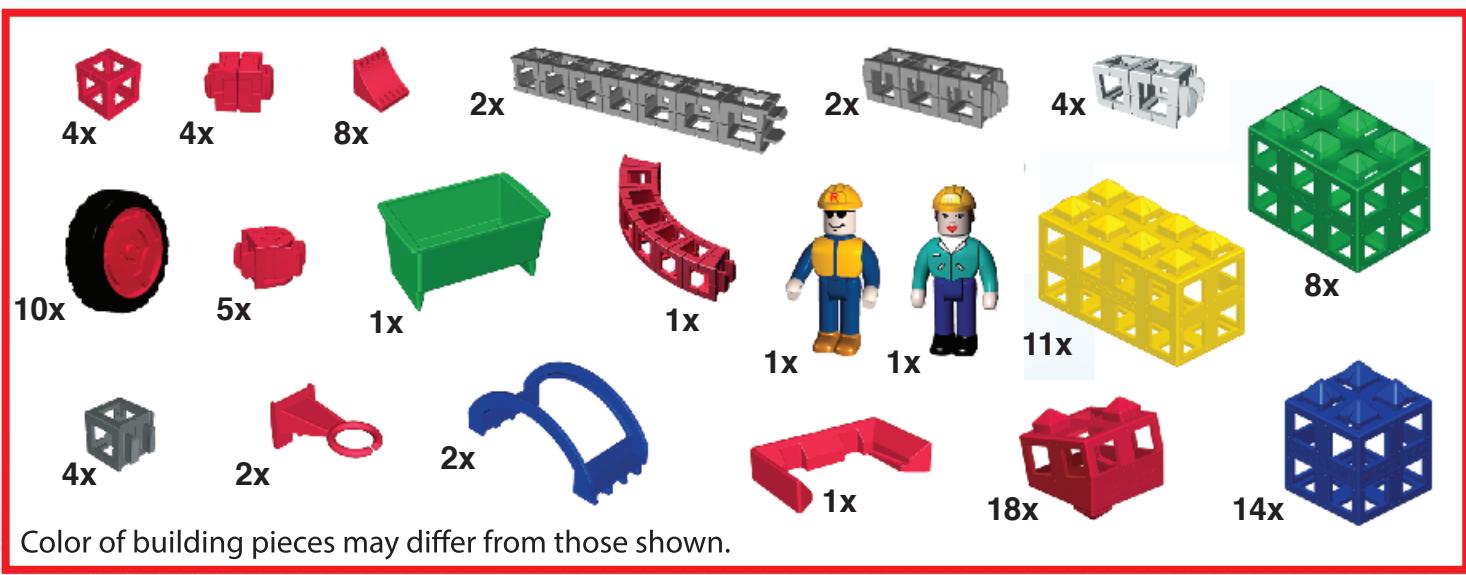
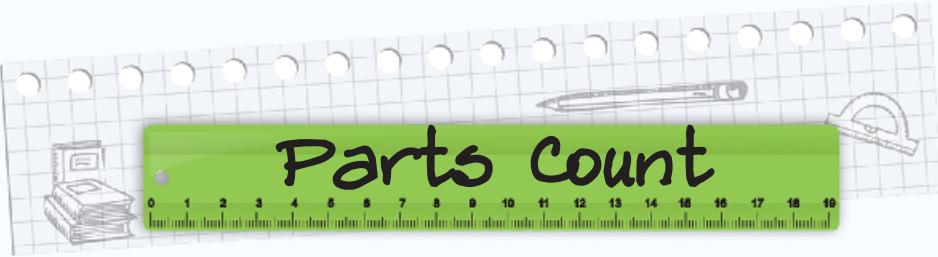
Next, try snapping across the bridge between two holes.



Last, snapping into the hole is the most challenging.



Create a stronger bond by snapping across the seam of two blocks.



