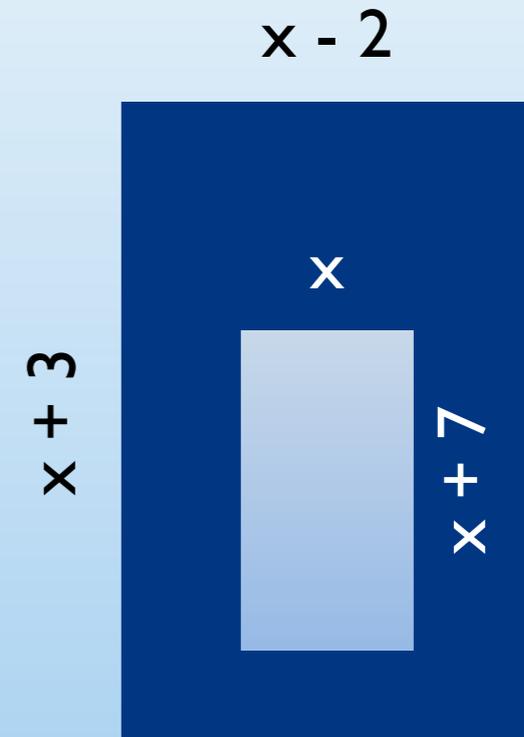
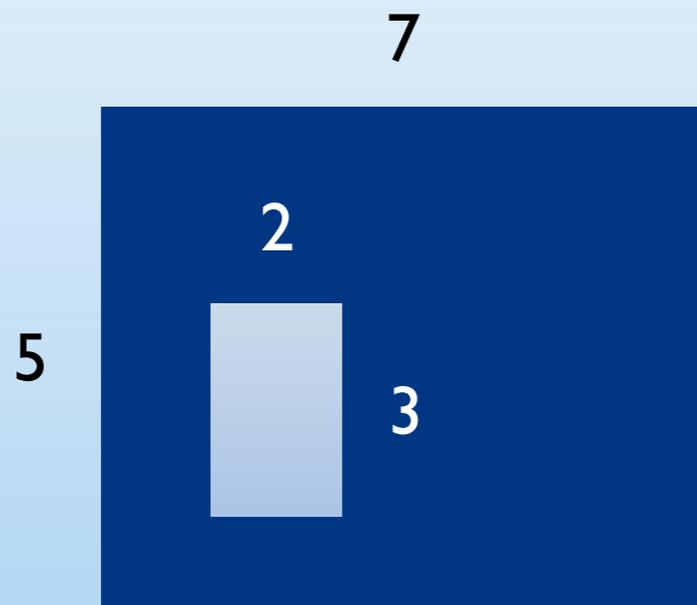


# Day 60

## 1. Opener

a) Find the shaded area of each shape:



b) Factor:  $y^2 - 7y + 10$

c) Was I speeding when I crossed the Golden Gate Bridge yesterday?

d) What do you call someone from: Ohio, Utah, Wisconsin, Michigan, New Hampshire?





LIVE

9:45 pm ET

C-SPAN  
30 YEARS

## **5. Homework**

**Practice**

**Challenge**





## **4. Treasure Hunt**

## 5. Homework

### Practice

$$2a^2 + 10a + 12$$

### Challenge

# Day 61

## 1. Opener

- a) Write a binomial and a trinomial. Find their product.
- b) Multiply:  $(a - 3)^2$
- c) Factor:  $b^2 - 16$
- d) Factor:  $3b^2 - 9b - 12$
- e) Multiply:  $(x - a)(x - b)(x - c) \cdots (x - z)$
- f) What do you call someone from: Louisiana, Maine, Connecticut, New Jersey, Massachusetts?

