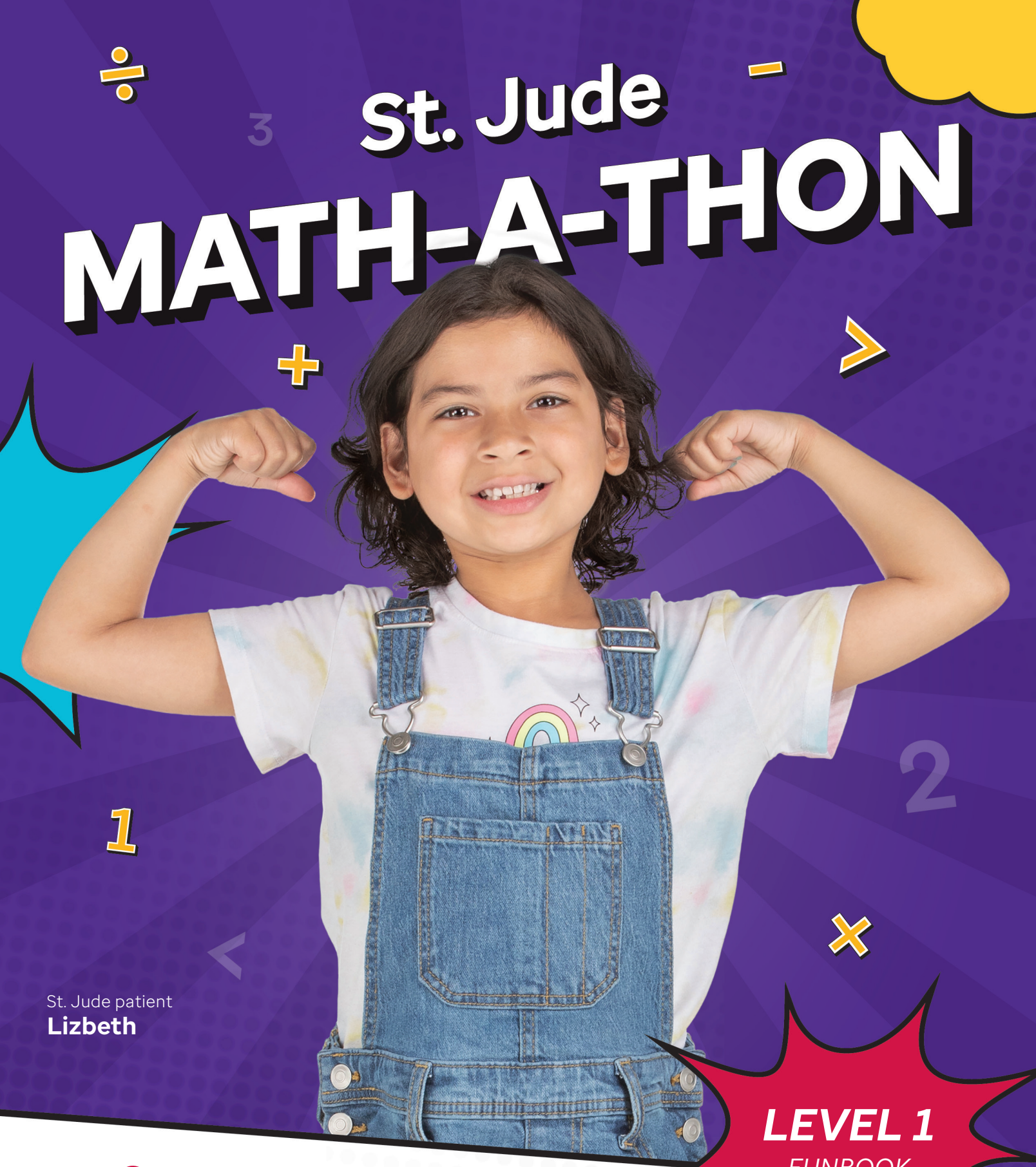
St. Jude MATH-A-THON



St. Jude patient
Lizbeth

LEVEL 1
FUNBOOK

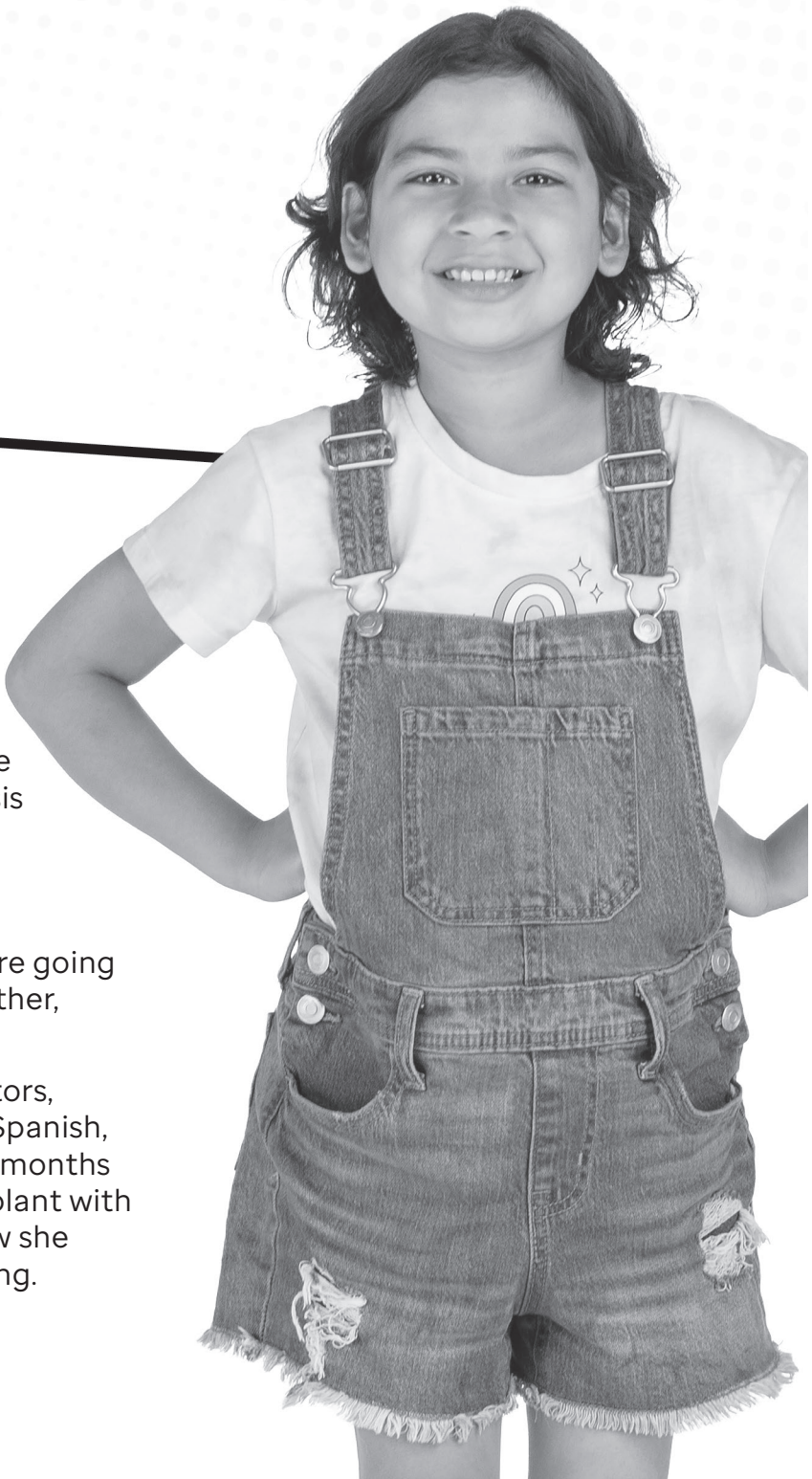
St. Jude Children's Research Hospital®

St. Jude
Math-A-Thon

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 Lizbeth

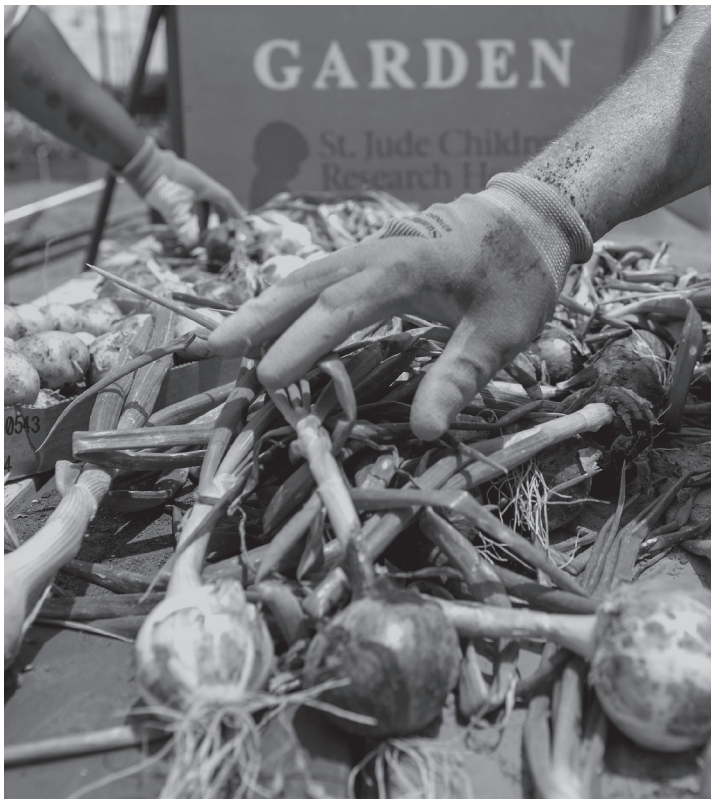
Lizbeth had been sick for weeks in 2021, unable to shake off a high fever. A visit to a hospital in her home state of Tennessee and several tests later revealed that the little girl had hemophagocytic