PYRAMID

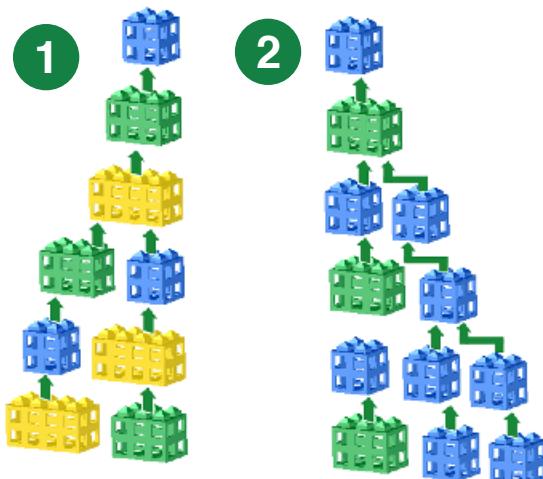


COUNTING & COMPARING

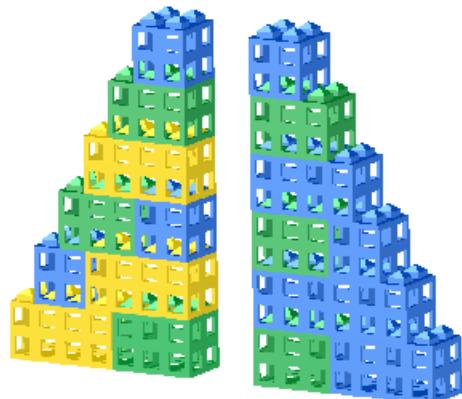
- Count the blocks in the left half pyramid and the right half. Which has more blocks?
- How many blocks tall is the pyramid?
- How many blue, yellow, and green blocks do you have? How many blocks total?

BILL OF MATERIALS

| | | |
|---------|--------|--------|
| 12x | 6x | 3x |
|---------|--------|--------|



How many **blue** blocks equal
one **yellow** block?



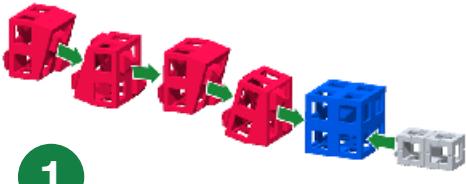
CASTLE WALL



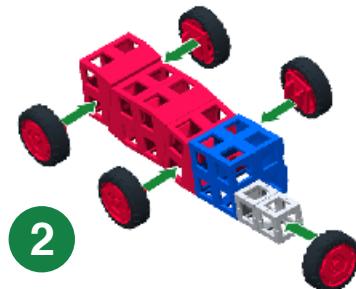
ANALYZE, COMPARE & CREATE SHAPES

- Build the ram and castle wall. Test the wall strength.
- How can we make the wall stronger?
- Test your solution. Explain what happened.

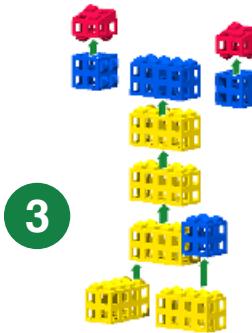
BILL OF MATERIALS



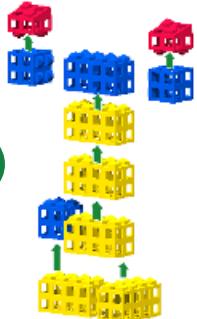
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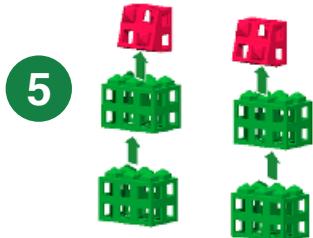
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3



4



5



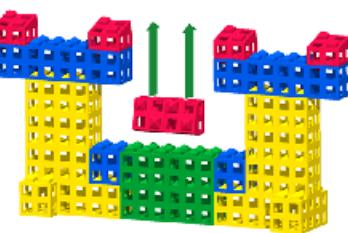
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CASTLE WALL

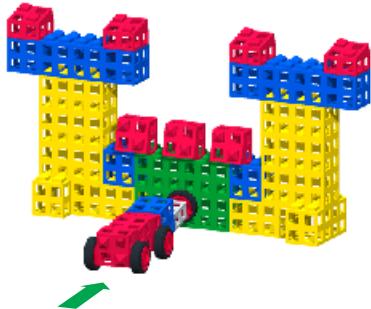
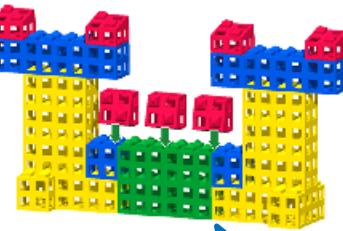
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8



9



ANALYZE, COMPARE & CREATE SHAPES

- What was the difference between the two walls?
- Separate the blocks by color. What are the similarities? What are the differences?

