

> × St. Jude ÷

MATH-A-THON



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2

St. Jude patient
Alanna

LEVEL K
FUNBOOK

Welcome to the St. Jude Math-A-Thon!

Thank you for supporting St. Jude Children's Research Hospital®. Because of fundraising programs like St. Jude Math-A-Thon and supporters like you, St. Jude is leading the way the world understands, treats and defeats childhood cancer and other life-threatening diseases. You're an important part of making this fundraiser a success and participation is easy:

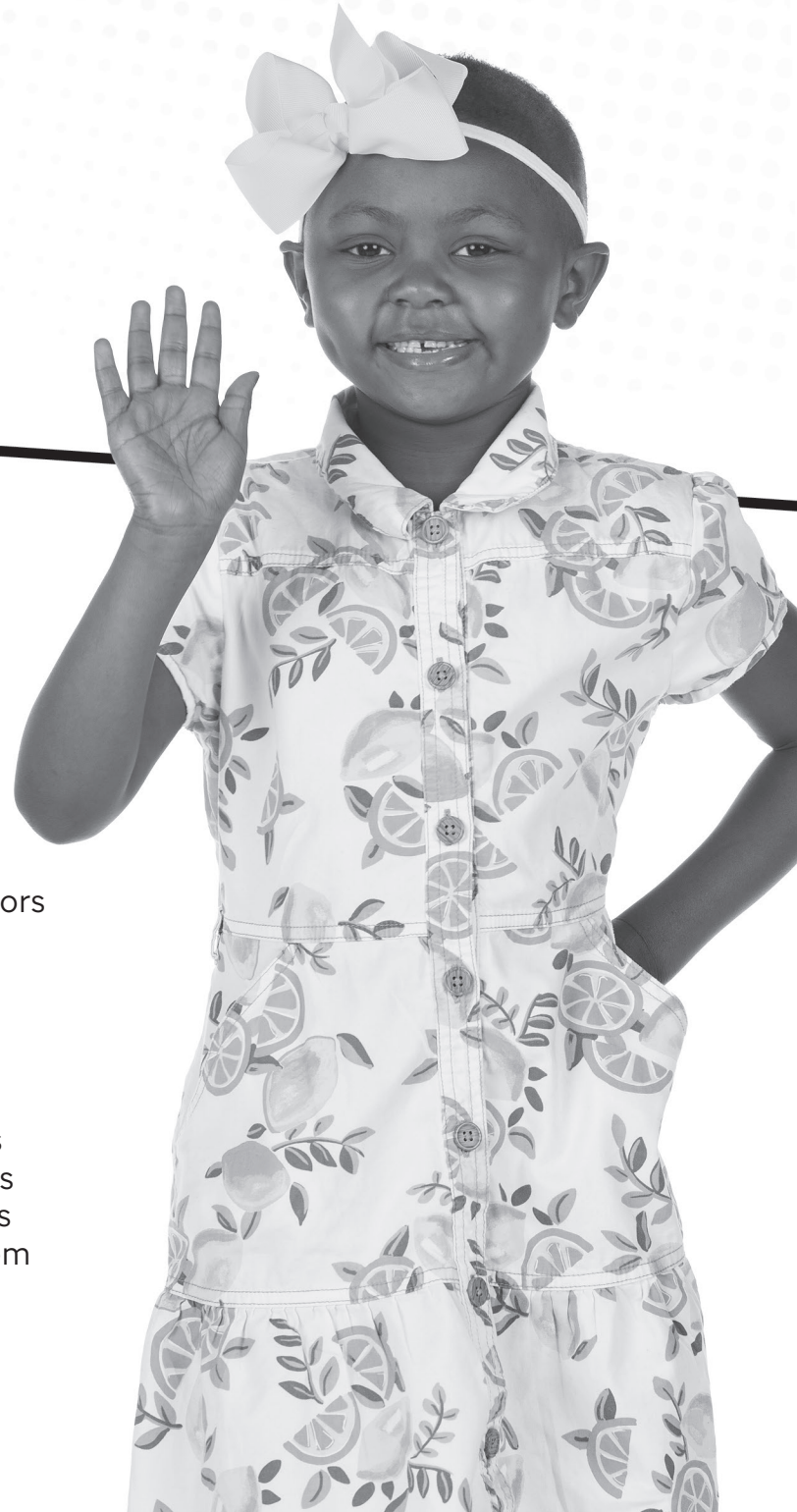
- 1** Raise money online using the tools available at stjude.org/math
- 2** Complete the math worksheets in this workbook
- 3** Earn cool prizes!