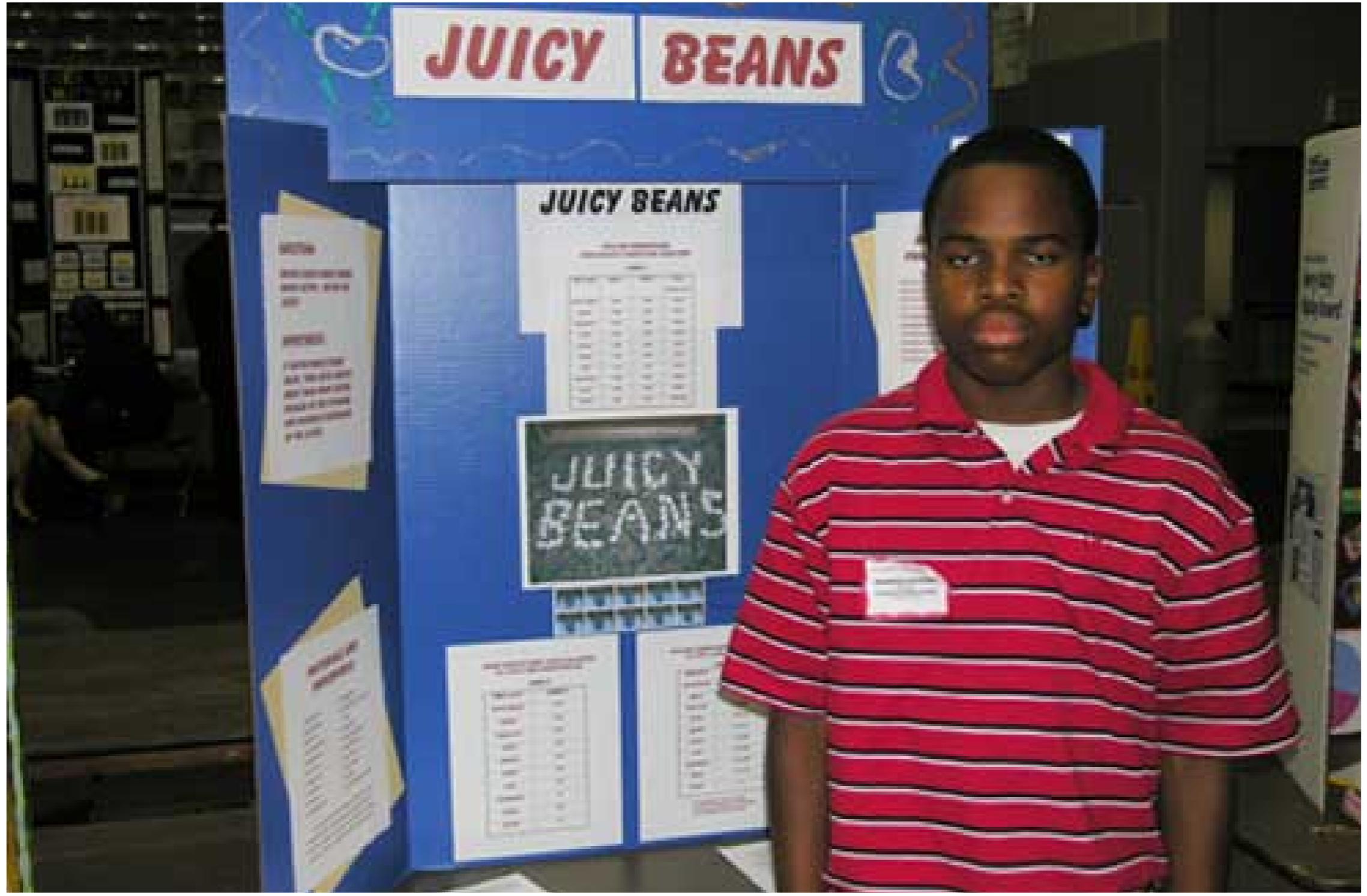
## 5. Homework

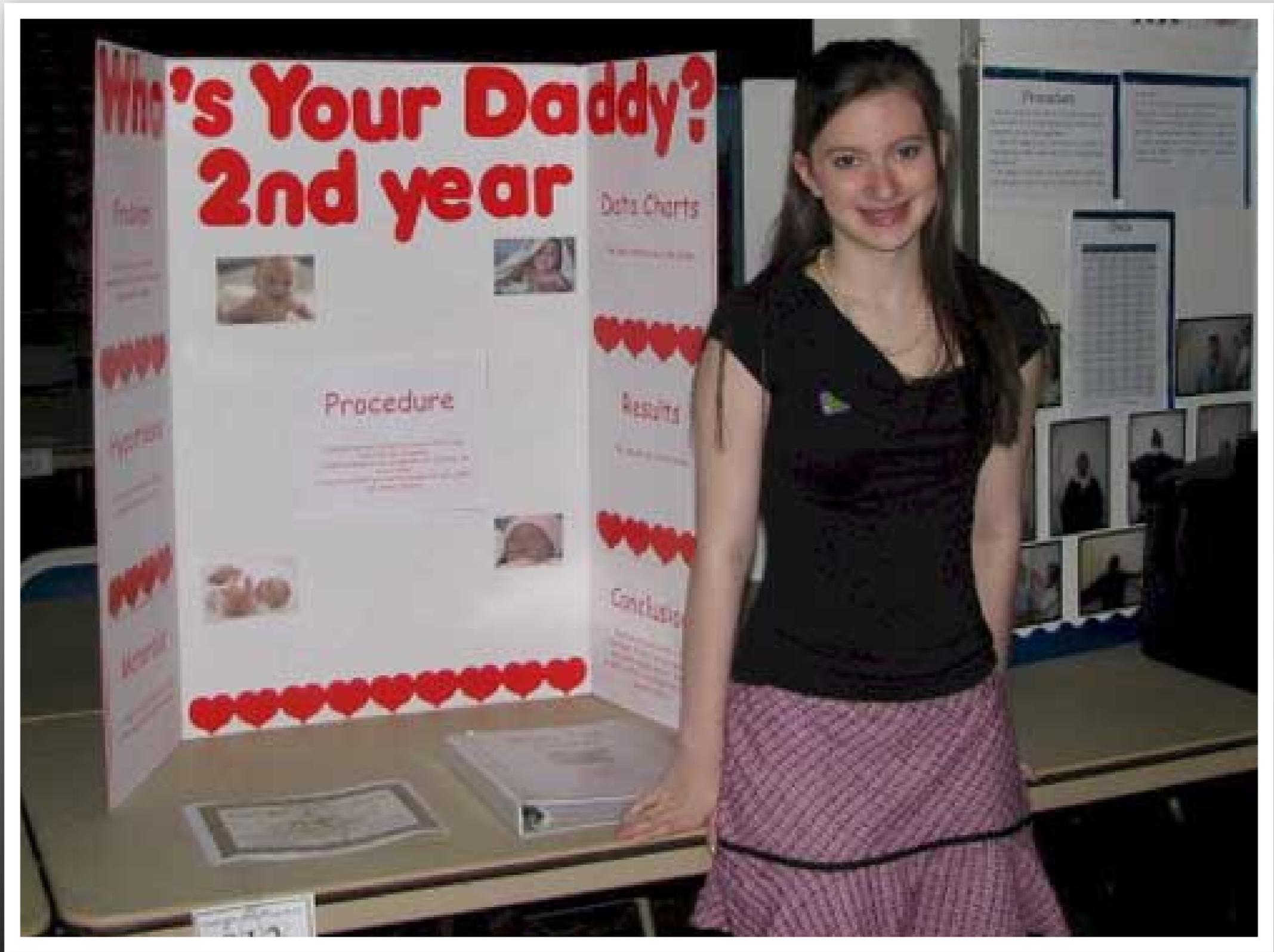
### Practice

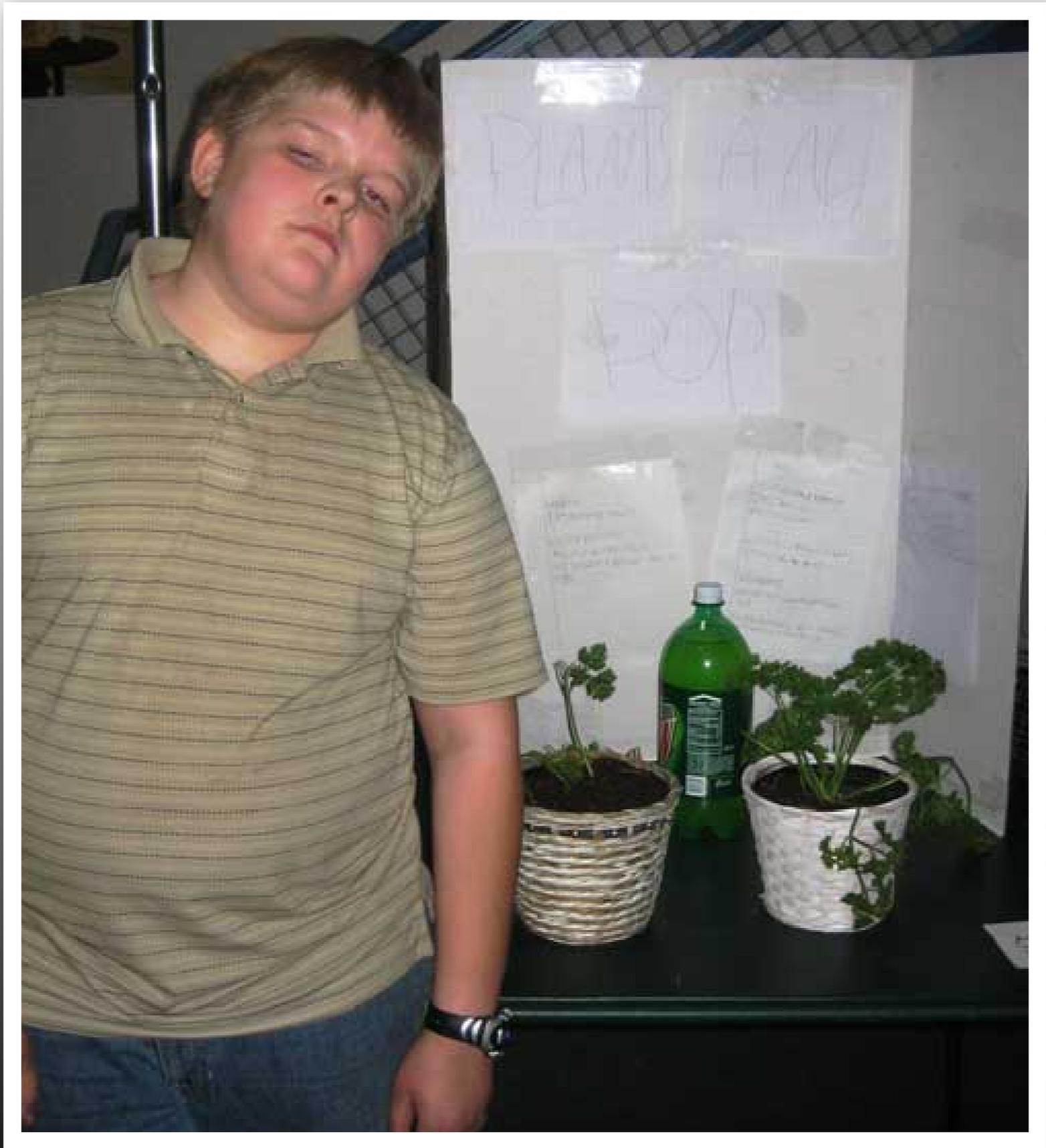
$$2a^2 + 10a + 12$$

### Challenge













# DO VIDEO GAMES AFFECT YOU?

**Procedure**  
The procedure for this project was to research the effects of video games on the brain and behavior. We used various sources including books, articles, and interviews with experts in the field.