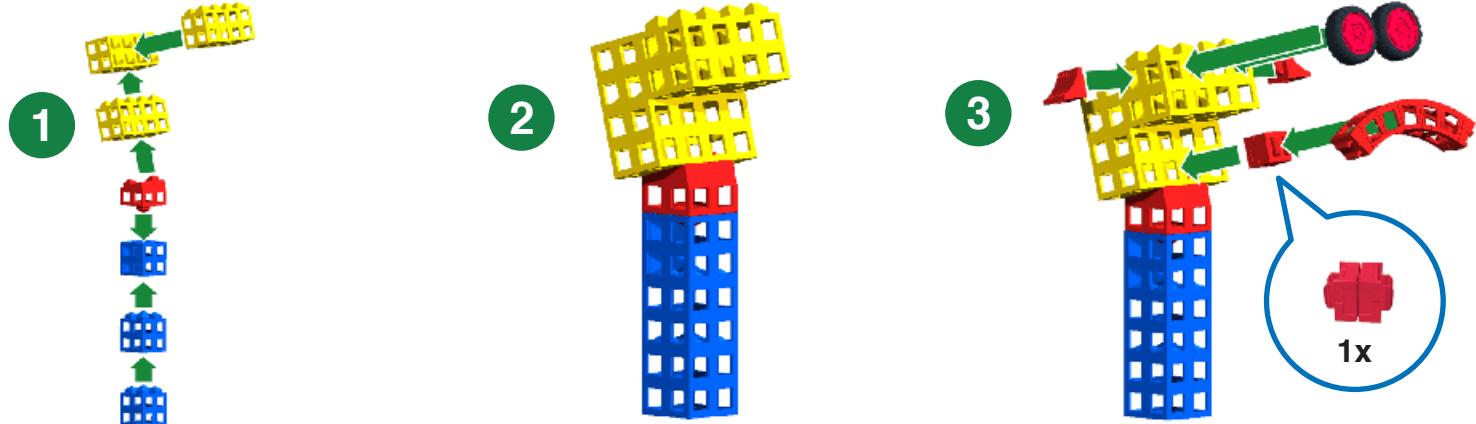
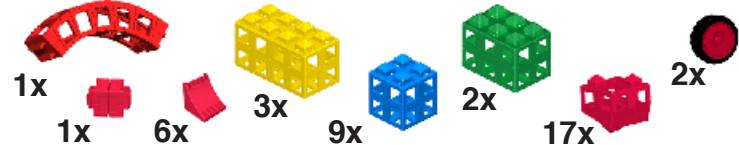
SAD ROBOT



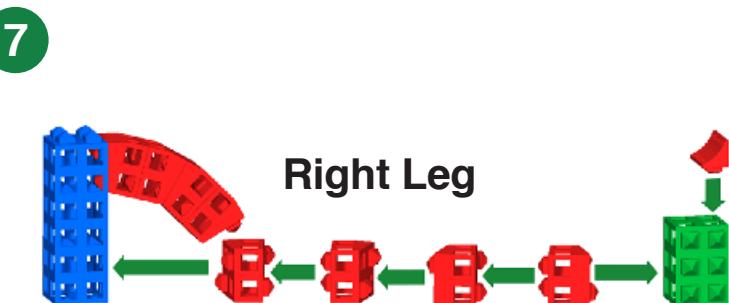
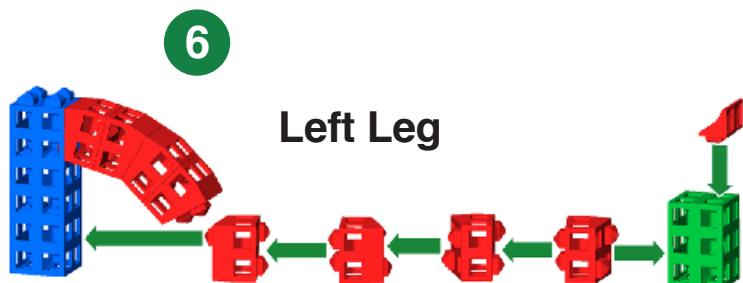
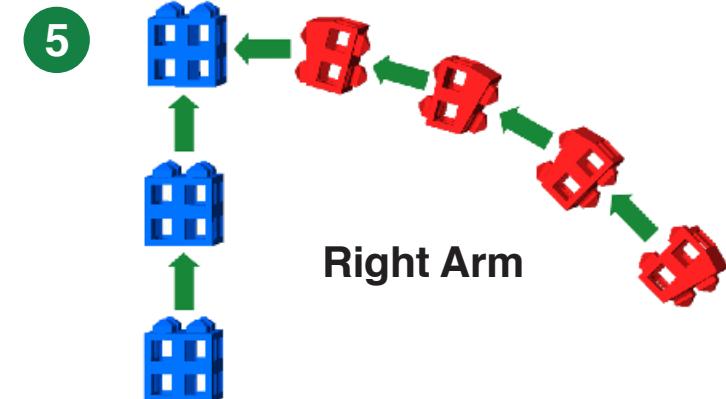
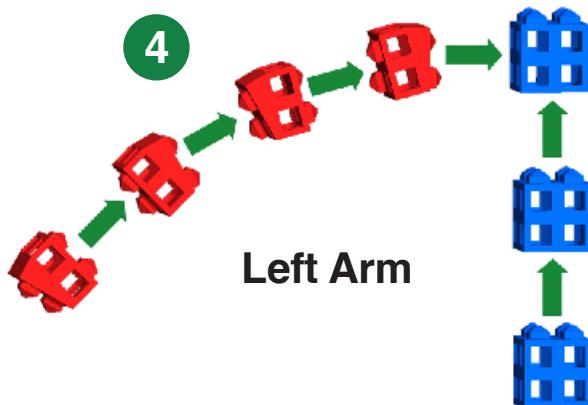
MAKE SENSE OF PROBLEMS &
PERSEVERE IN SOLVING THEM

- Build Sad Robot.
- Pick up Sad Robot. What happened?
- Poor Sad Robot wants to be whole. How can you build him stronger?
- Build Happy Robot. How is he different from Sad Robot?