Meet Alanna

Alanna had a fatty lump the size of a baseball on her thigh which raised concerns and led her doctor to order further tests. While she waited for that appointment, the little girl developed a high fever that did not go away.

A trip to the emergency room in their home state of Tennessee, and later a biopsy, led doctors to diagnose Alanna with acute lymphoblastic leukemia (ALL), the most common type of childhood cancer. She was referred to St. Jude where she began treatment in February 2023. Alanna is receiving chemotherapy.

Her grandmother, Corlista, describes Alanna as sweet and the peacemaker of the family, who is very aware of people's emotions. "If someone is upset or having a bad day, she always gives them a hug and a big kiss," she said. Corlista said she is grateful for St. Jude and the extra care and attention they give her granddaughter.



How Math Helps St. Jude

Math is used every day on the St. Jude campus. From careful measurements for patient medicine to the complex mathematics needed in our state-of-the-art research facilities, numbers play an important role in helping our patients. As you complete each worksheet, know that you're sharpening important skills that are used every day to help the kids of St. Jude.

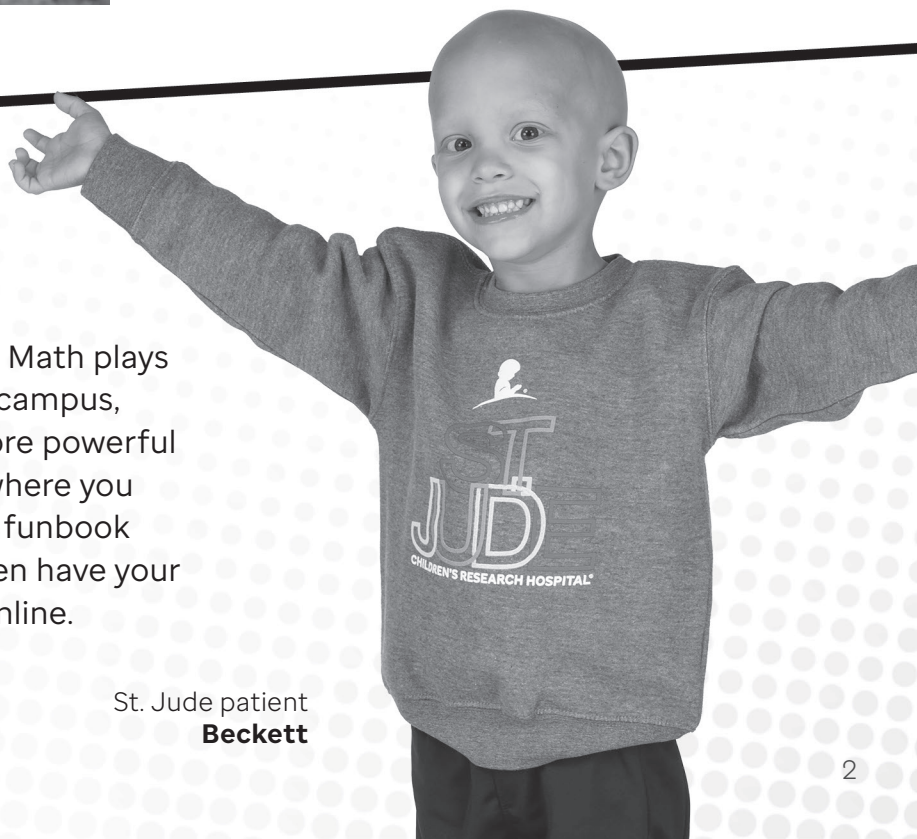


- St. Jude grows its own fresh fruits and vegetables so patients can eat delicious and nutritious food. Math is used every day in making sure each plant gets the right amount of water.
- Doctors use careful math to make sure each child gets the right amount of medicine each day.
- St. Jude is not a general children's hospital. We focus on providing high-quality care to children with cancer and other life-threatening diseases. The people who work at St. Jude use math to keep careful track of how many patients we have on campus and how many rooms we have available.