**Kind of Materials**  
The materials used in this project included a computer, a printer, and various research materials such as books, articles, and interviews.



**Problem**  
The problem we were trying to solve was to determine if video games have a positive or negative effect on the brain and behavior.



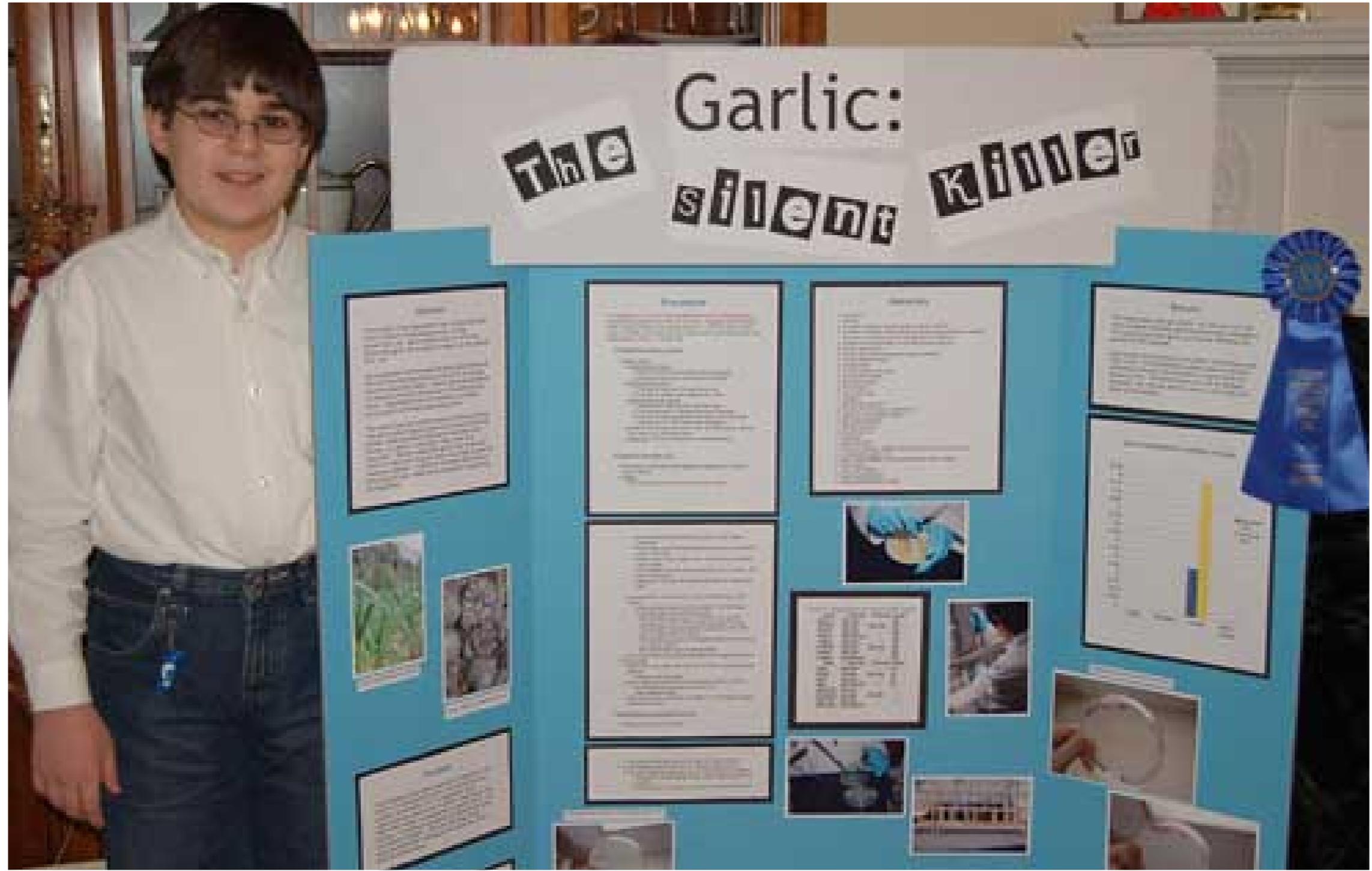
**AFFECT YOU?**

**Methodology**  
We used a combination of qualitative and quantitative methods to gather data for our project.



**TED AND PETER**

**Group Project # 459**  
Grade 8  
5:45-7:00p.m.





# The Code of the Meniscus

**Problem**  
What property can help predict the height of a liquid's meniscus?

**Experiment**  
I measured the height and diameter of different substances including water, vegetable oil, and cooking oil.  
I used a 100 mL graduated cylinder and a ruler.  
I had the graduate not read while measuring the height. I had a...

chart on the left. Then I measured the diameter of each of the three substances. Then by using a ruler and a measuring cup and by recording the volume and then the diameter...

**Conclusion**  
I derived three ways of measuring the amount of liquid being in each dish, a volumetric scale, and measuring the height based on the volume of the substance. The of the three readings, I was able to average them to a more precise reading...