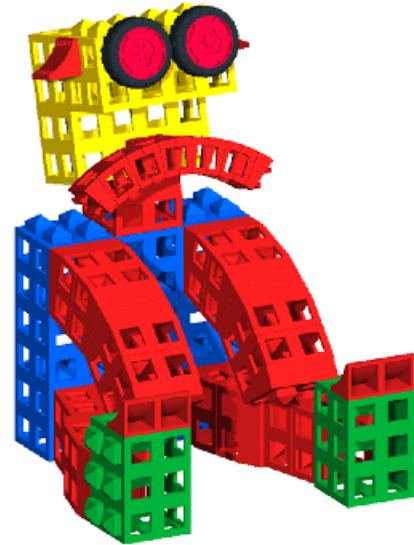
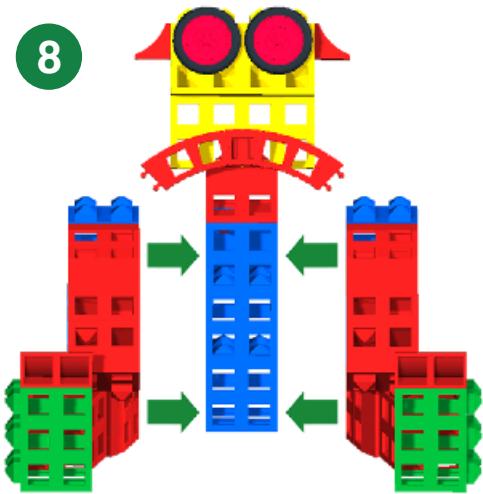
BILL OF MATERIALS



SAD ROBOT

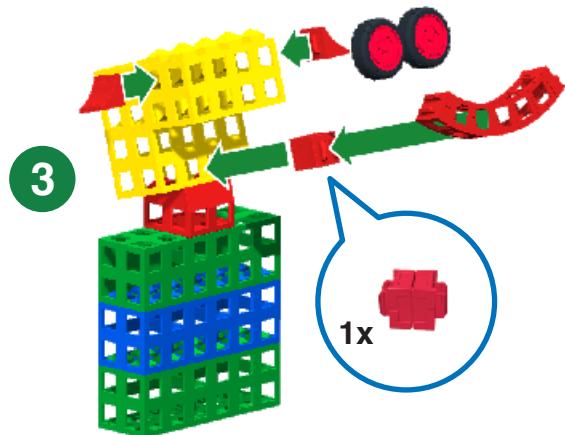
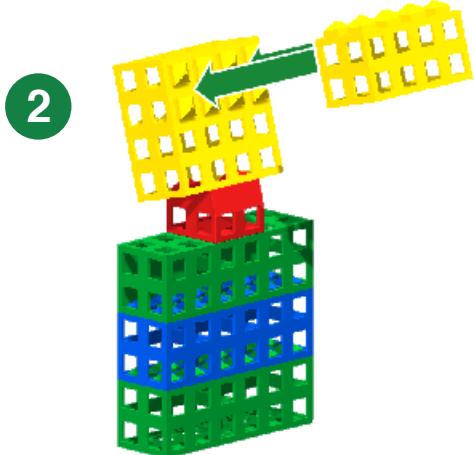
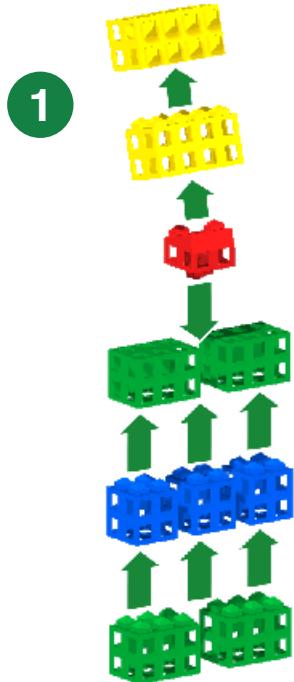
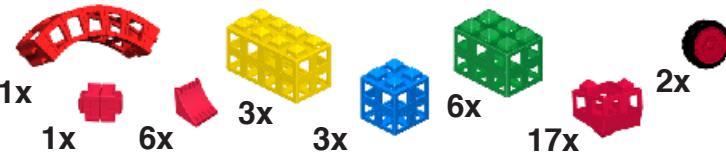