lymphohistiocytosis (HLH), a rare disorder in which the immune system no longer works properly. Doctors referred Lizbeth to St. Jude.

"The paramedics told me, don't worry, you are going to the best place in the world," Lizbeth's mother, Deysi, recalled.

Once at St. Jude, she was welcomed by doctors, a social worker and interpreters who spoke Spanish, her native language. Lizbeth received three months of chemotherapy and a bone marrow transplant with stem cells from her older sister, Brihana. Now she walks, runs and enjoys painting and swimming. She returned to school, and math is among her favorite subjects.

How Math Helps St. Jude

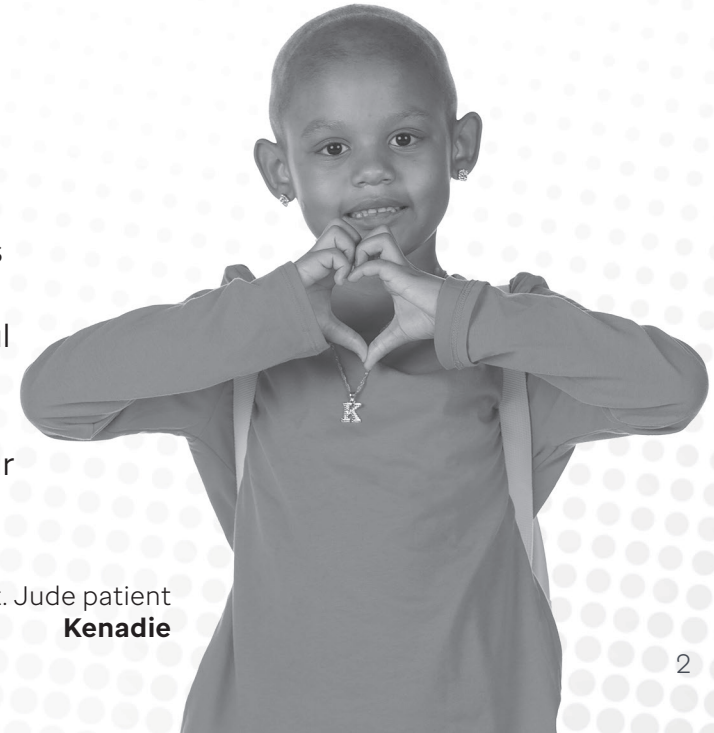
Math is used every day on the St. Jude campus. From careful measurements for patient medicine to the complex mathematics needed in our state-of-the-art research facilities, numbers play an important role in helping our patients. As you complete each worksheet, know that you're sharpening important skills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

