**Logical Reasoning**

**Yellow:**

Use the blocks with their true statements to determine whether the conclusion is TRUE or FALSE.

1. Diego bought a pretzel.
2. Angela and Diego went shopping.
3. Angela bought a pretzel.
4. Diego had some of Angela’s pizza.

**Green:**

Because robots can withstand higher temperatures that humans, a fire-fighting robot is under development.

Put the blocks in order. Translate them into “If – Then” statements and write them in order.

1. If ________________, then ________________.
2. If ________________, then ________________.
3. If ________________, then ________________.
4. If ________________, then ________________.
5. If ________________, then ________________.

Complete the conditional
“If there is a fire, then ____________________________”

**Blue:**

Use the true statements to form other conditionals (If-Then’s).

1.

2.
the robot sets off a fire alarm

it concludes there is a fire

the robot sets off a fire alarm

it concludes there is a fire

the robot senses high levels of smoke and heat

it sets off a fire alarm

the robot senses high levels of smoke and heat

it sets off a fire alarm

the robot locates the fire

the robot extinguishes the fire

the robot locates the fire

the robot extinguishes the fire

there is a fire

the robot senses high levels of smoke and heat

there is a fire

the robot senses high levels of smoke and heat

the robot concludes there is a fire

it locates the fire

the robot concludes there is a fire

it locates the fire
a dog is a gazehound it hunts by sight

a hound bays it is a scent hound

a dog is a foxhound it does not hunt primarily by sight

a dog is a coonhound it bays when it hunts

a dog is a greyhound it is a gazehound

BLUE
Diego goes shopping

He will buy a pretzel

The mall is open

Diego goes shopping

Angela goes shopping

Angela goes shopping

She will buy a pizza

Given

The mall is open

Diego goes shopping

He will buy a pretzel

The mall is open

Diego goes shopping

Angela goes shopping

Angela goes shopping

She will buy a pizza

Given

The mall is open

Diego goes shopping

He will buy a pretzel

The mall is open

Diego goes shopping

Angela goes shopping

Angela goes shopping

She will buy a pizza

Given

The mall is open

YELLOW