SAD ROBOT



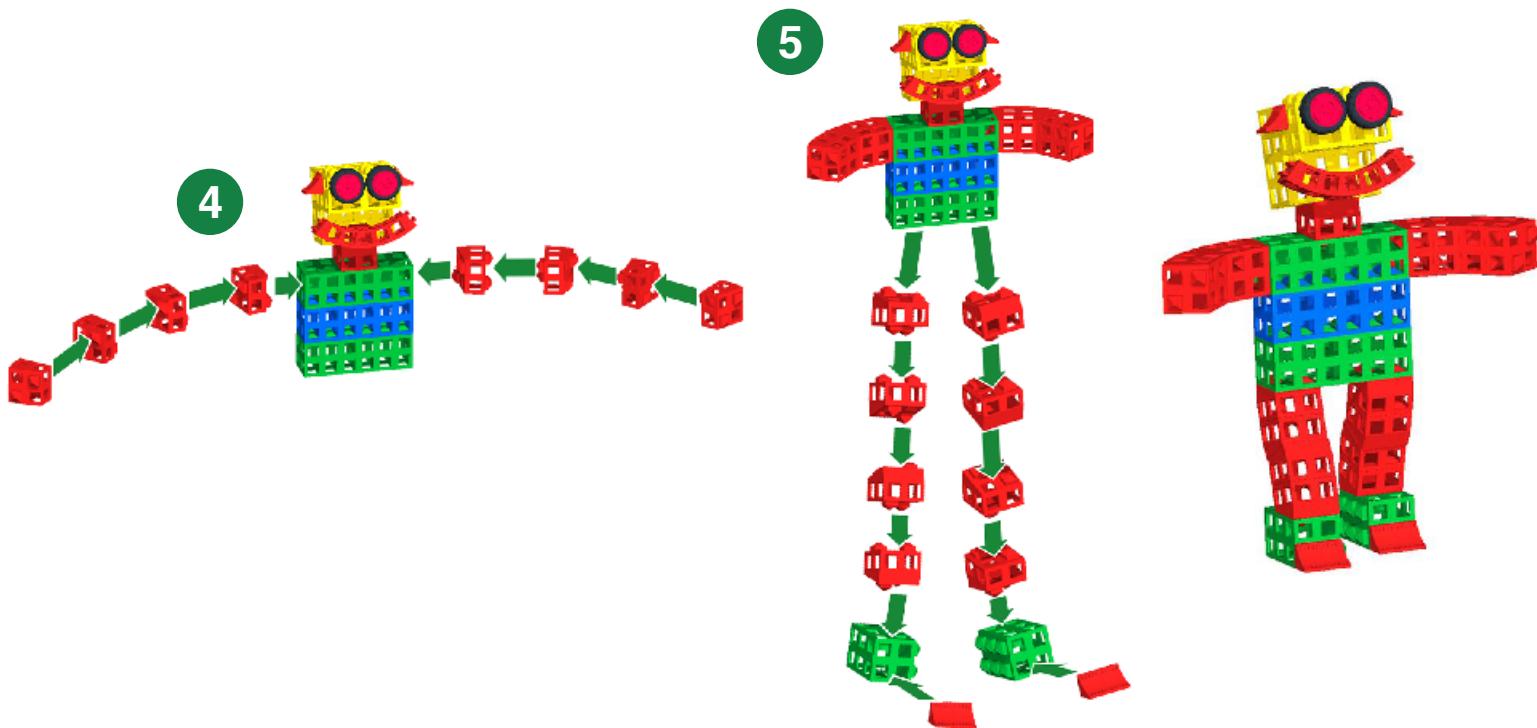
HAPPY ROBOT

BILL OF MATERIALS



1x

HAPPY ROBOT



JUMBO JET



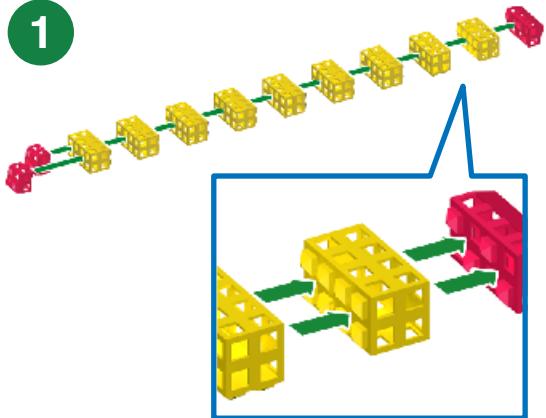
CLASSIFY AND COUNT OBJECTS

- Collect the parts seen in the Bill of Materials.
- Group all small parts. How many do you have?
- Group all large parts. How many do you have?
- If you add the small and large parts, how many do you have?