Ready to Sign Up?

St. Jude relies on the power in numbers. Math plays a vital role in nearly every aspect of our campus, but the strength in numbers is never more powerful than when it helps our patients. That's where you come in – turn to the back page of your funbook to start the sign-up process. You can even have your parents scan the QR code and sign up online.

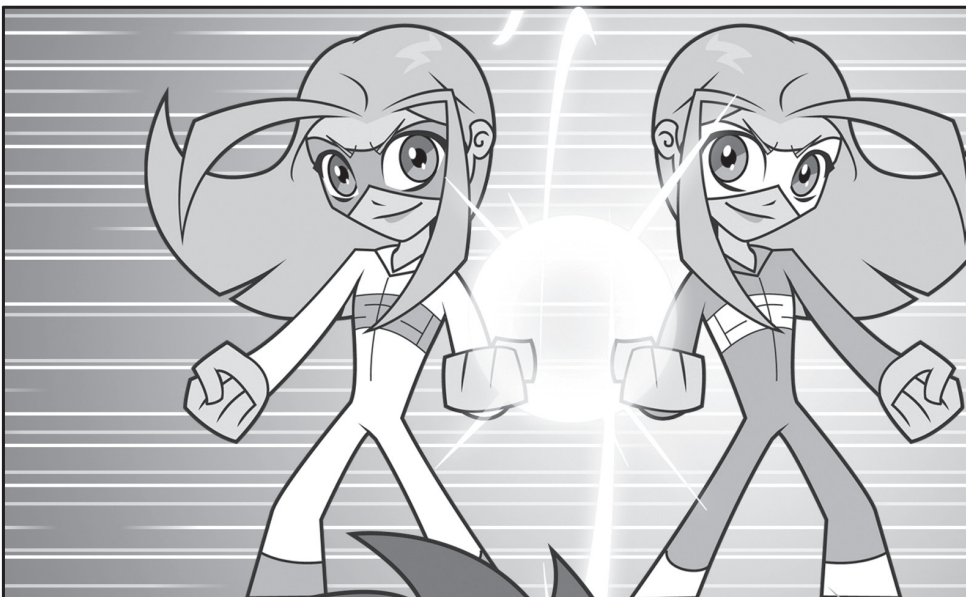
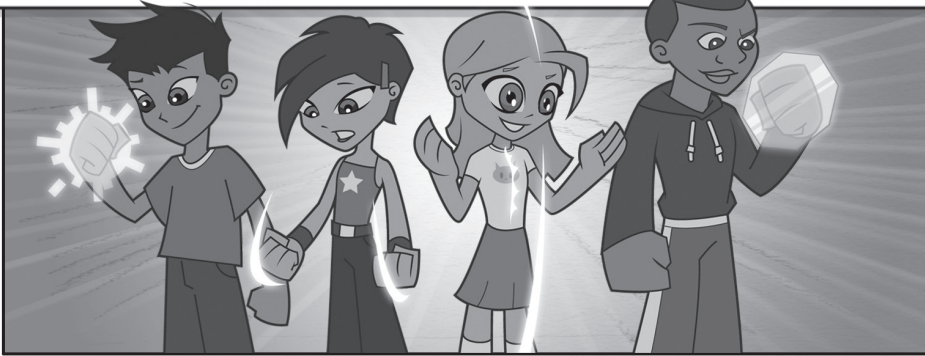
St. Jude patient
Beckett



MEET

THE NUMERATORS

My name is Dr. Jax. Once there were four regular kids who studied math in school, just like you. I helped them turn their math skills into amazing superpowers. Now, these students call themselves The Numerators. They use their powers to protect other kids in danger.

