There's
Power
In Numbers

stjude.org/math

St. Jude patient
Keeton

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!

St. Jude patient
Keeton

Meet Keeton

Interested in getting Keeton's attention? Talk to him about the movie "Cars". He's going to race like Lightning McQueen when he grows up. But right now, Keeton is undergoing two-and-a-half years of chemotherapy at St. Jude Children's Research Hospital® for the treatment of acute lymphoblastic leukemia.

Even in the midst of treatment, Keeton is a constant blur of motion. "Keeton, he loves everybody and I love them, too. I'm grateful for everybody at St. Jude." his mom said.

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 very 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.
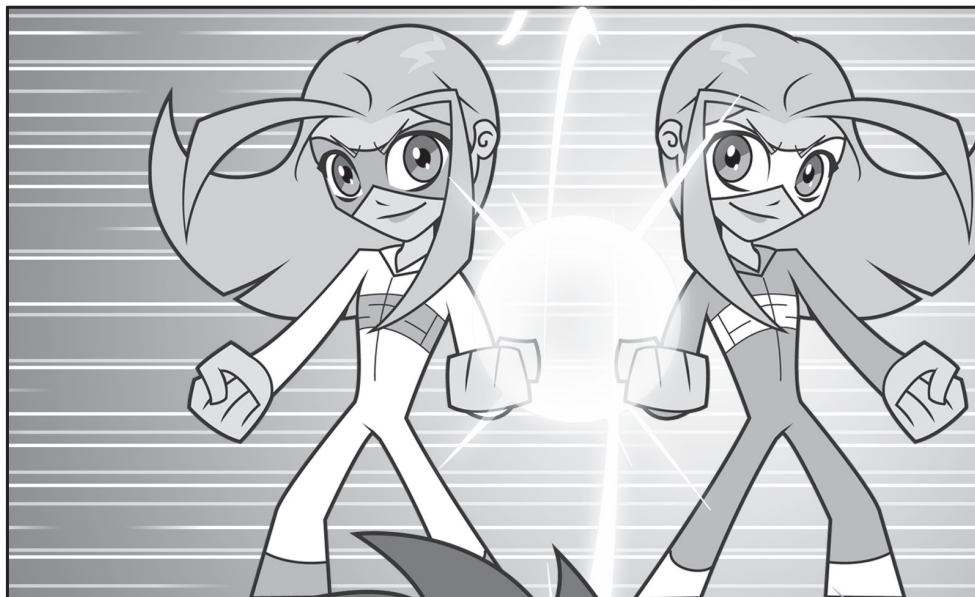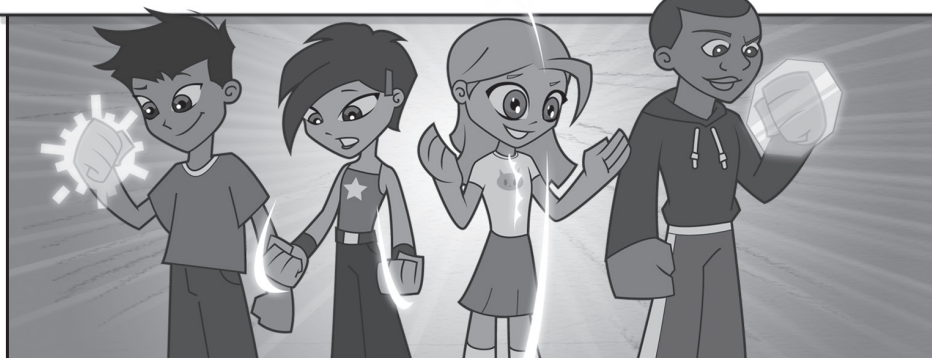
Ready to Sign Up?