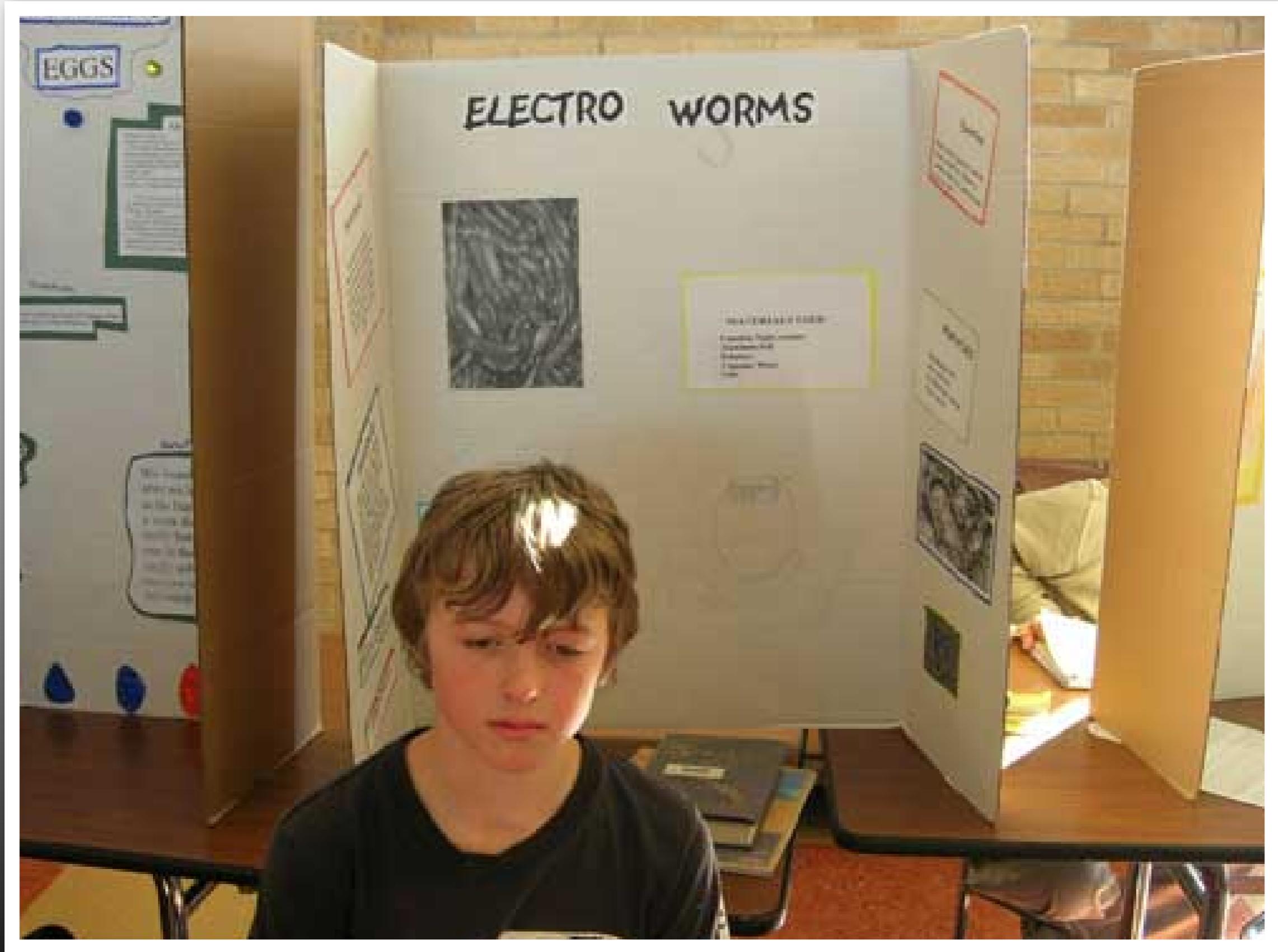




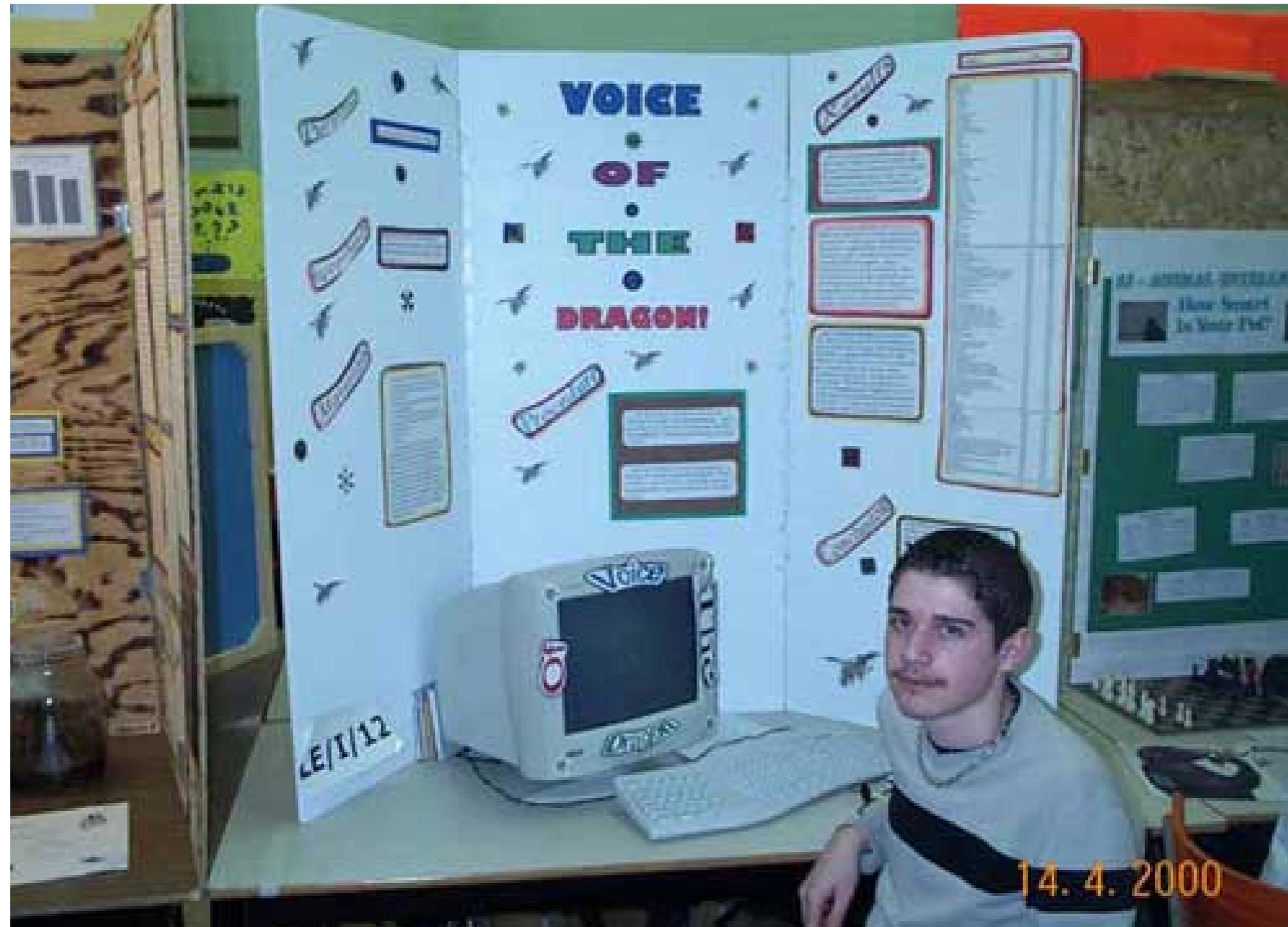


















Cleaning Agents?

Your Drink?



Small white sign with illegible text.