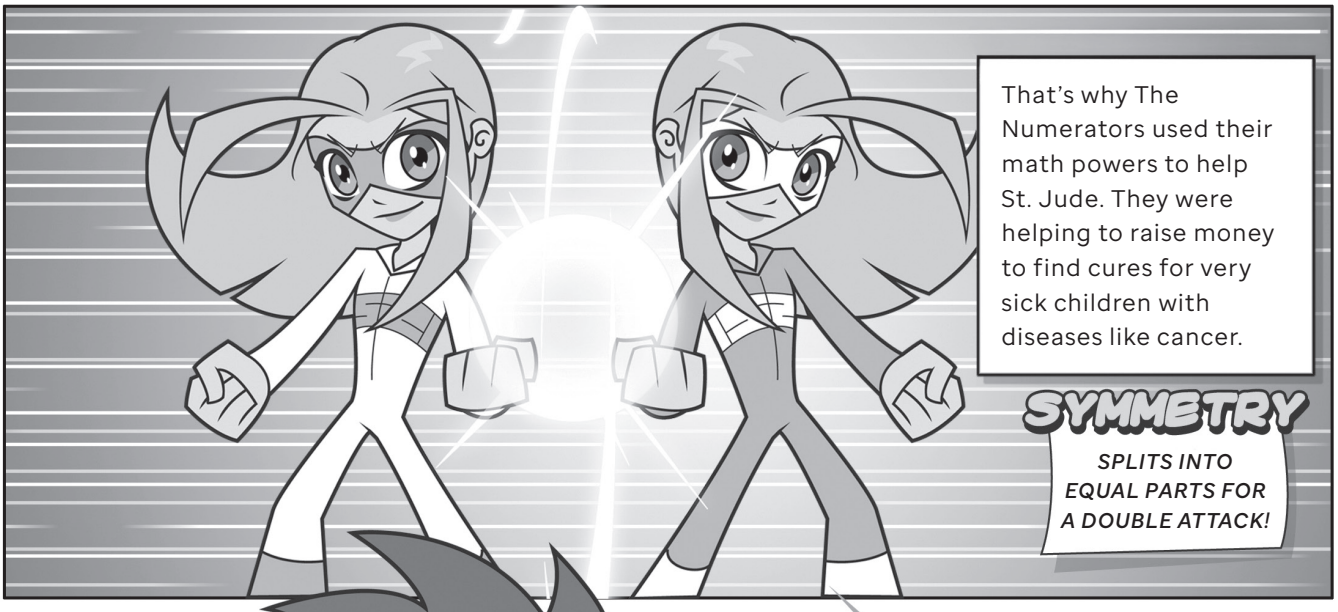
St. Jude relies on the power in numbers. Math plays a vital role in nearly every aspect of our campus, but the strength in numbers is never more powerful than when it helps our patients. That's where you come in – turn to the back page of your funbook to start the sign-up process. You can even have your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



St. Jude patient
Kenadie

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.