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
Maelin-Kate

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 super powers. Now, these students call themselves The Numerators. They use their powers to protect other kids in danger.
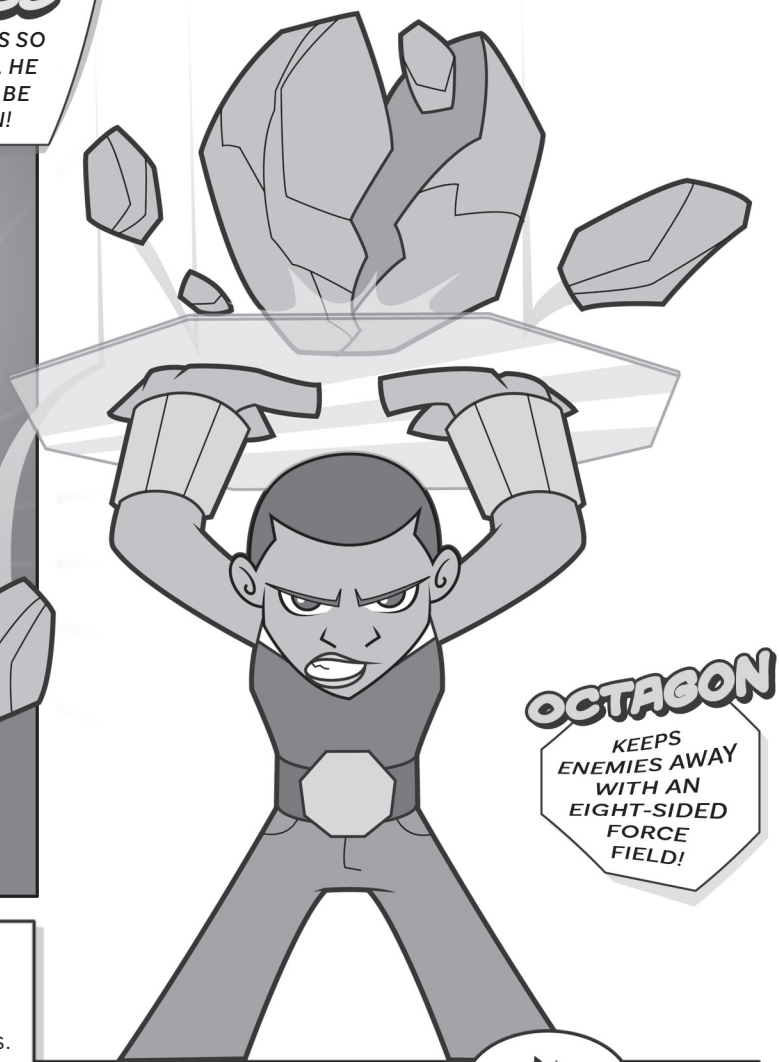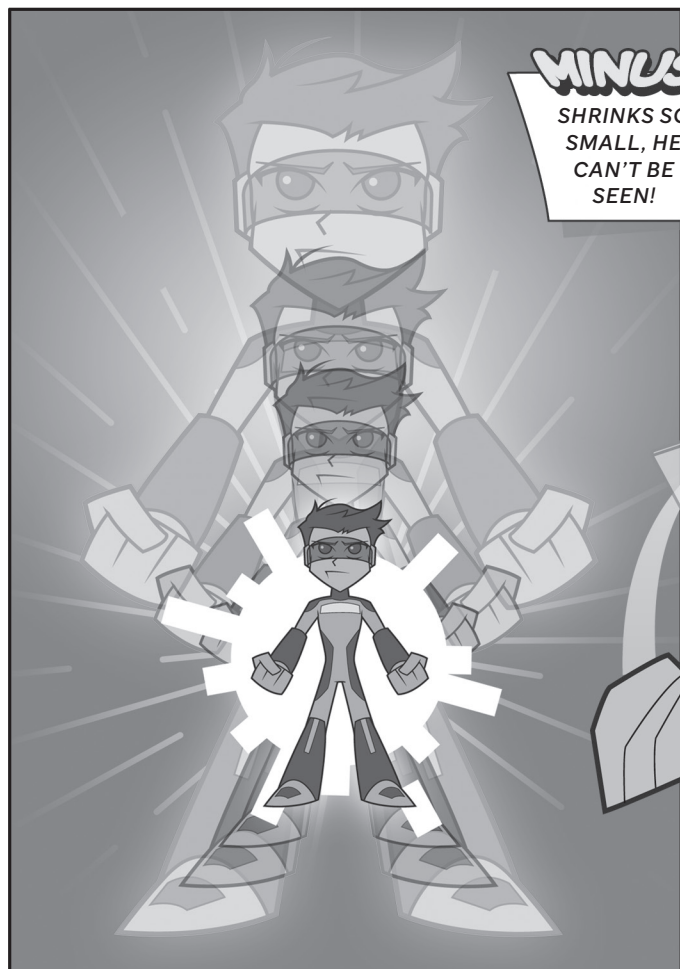