Project Board





## 2. Classwork

$$4a^2 + 60a + 224$$

$$3a^3b^2 + 21a^3b + 36a^3$$

$$-2bc^2 - 20bc - 32b$$

$$5d^2 - 50d - 280$$

$$-3e^2 + 15e + 42$$

$$4f^2 + 24f - 64$$

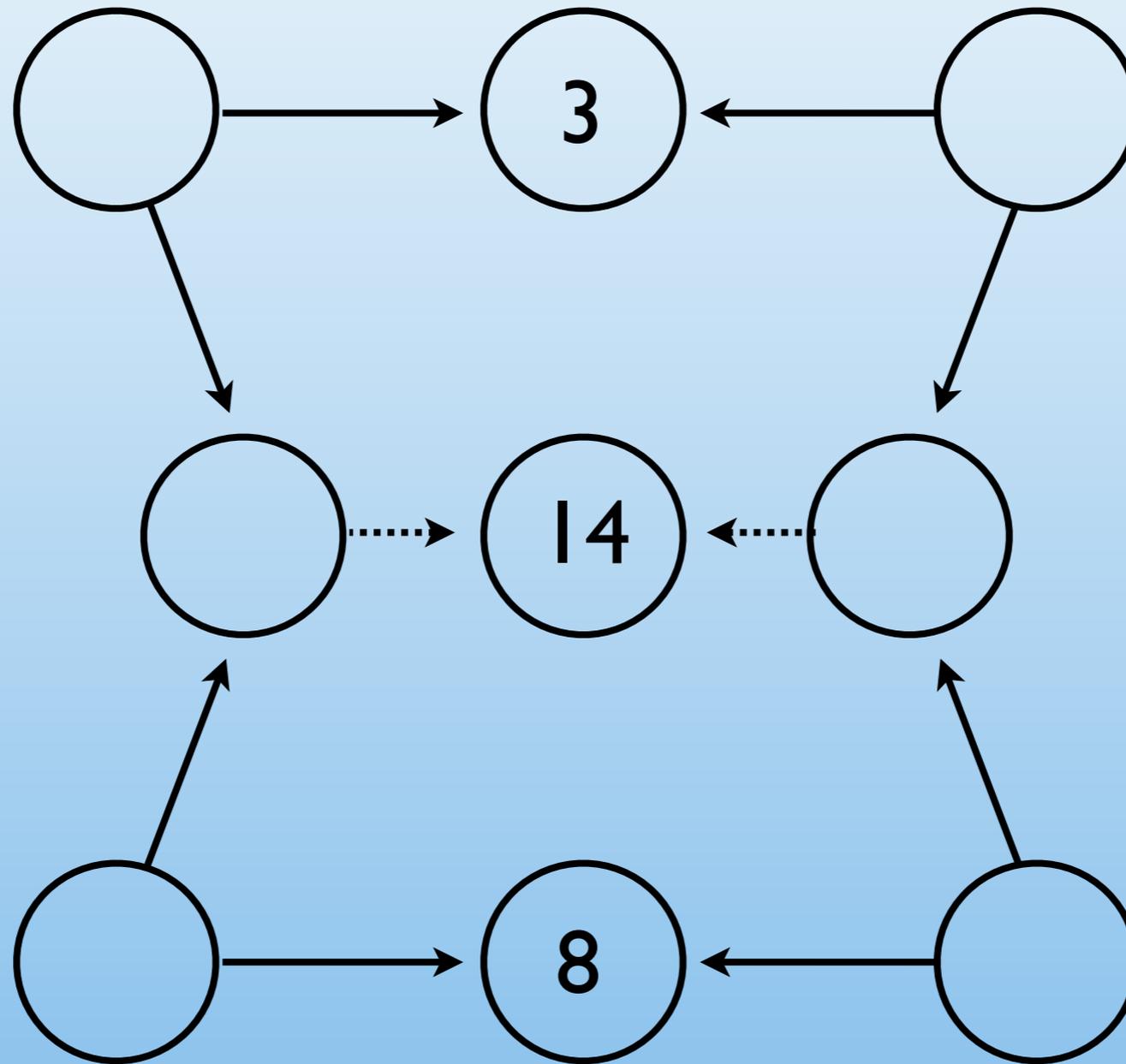
$$g^2h^2 - 10gh^2 + 16h^2$$

$$3h^2 + 15h - 72$$

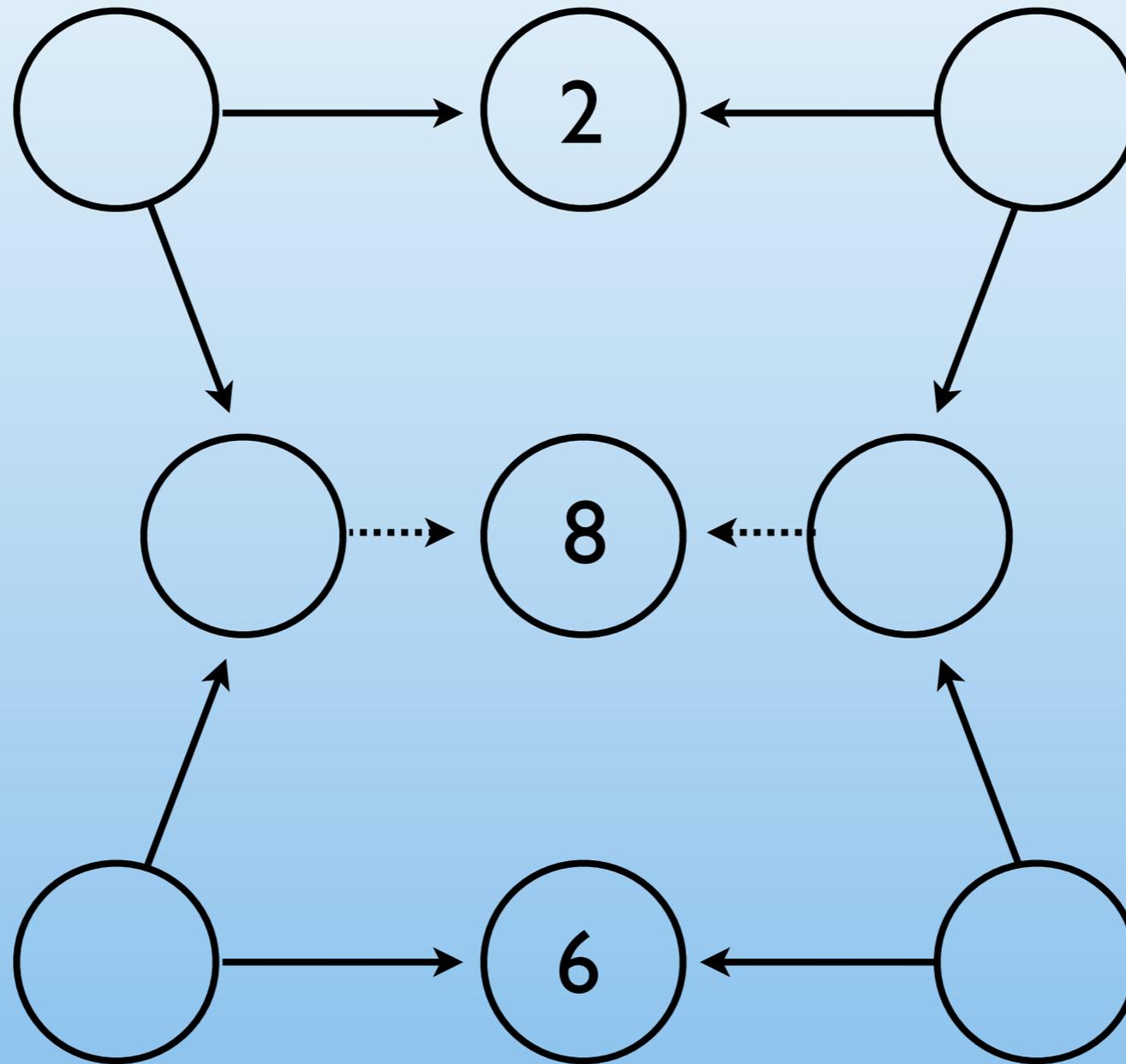
## 5. Diamond Problems

$$\begin{array}{r} + \\ \cancel{10} \\ \cancel{21} \\ \cdot \end{array}$$

### 3. Number Game



### 3. Number Game



## **3. Number Game**

## 4. Factoring Trinomials

$$2x - 6$$

## 4. Factoring Trinomials

$$x^2 + 8x + 12$$

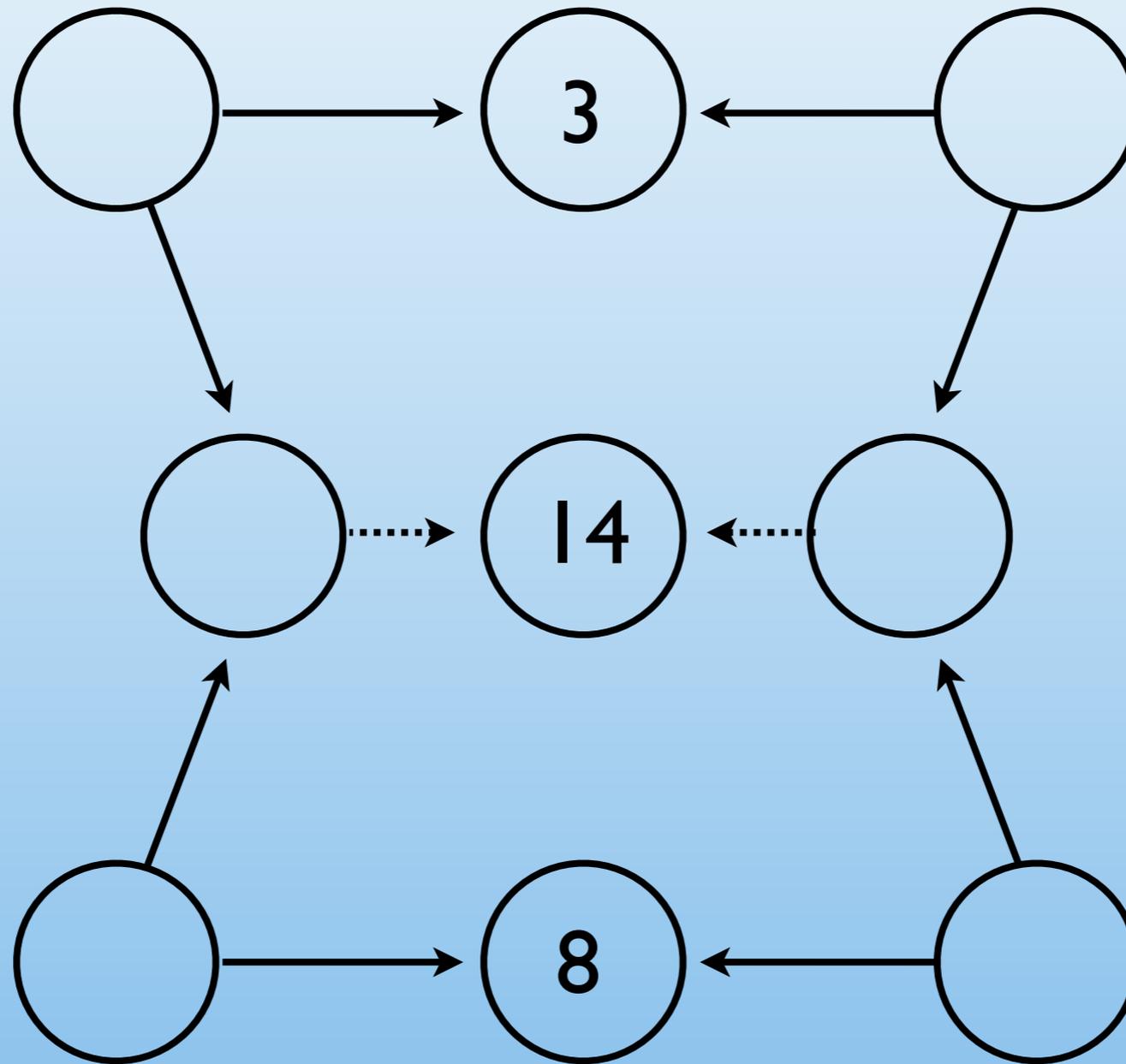