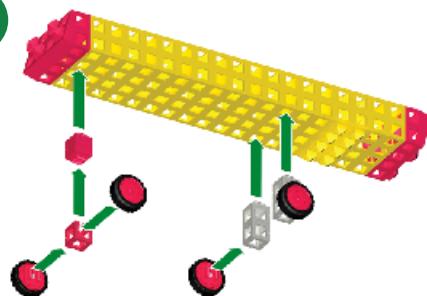
BILL OF MATERIALS

| | | | | |
|----|-----|----|-----|-----|
| 2x | 11x | 8x | 14x | 1x |
| | | | | |
| 5x | 1x | 1x | 4x | 14x |
| | | | | |
| | | | | |

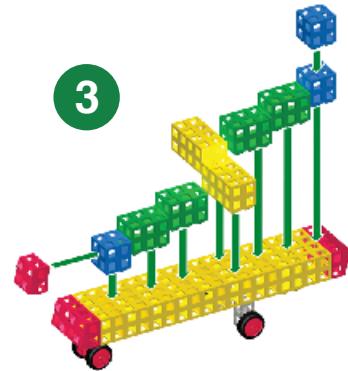
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2

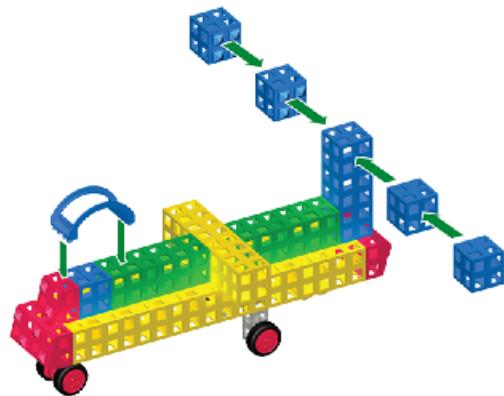


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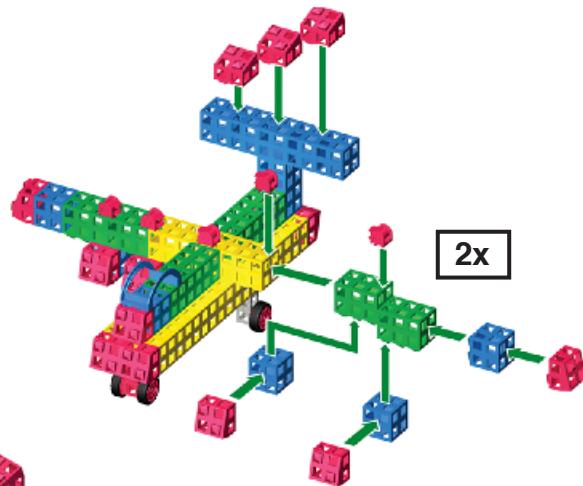


JUMBO JET

4



5



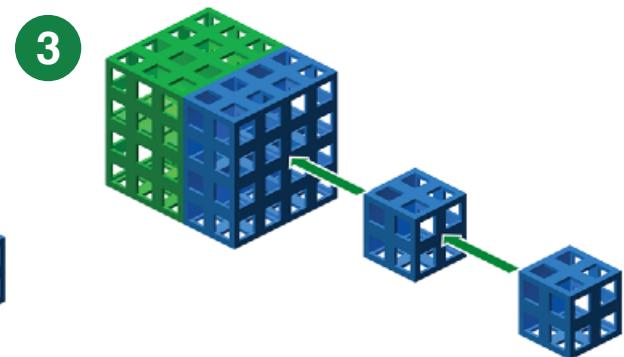
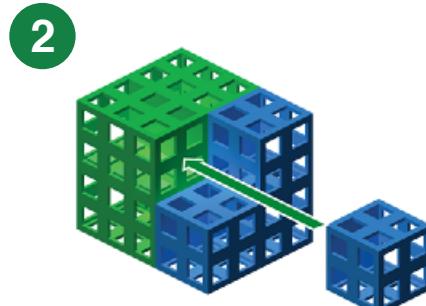
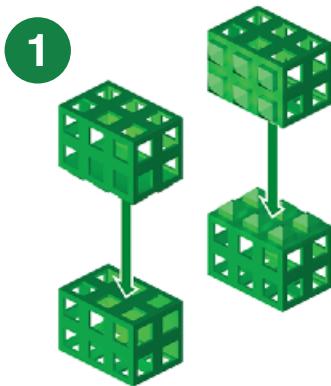
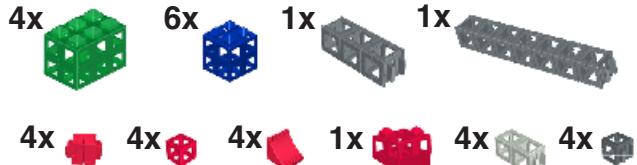
HELICOPTER



DESCRIBE MEASURABLE ATTRIBUTES

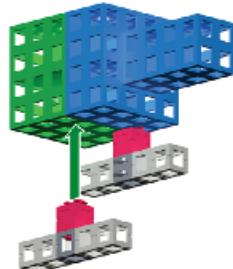
- Set out a gray half beam and gray full beam. What do you notice about the beams?
- How can you tell the full beam is longer than the half beam?
- Use the red block to measure the length of both beams. Count out loud the length of each beam.