That's why The Numerators used their math powers to help St. Jude Children's Research Hospital®. They were helping to raise money to find cures for very sick children with diseases like cancer.
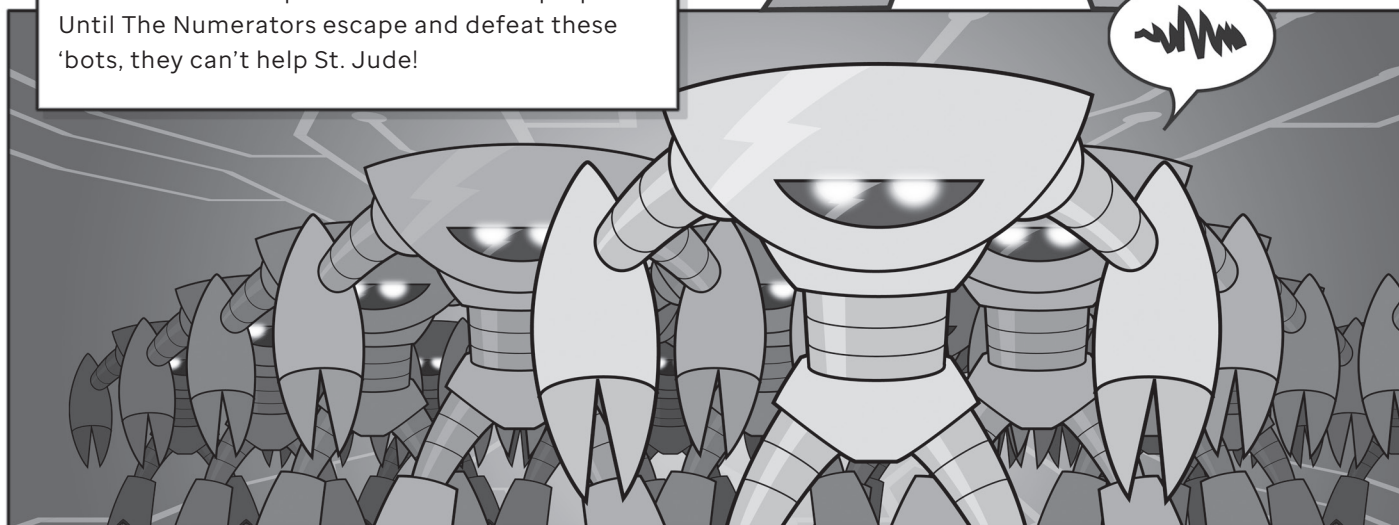
SYMMETRY

