

My Name: \_\_\_\_\_

### Uncover It.

Do page 1 or 2. Then do page 3.

- ☐ page 1  
☐ page 2  
☐ page 3

### Your book!

What do you know?

☐ Edward Jenner, Inventor of the World's First Vaccine

Pick 6 to do:

- ☐ page 4  
☐ page 5  
☐ page 6  
☐ page 7  
☐ page 8  
☐ page 9  
☐ page 10

Name: \_\_\_\_\_

☐ I did page 1

edHelper

Uncover the Story Number 1

(Pick just one story to uncover!)



What is going on? Write as many ideas as you can fit in the box.

My ideas....

Name: \_\_\_\_\_

☐ I did page 2

edHelper

Uncover the Story Number 2

(Pick just one story to uncover!)



What is going on? Write as many ideas as you can fit in the box.

My ideas....

Name: \_\_\_\_\_

☐ I did page 3

edHelper

Which story did you decide to uncover? Check one.

☐ Uncover the Story Number 1☐ Uncover the Story Number 2

Best idea I had to describe this picture: \_\_\_\_\_

\_\_\_\_\_

Add a detail to this idea: \_\_\_\_\_

SECOND best idea I had to describe this picture: \_\_\_\_\_

\_\_\_\_\_

Add a detail to this idea: \_\_\_\_\_

Uncover the main character. Give the main character a name. Is the main character in the picture? \_\_\_\_\_

\_\_\_\_\_

Name: \_\_\_\_\_

☐ I did page 4

edHelper

Shade in the boxes. Put an X in the boxes you do not shade. Add. The first one is done.  
All shaded boxes in a row or column need to be next to each other.  
If you need to shade 2, you cannot have an X between two shaded boxes.

Shade 0    Shade 1    Shade 2

0    1    2

↓    ↓    ↓

			Shade 2
			Shade 1
			Shade 0

Add.

3	
6	

2    1    1

			0
			3
			1

_____	
_____	

1    0    0    3

				1
				2
				1

_____	
_____	

4    0    0

			1
			1
			1
			1
			0

_____	
_____	

0    4    4

			2
			2
			2
			2

_____	
_____	

3    0    0    1    0

					2
					1
					0
					1

_____	
_____	

0    2    0

			0
			1
			0
			1

_____	
_____	

Name: \_\_\_\_\_

☐ I did page 5

edHelper

Shade in the boxes. Put an X in the boxes you do not shade. Add. The first one is done.  
 All shaded boxes in a row or column need to be next to each other.  
 If you need to shade 2, you cannot have an X between two shaded boxes.

2	2	0	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0

4 ☒

5 ☒

2	3	2	1	2	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1

\_\_\_\_\_ ☒

\_\_\_\_\_ ☒

2	0	1	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0

\_\_\_\_\_ ☒

\_\_\_\_\_ ☒

2	2	1	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3

\_\_\_\_\_ ☒

\_\_\_\_\_ ☒

2	4	4	1	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2

\_\_\_\_\_ ☒

\_\_\_\_\_ ☒

1	1	2	0	0	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0

\_\_\_\_\_ ☒

\_\_\_\_\_ ☒

0	3	1	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1

\_\_\_\_\_ ☒

\_\_\_\_\_ ☒

Name: \_\_\_\_\_

☐ I did page 6

edHelper

Shade in the boxes. Put an X in the boxes you do not shade. Add.  
 All shaded boxes in a row or column need to be next to each other.  
 If you need to shade 2, you cannot have an X between two shaded boxes.

2	1	0

0  
2  
1  
0

\_\_\_\_\_ ☐

\_\_\_\_\_ ☒

1	2	4	4

4  
3  
2  
2

\_\_\_\_\_ ☐

\_\_\_\_\_ ☒

0	1	0	0	2

0  
2  
0  
1

\_\_\_\_\_ ☐

\_\_\_\_\_ ☒

1	2	3

1  
2  
0  
3  
0

\_\_\_\_\_ ☐

\_\_\_\_\_ ☒

0	1	0	3

0  
1  
2  
1

\_\_\_\_\_ ☐

\_\_\_\_\_ ☒

4	0	1

2  
1  
1  
1

\_\_\_\_\_ ☐

\_\_\_\_\_ ☒

3	0	4	0

0  
2  
2  
2  
1

\_\_\_\_\_ ☐

\_\_\_\_\_ ☒

Name: \_\_\_\_\_

☐ I did page 7

edHelper

### What Words? Your Words!

Fill in the boxes with letters to make words. Each box is worth points. Earn points by filling in as many boxes as you can. Sum up the points you earn for each word.