## 4. Factoring Trinomials

$$4x^2 + 32x + 48$$

## 4. Factoring Trinomials

$$3x^2 + 14x + 8$$

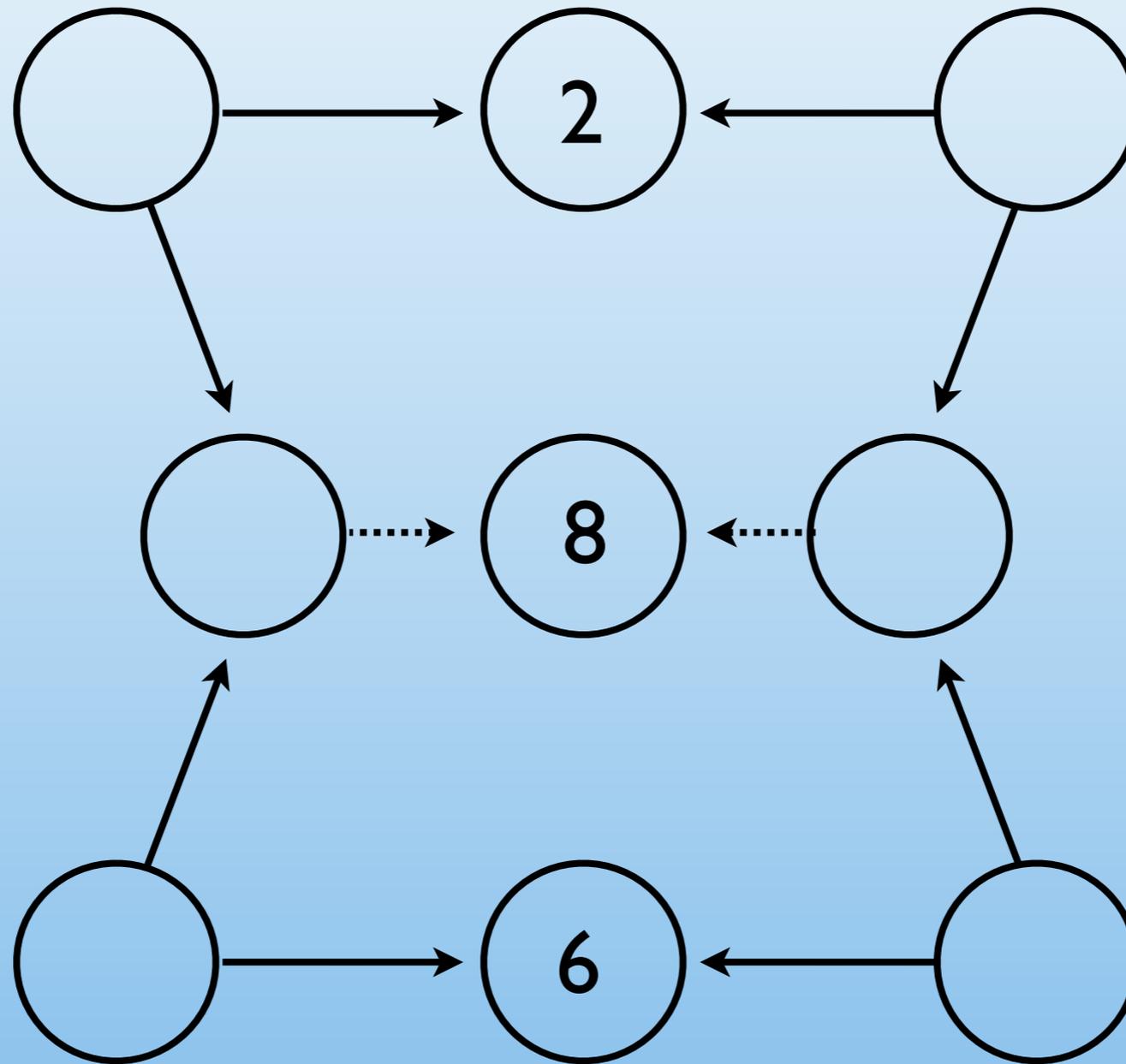
### 3. Number Game



## 4. Factoring Trinomials

$$2x^2 + 8x + 6$$

### 3. Number Game



## **5. Classwork**

pg. 401 // #1 - 12

## **6. Concept Quiz**

$$(x - a)(x - b)(x - c) \cdots (x - z)$$

$$\begin{aligned} & (x - a)(x - b)(x - c)(x - d)(x - e)(x - f) \\ & (x - g)(x - h)(x - i)(x - j)(x - k)(x - l) \\ & (x - m)(x - n)(x - o)(x - p)(x - q)(x - r) \\ & (x - s)(x - t)(x - u)(x - v)(x - w)(x - x) \\ & (x - y)(x - z) \end{aligned}$$