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. So get your pencils ready and start your math adventure today!

Mysterious Missing Numbers

What are the missing numbers? Think about number patterns to help you.

1.

33	34	
	44	45
53		

2.

15			18
	26		

3.

			30
	38		
47			

4.

	77	
		88

5.

| 25 |
| 32 |
| 54 |

6.

| 100 |

Arrows Point the Way

Draw arrows to show the numbers from least to greatest. Circle the greatest number in each group. The first one is done for you.

1.
N	O
235	(532)
325	352
P	R

2.
S	U
892	109
298	901
I	R

3.
M	L
426	711
642	671
N	P

4.
Z	X
765	756
567	657
R	O

5.
H	E
412	489
421	491
S	T

6.
O	R
127	132
125	151
T	A

7.
E	N
616	698
629	701
U	A

8.
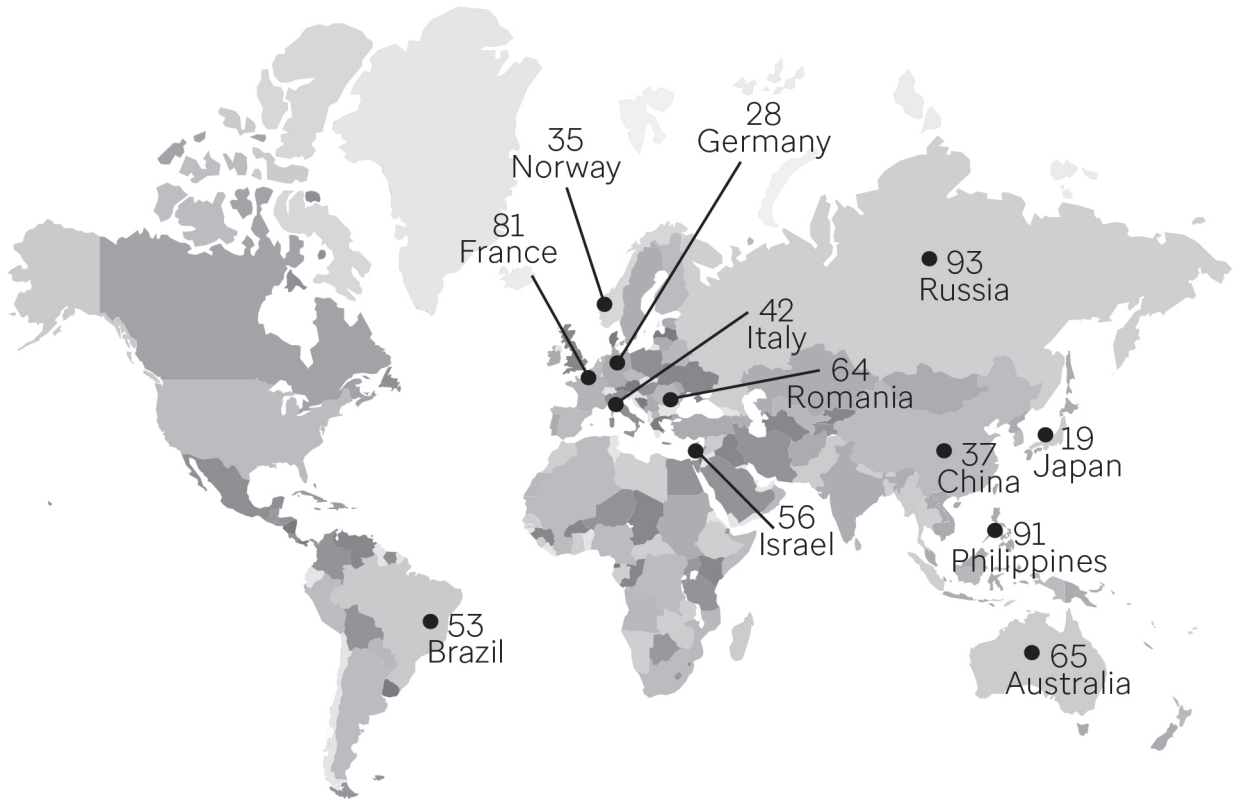| G	E
780	821
817	779
H	P

9.
W	T
514	541
511	520
X	M

10. Write your circled numbers from least to greatest beneath the blanks below. The first one is done for you.

11. Write the letters shown near your circled numbers to solve the riddle, "What is a ten without its number 1 friend?"

___   ___ ___ ___   ___ ___ ___ O
151

6

Names for Numbers

Write the number name for each group of tens and ones. Then find the number on the map and write the name of the country below. Learn how you might say hello there!