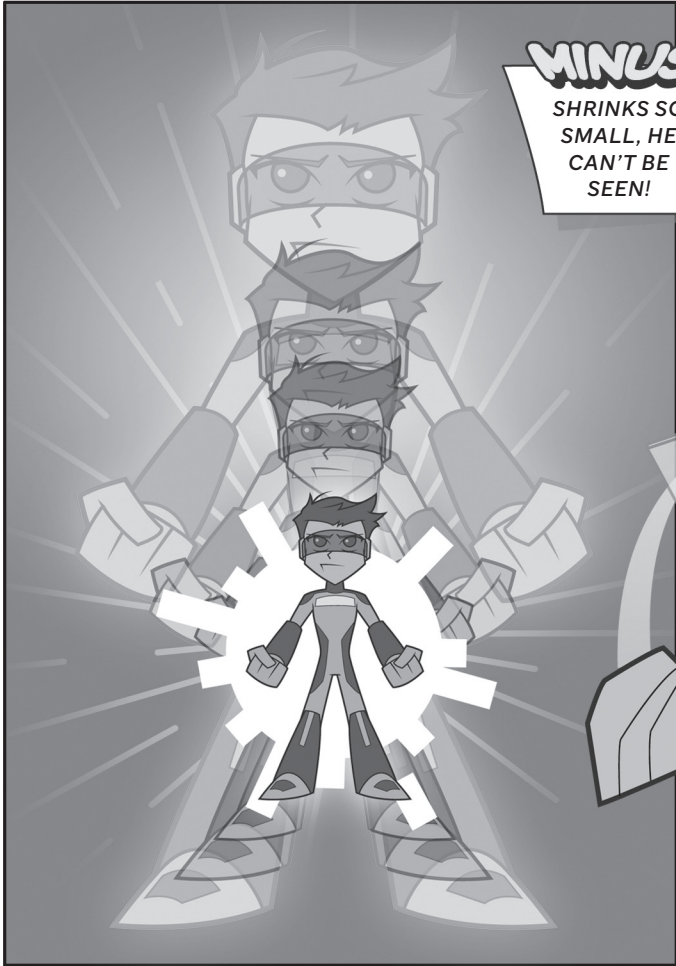


That's why The Numerators used their math powers to help St. Jude. They were helping to raise money to find cures for very sick children with diseases like cancer.

SYMMETRY
SPLITS INTO
EQUAL PARTS FOR
A DOUBLE ATTACK!



FRACTION
FIGHTS WITH A
POWERFUL SLASH!