BILL OF MATERIALS

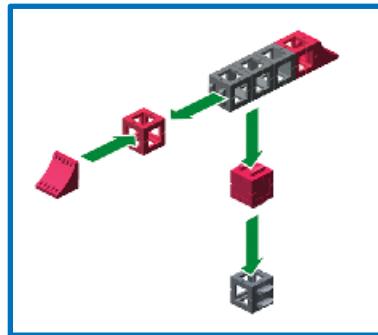
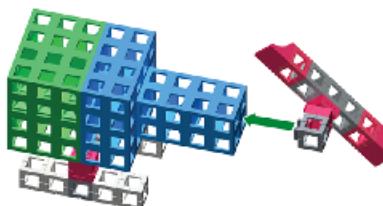


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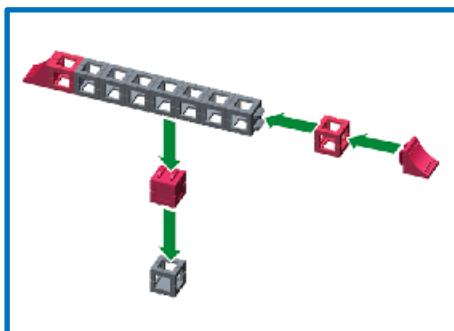
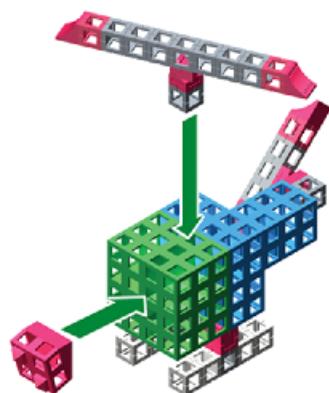
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5



6



Common Core K.G.A.1

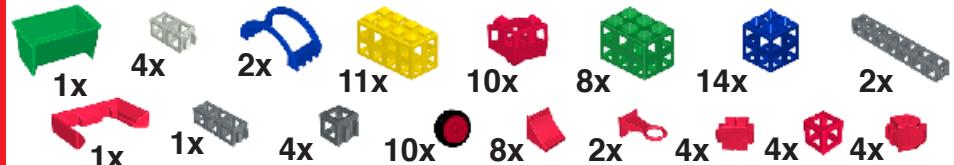
SEMITRUCK



CLASSIFY AND COUNT

- Group parts by color.
- How many groups are there?
- What group has the most parts?