35
Norway

28
Germany

81
France

42
Italy

64
Romania

93
Russia

37
China

19
Japan

56
Israel

91
Philippines

53
Brazil

65
Australia

1. 3 tens, 7 ones
Number: _____
Country: _____
Níh hâo! (nee HAOW)

2. 4 tens, 2 ones
Number: _____
Country: _____
Ciao! (CHOW)

3. 5 tens, 3 ones
Number: _____
Country: _____
Olá! (oh-LAH)

4. 5 tens, 6 ones
Number: _____
Country: _____
Shalom! (shah-LOHM)

5. 9 tens, 1 one
Number: _____
Country: _____
Kumusta! (ku-MUS-ta)

6. 3 tens, 5 ones
Number: _____
Country: _____
Hei! (HAY)

7. 8 tens, 1 one
Number: _____
Country: _____
Bonjour!
(bohn-ZHOOR)

8. 9 tens, 3 ones
Number: _____
Country: _____
Privet! (PREE-vyet)

9. 1 ten, 9 ones
Number: _____
Country: _____
Konnichiwa!
(koh-NEE-chee-wah)

10. 6 tens, 5 ones
Number: _____
Country: _____
G'day! (guh DAY)

11. 6 tens, 4 ones
Number: _____
Country: _____
Salut! (sah-LOOT)

12. 2 tens, 8 ones
Number: _____
Country: _____
Guten Tag!
(GOO-ten TAHG)

Toy Choices

Go shopping! First, count the money. Then, pick two items you can buy without spending more than you have. (You can choose the same toy more than once.) The first one is done for you.