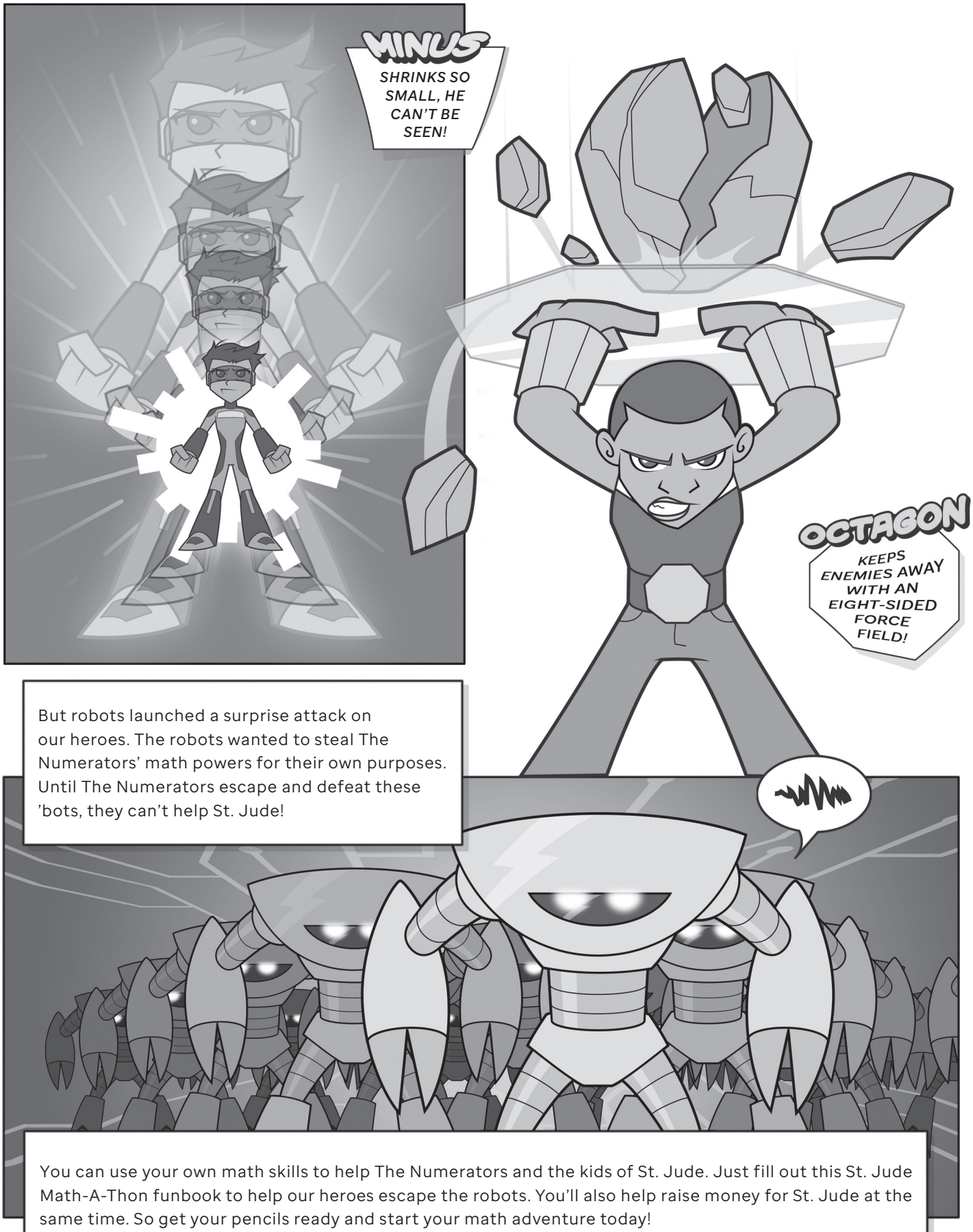
That's why The Numerators used their math powers to help St. Jude. They were helping to raise money to find cures for very sick children with diseases like cancer.

SYMMETRY

SPLITS INTO EQUAL PARTS FOR A DOUBLE ATTACK!

FRACTION

FIGHTS WITH A POWERFUL SLASH!



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!

Code Crackers

A secret message is hidden in a chart of problems. Dr. Jax believes this message holds the key to defeating the droids. Solve the addition and subtraction problems to decode the message.

1. $12 + 5 = \_\_\_\_\_$ A	2. $20 - 6 = \_\_\_\_\_$ N
3. $10 - 2 = \_\_\_\_\_$ I	4. $9 + 7 = \_\_\_\_\_$ H
5. $1 + 12 = \_\_\_\_\_$ T	6. $16 - 4 = \_\_\_\_\_$ M

7. Write the letter that matches each number to reveal the message.

_____	_____	_____	_____
12	17	13	16

Connection Quest

The droids have cut off The Numerators' internet access. To restore access, match questions on the left to the numbers on the right. Draw a line to each correct answer to help The Numerators get back online.