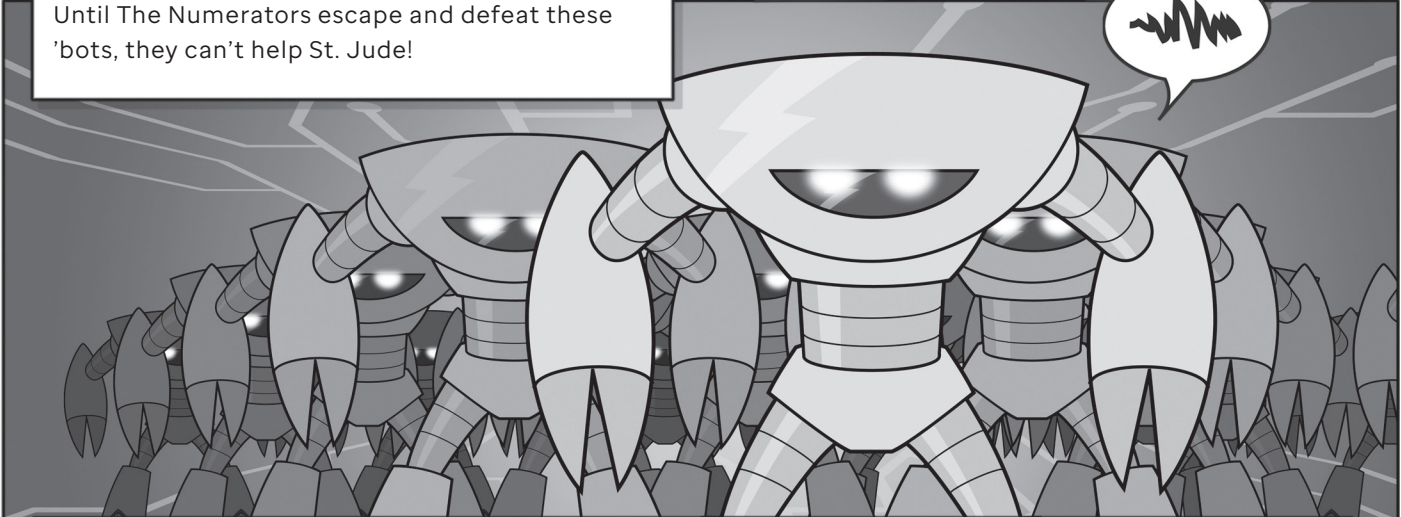


MINUS
SHRINKS SO SMALL, HE CAN'T BE SEEN!



OCTAGON
KEEPS ENEMIES AWAY WITH AN EIGHT-SIDED FORCE FIELD!

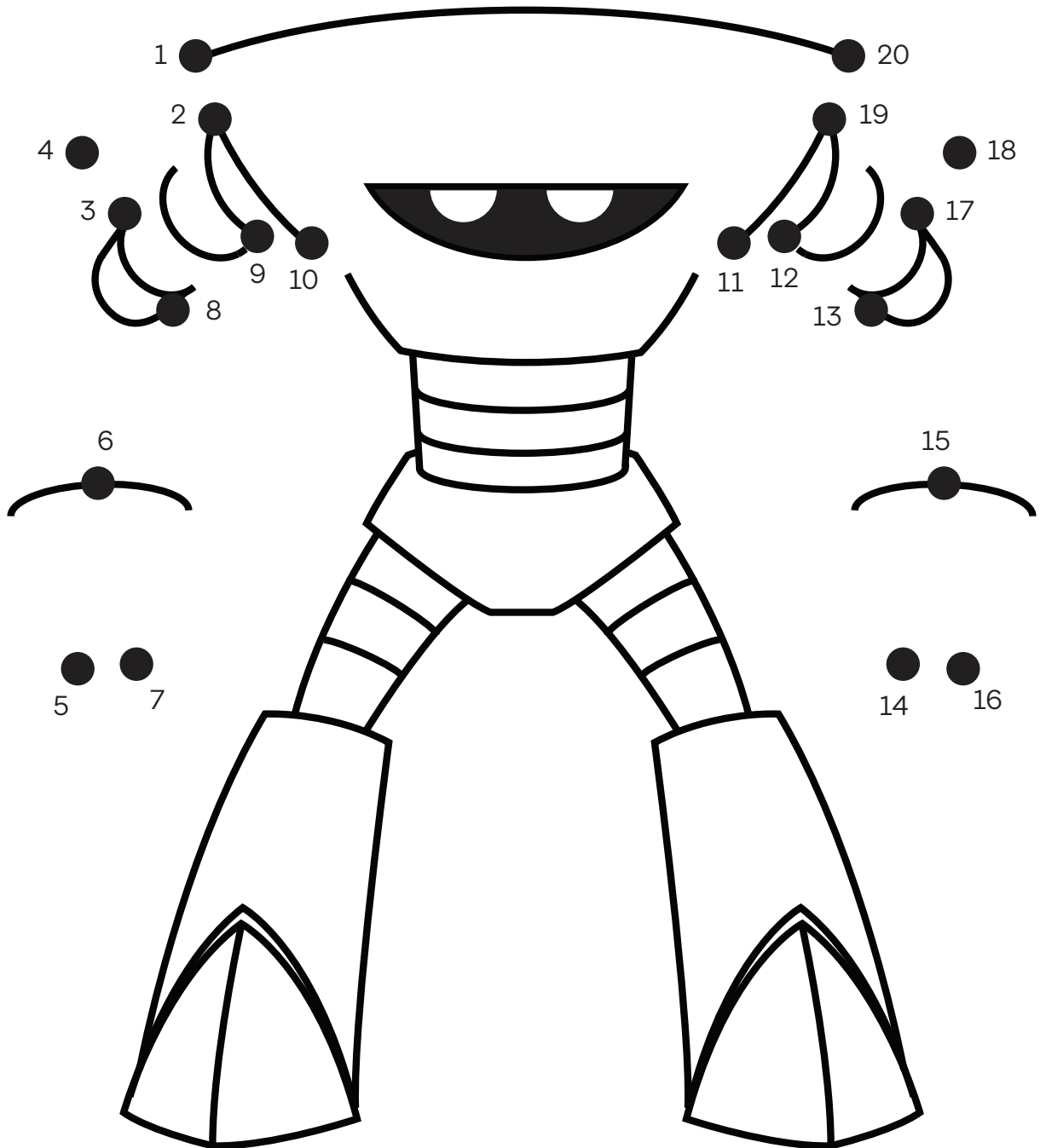
But robots launched a surprise attack on our heroes. The robots wanted to steal The Numerators' math powers for their own purposes. Until The Numerators escape and defeat these 'bots, they can't help St. Jude!



