


TIPP&SEE Pizza Sharing

NAME		
Lesson 3-1A 		
SCRATCH ID	DATE	TIME

Objective: I can closely observe a Scratch program and find the scripts that caused the actions.

Scratch Link: Pizza Sharing (<https://scratch.mit.edu/projects/210743380/>)

Start with **TIPP&SEE!**

Get a **TIPP** from the Project Page.

Read carefully:

Title

Instructions

Purpose

Play the project and circle the action(s) that happened for each event below.

To run the program, click , then , then press 1 on the keyboard.

① When I pressed 1, the pizzas were divided into:

halves thirds fourths sixths eighths twelfths

② How many pieces were given to person #1?


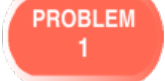
0 1 2 3 4 5

③ How many pieces were given to person #2?

0 1 2 3 4 5

SEE Inside.

First click on the  **Sprite**, then find the  **Event**.

④ **Explore:** Make these changes to the script. Click , then , then press 1 on the keyboard each time.

a. Change  to .

Run and watch.

b. Change  to . Run and watch.

c. Change  to .

Run and watch.

d. Add a second  inside the loop. Run and watch.

e. Move  to *inside* the loop. Run and watch.

TIPP&SEE Pizza Sharing (continued)

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⑤ Explore: Circle your answer.

a. Which block divided the pizza into slices?

divide the pizza into 1/ **3** give piece to person# **2** repeat **2** give piece to person# **1**

b. Which block determined how many pieces to give to each person?

divide the pizza into 1/ **3** give piece to person# **2** repeat **2** give piece to person# **1**


c. Which block gave a piece to person #2?

divide the pizza into 1/ **3** give piece to person# **2** repeat **2** give piece to person# **1**

d. Which block would you add to the script to give a piece to person #3?

divide the pizza into 1/ **3** give piece to person# **3** give piece to person# **2** give piece to person# **1**

Sharing Pizzas

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PROBLEM 1

Three brothers go to lunch and share two pizzas equally. How much of a whole pizza does each brother get?

MATH MESSAGE: Draw a picture to show how you solved the problem.

Complete the script to show how you coded Strategy 1 or Strategy 2.

```
when 1 key pressed
  Setup
  divide the pizza into 1/
  repeat
```

PROBLEM 2

Four sisters go to lunch and share three pizzas equally. How much of a whole pizza does each sister get?

Draw a picture to show how you solved the problem.

Complete the script below to show how you coded your strategy.

```
when 1 key pressed
  Setup
  divide the pizza into 1/
  repeat
```

PROBLEM 3

Three friends go to lunch and share four pizzas equally. How much of a whole pizza does each friend get?