1.	What number is 10 less than 55?	62
2.	What number is 10 more than 16?	99
3.	What number is 10 less than 72?	53
4.	What number is 10 more than 89?	14
5.	What number is 10 less than 24?	45
6.	What number is 10 more than 43?	26

Trap Trouble

The droids have set several traps outside The Numerators' headquarters. The only way to disarm them is by finding the missing numbers in each line. Identify the missing numbers to save their base.

1. 0 1 ☐ 3 4 5 ☐ 7

2. 15 ◯ 17 18 ◯ 20 21 ◯

3. 42 43 ☐ 45 46 ☐ 48 ☐

4. 74 △ 76 △ 78 △ 80 △

5. ⏢ 114 115 ⏢ 117 ⏢ 119 ⏢

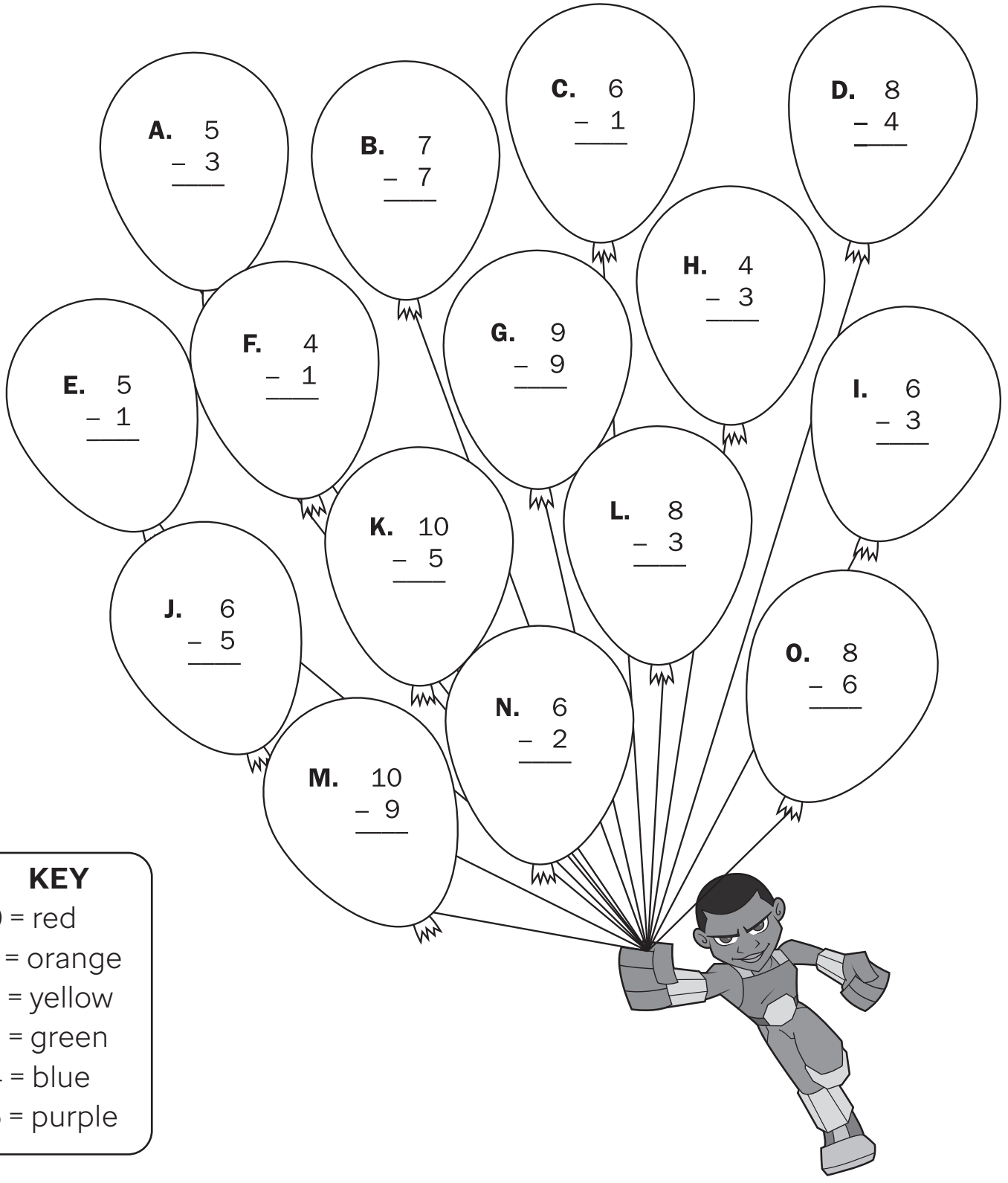
Droid Danger

The Numerators are surrounded by droid armies. Compare the number of droids in each group to find out which ones are the biggest threats to help The Numerators escape.

