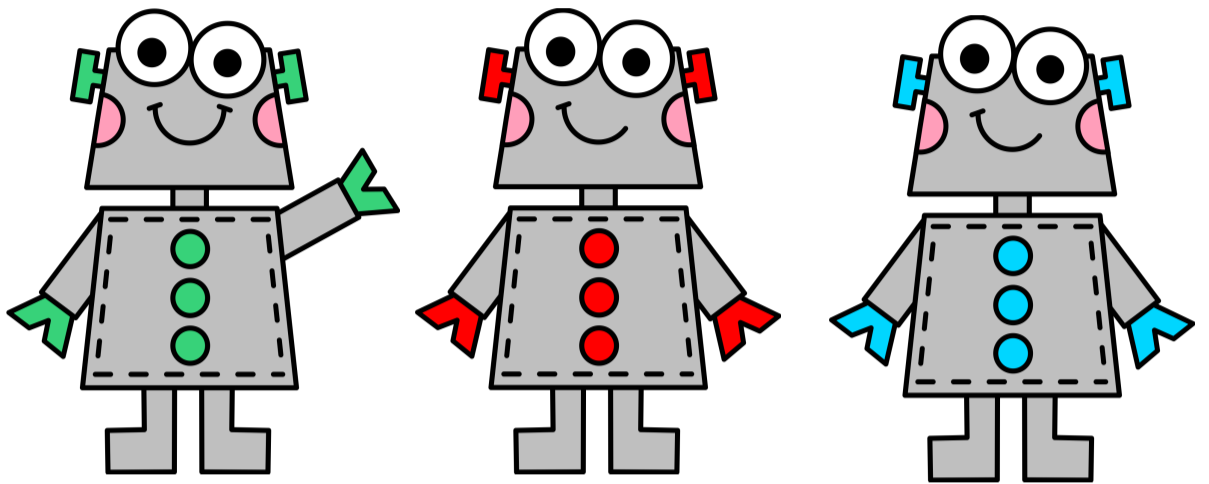


# CREATE A ROBOT

## Area and Perimeter Project

### Directions:



- \* The year is 2055.
- \* You have been hired to design a ROBOT that will do chores for kids.
- \* Choose a ROBOT card from the next page. Cards 1 is the easiest. Cards 2, 3, & 4 are more of a challenge. You choose.
- \* Use as many pieces of graph paper as you need to cut out the correct size shapes listed on your card.
- \* Build your ROBOT however you like, so long as the area and perimeter are correct. The arms, legs, head, and body pieces MUST be the correct area or perimeter on your card.
- \* Add colorful details like eyes, nose, mouth, hair, buttons, or whatever you like.
- \* Glue your ROBOT onto a piece of colorful paper and give it a really Robot-y name, like Bot, or X2055. Fill out the speech bubble on the 3rd page.

## ROBOT CARD #1

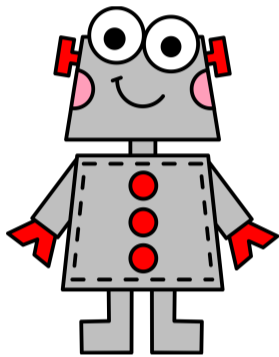
### Make this robot:

**Each leg:** area of 30 square units

**Each Arm:** area of 20 square units

**Body:** area of 42 square units

**Head:** area of 28 square units



## ROBOT CARD #2

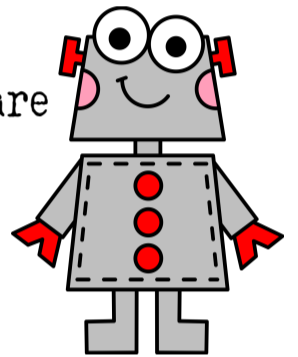
### Make this robot:

**Each leg:** perimeter of 42 square units

**Each Arm:** perimeter of 36 square units

**Body:** perimeter of 46 square units

**Head:** perimeter of 28 square units



## ROBOT CARD #3

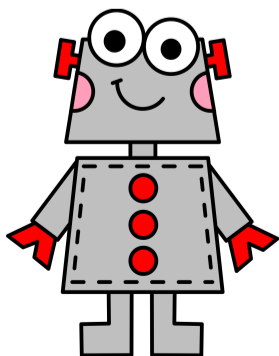
### Make this robot:

**Each leg:** area of 32 square units

**Each Arm:** area of 27 square units

**Body:** perimeter of 48 square units

**Head:** perimeter of 32 square units



## ROBOT CARD #4

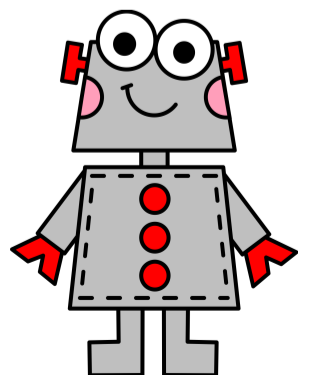
### Make this robot:

**Each leg:** area of 20 square units

**Each Arm:** area of 18 square units

**Body:** perimeter of 36 square units

**Head:** perimeter of 28 square units



Once you have finished your robot and glued it onto a piece of colored paper, cut out the speech bubble below. Write your robot's name first, then write the perimeter or area of the body parts on the other lines. Be sure to write it in "square units" (for area) or "units" for perimeter. Make sure it matches your card. Glue it above the robots head as if it is the one talking.



My name is \_\_\_\_\_

My legs are \_\_\_\_\_

My arms are \_\_\_\_\_

My body is \_\_\_\_\_

My head is \_\_\_\_\_

**Some samples:**