## 5. Homework

### Practice

$$4x^2 - 14x + 12$$

### Challenge

# Day 62

## 1. Opener

a)  $(4x^2 - x + 3) + (x^2 + 4) =$

b)  $(4x^2 - x + 3) - (x^2 + 4) =$

c) Factor:  $5a^2 - 15a - 50$

Explain the errors:

d)  $-3x^3(-2x^2 + 4) = 6x^6 - 12x^3$

e)  $9a^4b + 3a^2b + 12a^5b^5 = 3a^2b(3a^2 + 4a^3b^4)$

f) What kind of insurance do 4,000,000 Japanese golfers carry?







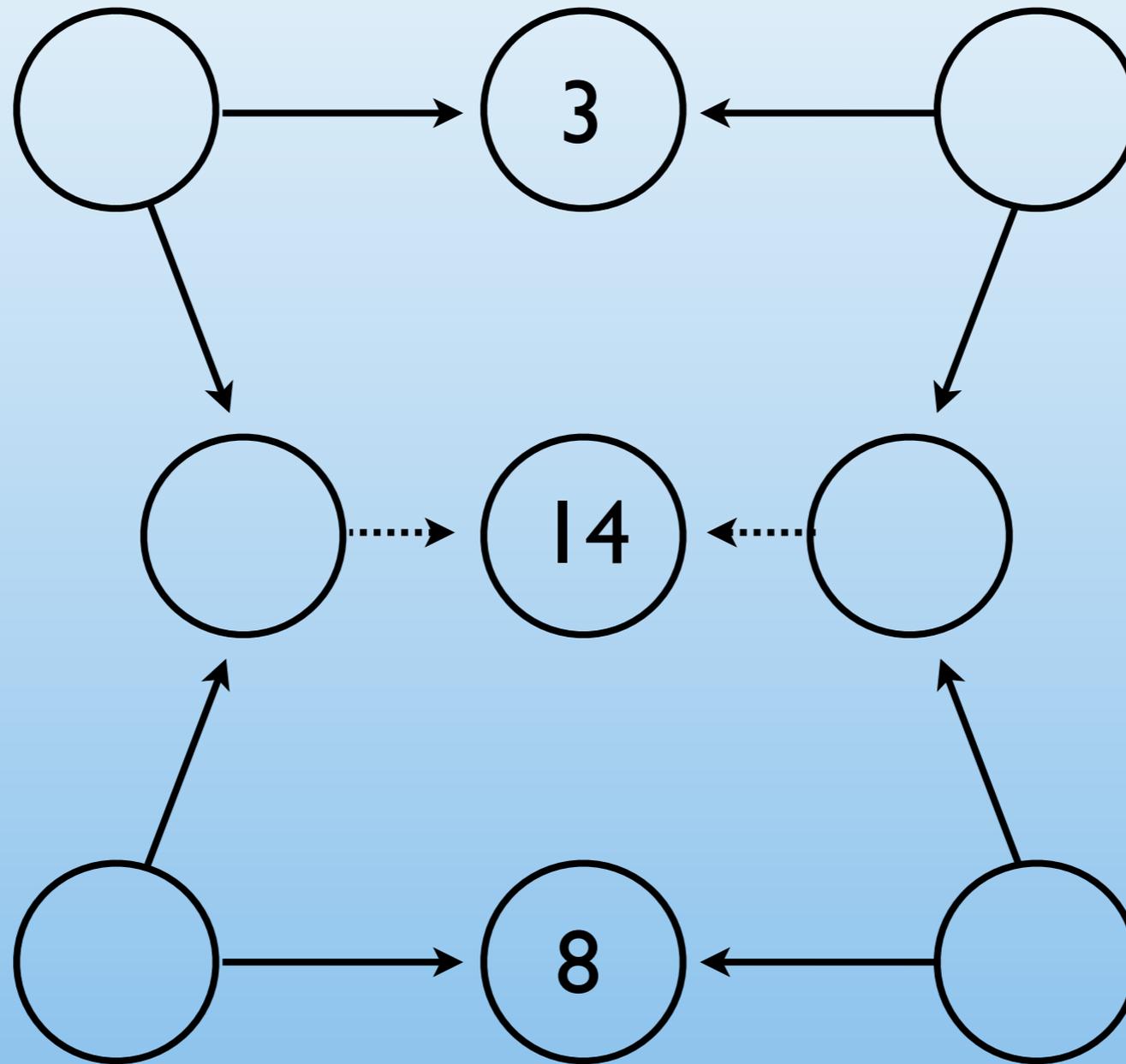




COMMERCE



## 2. Number Game



## 2. Factoring Trinomials

$$2x - 6$$

## 2. Factoring Trinomials

$$x^2 + 8x + 12$$

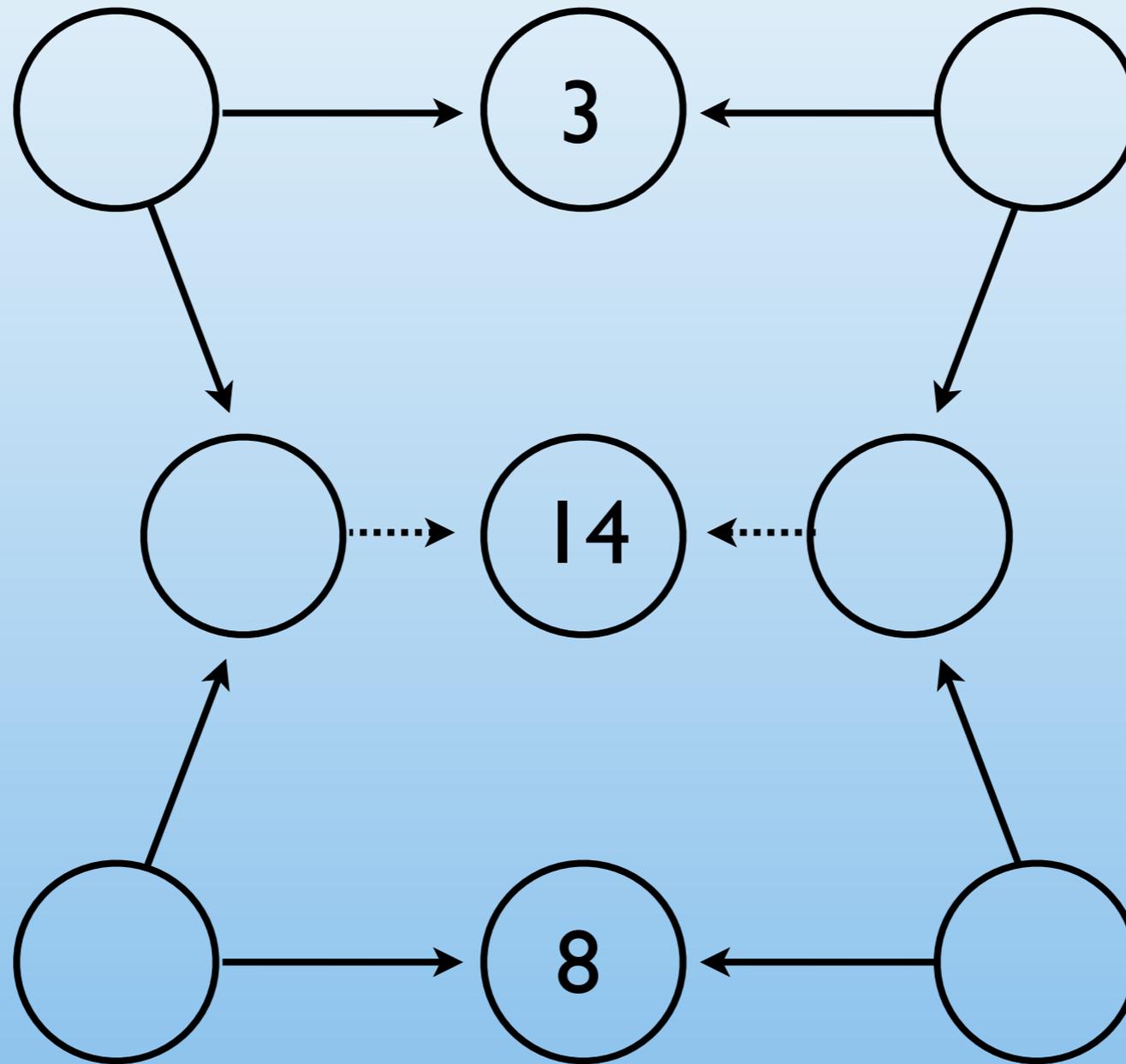
## 2. Factoring Trinomials

$$4x^2 + 32x + 48$$

## 2. Factoring Trinomials

$$3x^2 + 14x + 8$$

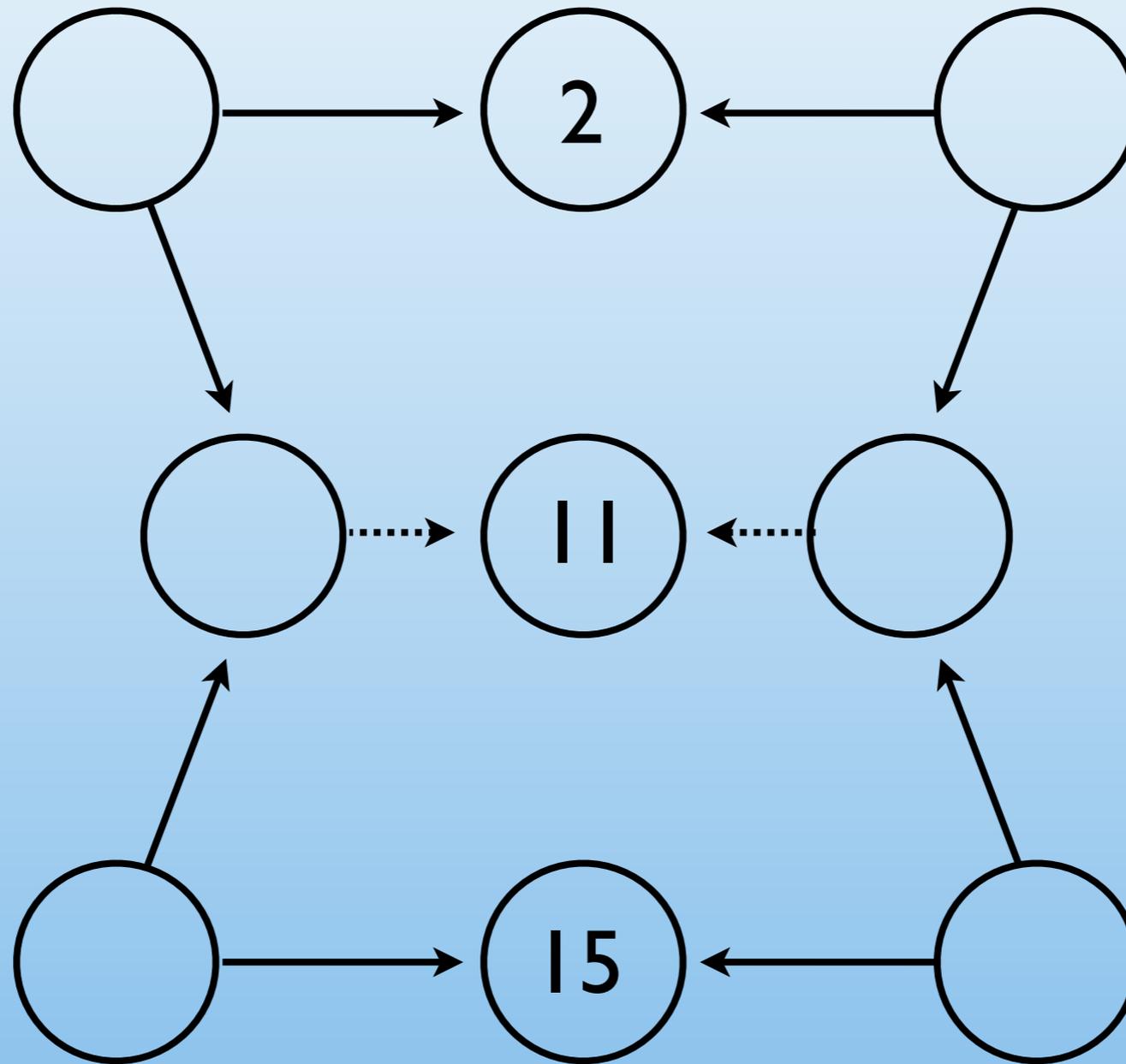
## 2. Number Game



## 2. Factoring Trinomials

$$2x^2 + 11x + 15$$