19¢   14¢   28¢   21¢   25¢   40¢   32¢

1.
40¢

Bear _____ 21¢
Truck _____ + 14¢
Total 35¢

2.
_____

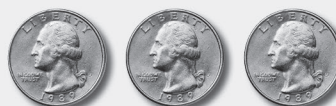_____ _____
_____ + _____
Total _____

3.
_____

_____ _____
_____ + _____
Total _____

4.
_____

_____ _____
_____ + _____
Total _____

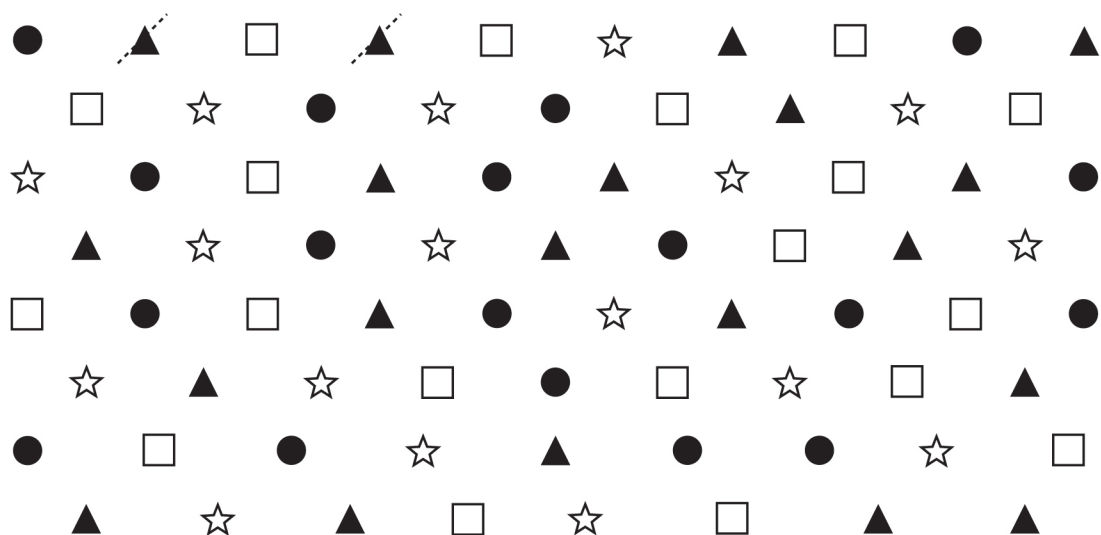5.
_____

_____ _____
_____ + _____
Total _____

6.
_____

_____ _____
_____ + _____
Total _____

Counting Maze

Count the number of each shape. Cross them out as you count.
Write the numbers in the correct order.

1. How many? ▲ _____

2. How many? ☆ _____

3. How many? ● _____

4. How many? □ _____

5. Write the numbers in order.

_____

Cross Number Puzzle

Use the clues to complete the puzzle. Instead of using letters to form words, use digits to form numbers.

ACROSS

A. 300 + 20 + 6

B. 2 hundreds, 5 ones

D. 2 hundreds, 7 tens, 8 ones

F. 900 + 30 + 7

G. 7 hundreds, 2 tens, 9 ones

I. Five hundred sixty-six

K. Eight hundred twelve

L. 4 hundreds

DOWN

A. 3 hundreds, 9 tens, 2 ones

C. 500 + 40 + 7

E. Eight hundred nineteen

F. 9 hundreds, 7 tens, 5 ones

H. Two hundred thirty-one

J. 6 hundreds, 9 tens

LEVEL 2
FUNBOOK

Answer Key

Page 5
Mysterious Missing Numbers
1. 35, 43, 54, 55
2. 16, 17, 27, 37
3. 27, 28, 29, 40, 48
4. 66, 67, 68, 78, 86
5. 22, 24, 34, 42, 45, 52, 53
6. 68, 69, 70, 79, 87, 89, 97, 98

Page 6
Arrows Point the Way
1. 235, 325, 352, 532
2. 109, 298, 892, 901
3. 426, 642, 671, 711
4. 567, 657, 756, 765
5. 412, 421, 489, 491
6. 125, 127, 132, 151
7. 616, 629, 698, 701
8. 779, 780, 817, 821
9. 511, 514, 520, 541
10. 151, 491, 532, 541, 701, 711, 765, 821, 901
11. A T O T A L Z E R O

Page 7
Names for Numbers
1. 37; China
2. 42; Italy
3. 53; Brazil
4. 56; Israel
5. 91; Philippines
6. 35; Norway
7. 81; France
8. 93; Russia
9. 19; Japan
10. 65; Australia
11. 64; Romania
12. 28; Germany

Page 8
Toy Choices
1. 40¢; one possibility: bear 21¢, truck 14¢, total 35¢
2. 50¢; one possibility: bricks 28¢, doll 19¢, total 47¢
3. 60¢; one possibility: book 25¢, drum 32¢, total 57¢
4. 55¢; one possibility: crayons 40¢, truck 14¢, total 54¢
5. 45¢; one possibility: book 25¢, doll 19¢, total, 44¢
6. 75¢; one possibility: crayons 40¢, drum 32¢, total 72¢

Page 9
Counting Maze
1. 20
2. 17
3. 18
4. 19
5. 17, 18, 19, 20

Page 10
Cross Number Puzzle

A3	2	6		B2	0	C5
9						4
D2	7	E8		F9	3	7
		1		7		
G7	H2	9		I5	J6	6
	3				9	
K8	1	2		L4	0	0

St. Jude patient
Calvin

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 Children's® Research Hospital

St. Jude Math-A-Thon

mathathon.org | mathathon@stjude.org | #stjudemathathon | 1-800-386-2665