You can use your own math skills to help The Numerators and the kids of St. Jude. Just fill out this St. Jude Math-A-Thon funbook to help our heroes escape the robots. You'll also help raise money for St. Jude at the same time. So get your pencils ready and start your math adventure today!

Connect-the-Dots

Dr. Jax has discovered a picture that shows who is after The Numerators' powers, but pieces are missing. Connect the dots to reveal the villain.



Counting Challenge

Dr. Jax has detected a droid ambush near The Numerators' headquarters. Count how many times each Numerator appears in the chart to help them prepare for the attack and defend their base.



1. Minus



2. Fraction



3. Symmetry



4. Octagon



5. How many Numerators do you see in all? _____

6. How many times do you see Minus and Fraction? _____

7. How many times do you see Symmetry and Octagon? _____

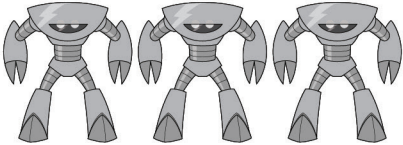
8. Which Numerator do you see the most? _____

9. Which Numerator do you see the least? _____

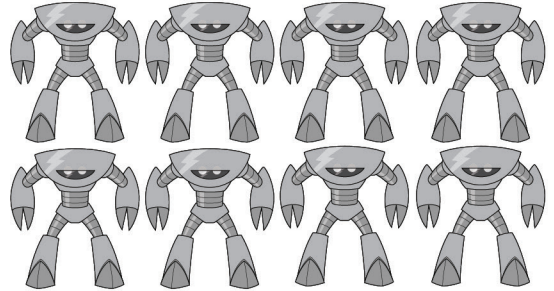
Droid Dual

The Numerators have spotted droid armies gathering in the distance. Count the droids in each group so The Numerators are prepared for battle.