1. 25 ◯ 12	greater than >	equal to =	less than <
2. 68 ◯ 32	greater than >	equal to =	less than <
3. 42 ◯ 93	greater than >	equal to =	less than <
4. 86 ◯ 86	greater than >	equal to =	less than <
5. 50 ◯ 79	greater than >	equal to =	less than <

Balloon Escape

The droids have cut off Octagon. The only way to escape is to float away with nearby balloons. Solve the problem in each balloon and use the key to color them correctly to help Octagon soar to safety.

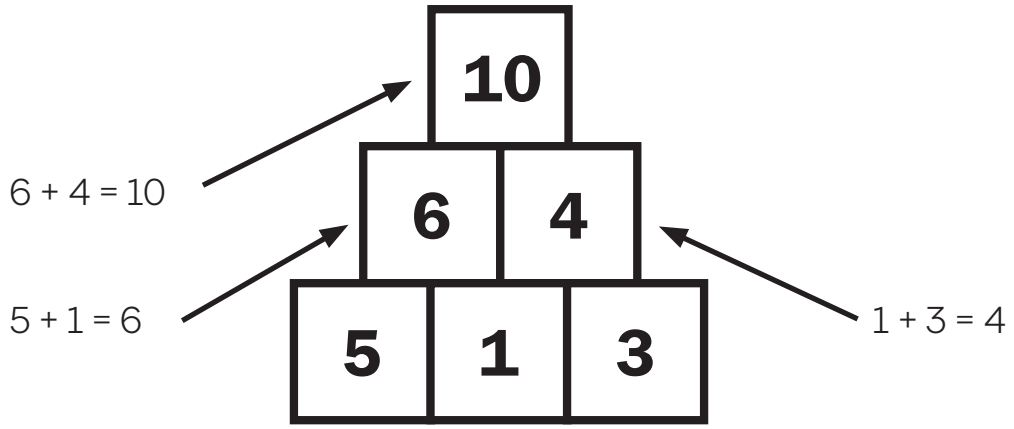


KEY

0 = red
1 = orange
2 = yellow
3 = green
4 = blue
5 = purple

Crate Droid Defeat

The Numerators have tracked the droids to an abandoned warehouse where they are hiding behind piles of crates. Every crate has a number, but some are missing. Each number is the sum of the two numbers below it. Fill in the missing numbers to find the droids and defeat them once and for all.



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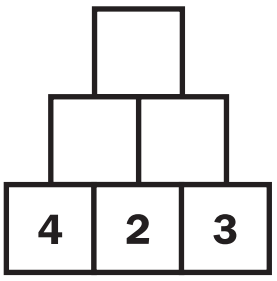

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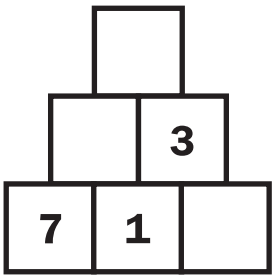

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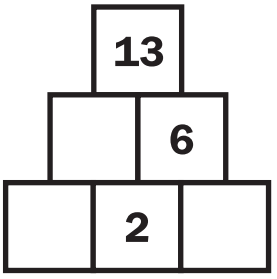

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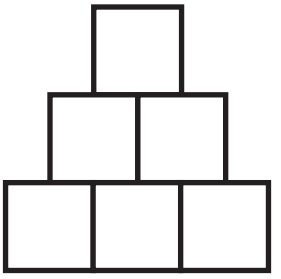

Make your own pyramid.

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
Beckett

LEVEL 1
FUNBOOK

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