BILL OF MATERIALS



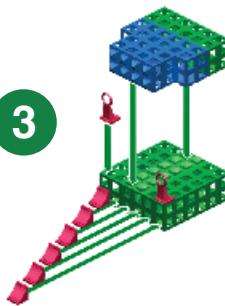
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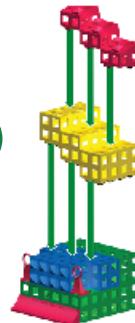
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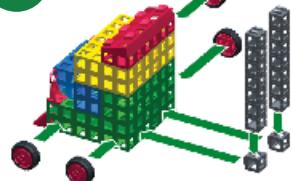
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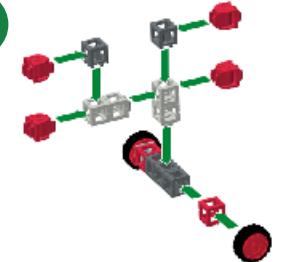
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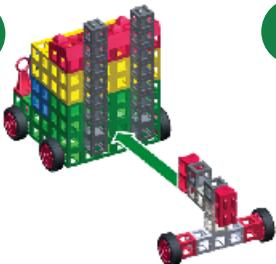
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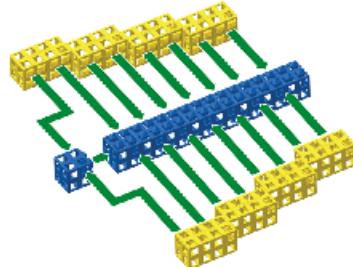
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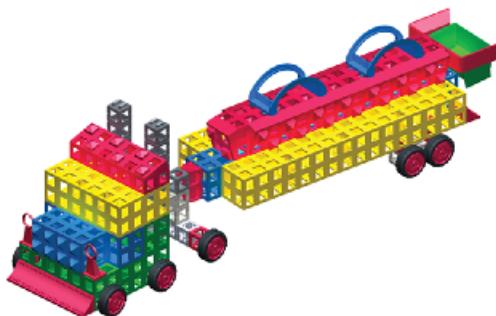
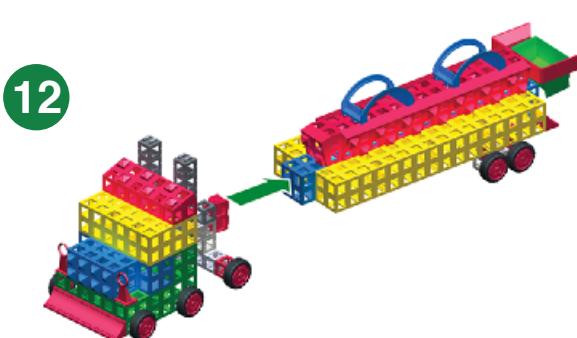
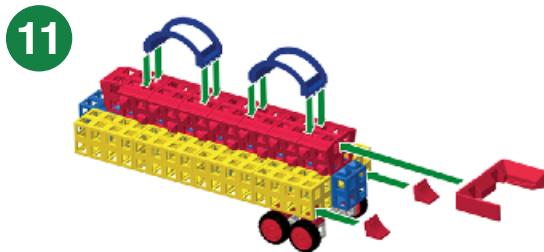
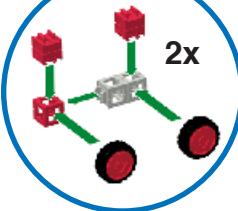
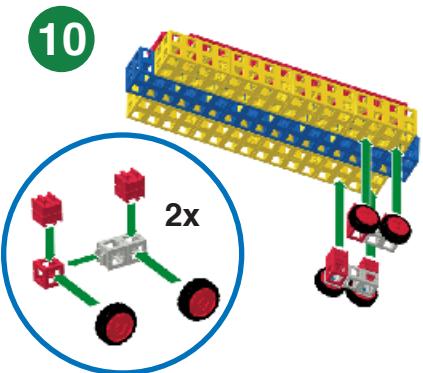
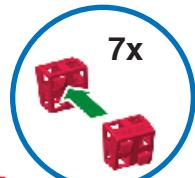
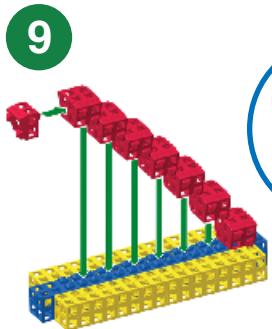


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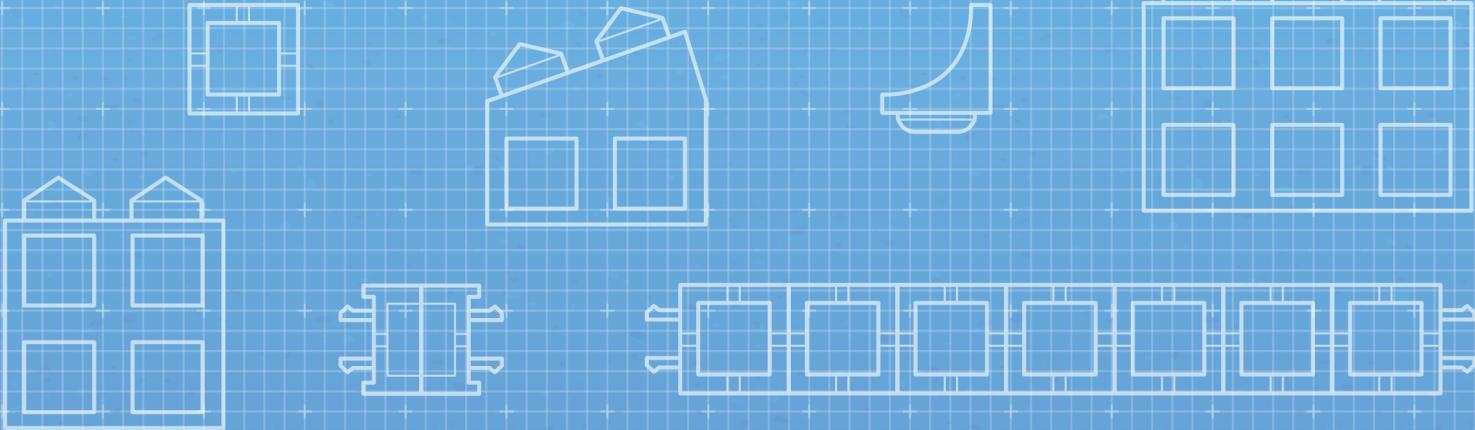


Common Core K.MD.B.3

SEMITRUCK



Common Core K.MD.B.3



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