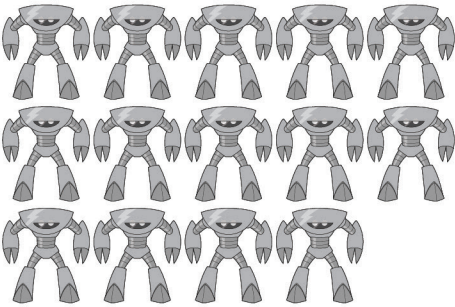
1. _____



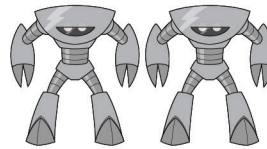
2. _____



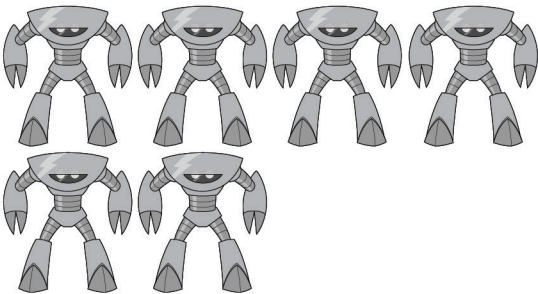
3. _____



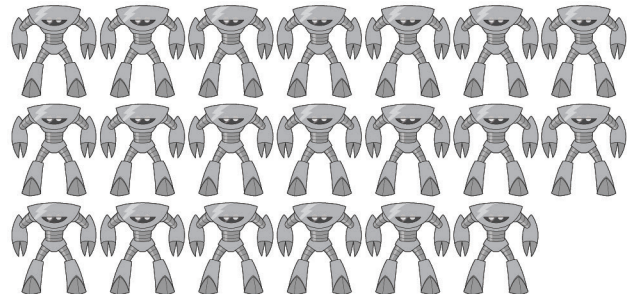
4. _____



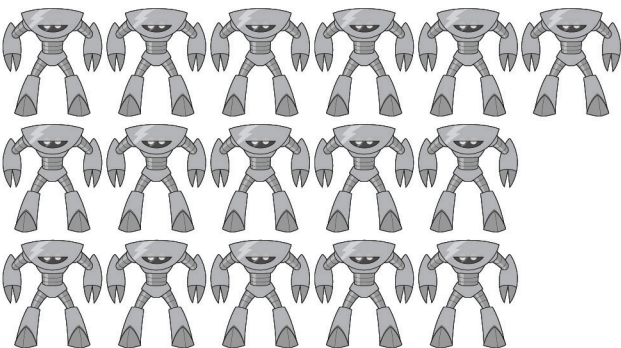
5. _____



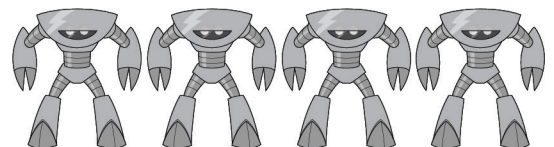
6. _____



7. _____


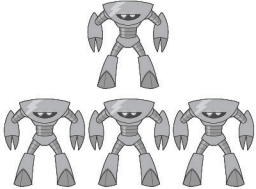
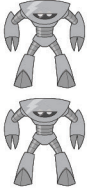

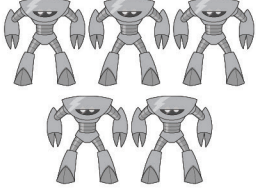
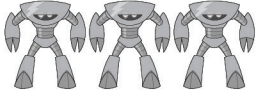
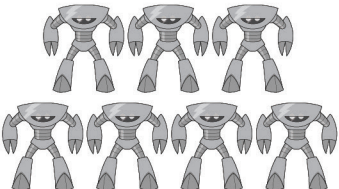
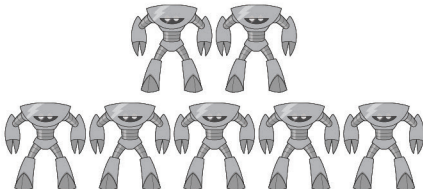
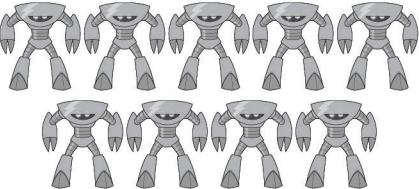
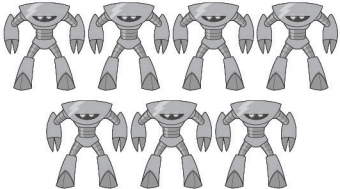
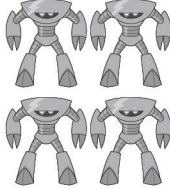
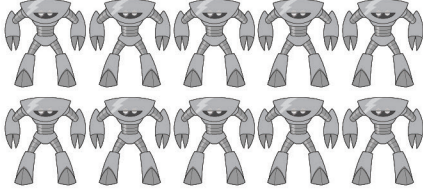


8. _____



Comparing Droids

The Numerators need your help comparing the sizes of each droid army so they know which ones are the greatest threats. Is the first group more than $>$, less than $<$, or equal to $=$ the second group?