## 2. Number Game



### **3. Classwork**

pg. 401 // #1 - 12

### **4. Break**

$$4n^3 + 8n^2 - 5n - 10$$

$$4n^3 + 8n^2 - 5n - 10$$

$$4n^3 + 8n^2 - 5n - 10$$

## 5. Factor By Grouping

$$4n^3 + 8n^2 - 5n - 10$$

## 5. Factor By Grouping

$$12p^4 + 10p^3 - 36p^2 - 30p$$

## 5. Factor By Grouping

$$2p(6p^3 + 5p^2 - 18p - 15)$$

## 5. Factor By Grouping

$$2p(6p^3 + 5p^2 - 18p - 15)$$

## 5. Factor By Grouping

$$2p(6p^3 + 5p^2 - 18p - 15)$$

## 5. Factor By Grouping

$$2p(6p^3 + 5p^2 - 18p - 15)$$

## **6. Classwork**

pg. 413 // #5 - 16

## 7. Homework

### Practice

$$8y^2 - 10y - 3$$

$$20m^3 - 18m^2 + 40m - 36$$

### Challenge

## 7. Homework

### Practice

$$8y^2 - 10y - 3$$

$$20m^3 - 18m^2 + 40m - 36$$

$$6t^2 + 26t + 24$$

### Challenge