1.		
2.		
3.		
4.		
5.		
6.		

Adding Numerators

Let's practice your counting skills. Count the number of times each Numerator appears in the pictures to make sure you're ready to help them defeat the droids.

1.



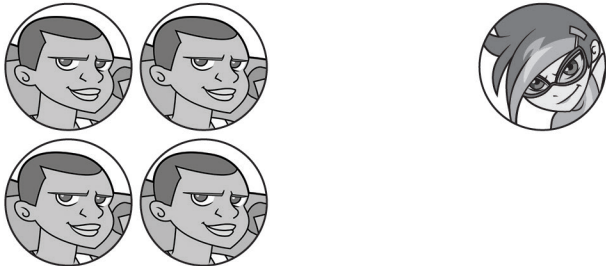
$$3 + 2 = \underline{\hspace{2cm}}$$

2.



$$2 + 0 = \underline{\hspace{2cm}}$$

3.



$$4 + 1 = \underline{\hspace{2cm}}$$

4.



$$3 + 1 = \underline{\hspace{2cm}}$$

5.



$$0 + 5 = \underline{\hspace{2cm}}$$

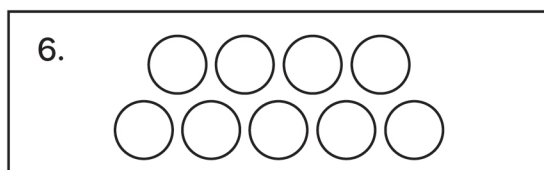
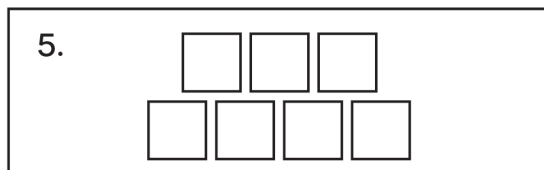
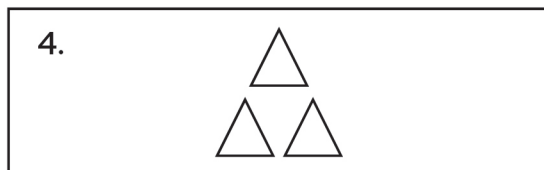
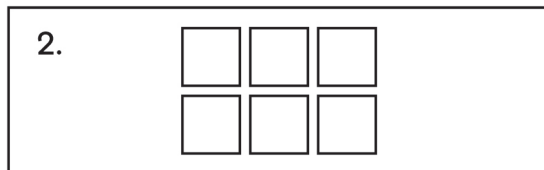
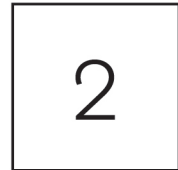
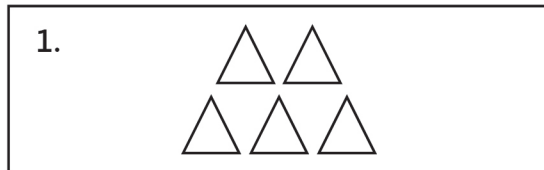
6.



$$2 + 2 = \underline{\hspace{2cm}}$$

Code Break

The Numerators need to unlock the keypad to enter the droids' hideout. Match the groups of shapes on the left to the numbers on the right. Draw a line to each correct answer to activate the code and open the door.



Check out stjude.org/math to start fundraising online today!

Packed with tools to help you manage your fundraising efforts, raise more money and save time, stjude.org/math includes tools to help you:

- Find your school
- Create your own fundraising webpage and set your goal
- Accept online donations
- Integrate with Facebook fundraising



Scan to find your school and sign up!



St. Jude patient
Hayden

LEVEL K
FUNBOOK



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Math-A-Thon

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