Make a Word

Sum

1 2 4 8 12  
F R A C T I O N

27

1 2 4 6 10 16  
G R

1 2 4 6 10 14  
D E

1 2 4 6 10 16 22  
A

1 2 4 6 10 14  
T H

1 2 4 6 10 16 22  
R

1 2 4 6 10 14  
N I

1 2 4 6 10 14  
F U

1 2 4 8 12  
O

Make a Word

Sum

1 2 4 6 12 18  
S O

1 2 4 6 10  
H E

1 2 4 8 14  
M Y

1 2 4 6 8 14 20  
E

1 2 4 6 10 14  
I D

1 2 6 10 16  
T O

1 2 4 6 10 14  
V A

1 2 6  
M A

1 2 4 8  
G R



Name: \_\_\_\_\_

☐ I did page 8

edHelper

### What Words? Your Words!

Fill in the boxes with letters to make words. Each box is worth points. Earn points by filling in as many boxes as you can. Sum up the points you earn for each word.

Make a Word

Sum

1 2 4 6 8 12 16  
S T O P P I N G

49

1 2 4 8 14 20  
G I

1 2 4 6 10 14  
A L

1 2 6 12 18  
S K A

1 2 6  
K E

1 2 4 6 8 14 20  
U

1 2 4 8 12 18  
I

1 2  
P L A

1 2 4 6 8 12 16  
O

Make a Word

Sum

1 2 4 6 12 18  
D I

1 2 4 8 14 20  
V O

1 2 4 6 10 16  
R H

1 2 4  
B A

1 2 4 6 10 14  
B A

1 2 4 6 10 16 22  
O

1 2 4 6 10 16  
I N

1 2 4 6 12  
P O

1 2 4 6 8 12 18  
U

Name: \_\_\_\_\_

☐ I did page 9

edHelper

<p>The monthly premiums for Mr. Martin's life insurance are \$17.68. At that rate, what is the yearly cost for Mr. Martin's life insurance?</p>	<p>Mr. Martinez bought some paint to make birdhouses. He put the paint in smaller cans so each student in his class could have a can. Each can holds <math>1\frac{1}{2}</math> pints of paint. He filled <math>12\frac{2}{3}</math> small cans with the paint he bought. How many pints of paint did he buy?</p>	<p>Last year, Wendy put off completing 6 of 10 assignments during Procrastination Week. She wants to have the same ratio of not completed to completed assignments this year. If the teacher gives her 15 assignments this year, how many should she complete to keep the ratio the same?</p>
<p>Emma made her own costume for Halloween. She bought 2.5 yards of fabric at \$2.64 per yard, 3 yards of black ribbon for \$0.33 per yard, and 4 spools of thread at \$0.29 per spool. Her mask cost \$9.65. How much did Emma spend on her costume?</p>	<p>Queen Victoria lived 82 years after a reign of 60 years. Write the fraction of her life she spent as Queen of England as a fraction in simplest form.</p>	<p>Robert used 11 cups of sand to build his sandcastle. Then he decided he wanted to add a wall. He used a total of 16 cups of sand. How many cups did he use to add the wall? Write an equation and solve it.</p>

Name: \_\_\_\_\_

☐ I did page 10

Fill in each box of the edHelperKu puzzle using the numbers from 1 to 6.  
Every row must contain the numbers 1, 2, 3, 4, 5, and 6.  
Every column must contain the numbers 1, 2, 3, 4, 5, and 6.  
In a cage with a plus sign, the given number will be the sum of all the digits in the cage.  
In a cage with a subtraction sign, the given number will be the difference. The largest number will always be the box with the clue.

1	15+				6+
3-	10+	5-	2-		
	5		6	18+	1-
6		4			3
9+		5	1-		4-
4	9+				

Fill in the blanks. These equations are from the puzzle above.

5 - \_\_\_\_ = 3

\_\_\_\_ - 1 = 1

6 + \_\_\_\_ = 9

6 - \_\_\_\_ = 5

\_\_\_\_ + 1 = 6

\_\_\_\_ + \_\_\_\_ + 5 + \_\_\_\_ + \_\_\_\_ = 18

Name \_\_\_\_\_

## Edward Jenner, Inventor of the World's First Vaccine

Answer the following questions **BEFORE** you read this book.  
Write what you know. If you want to guess, you can. You will **NOT**  
be marked wrong!

### 1. What is a vaccination?

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### 2. Have you ever been vaccinated? Do you know what diseases your vaccinations were for?

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### 3. Have you ever heard of a disease called smallpox? If so, what do you know about it?

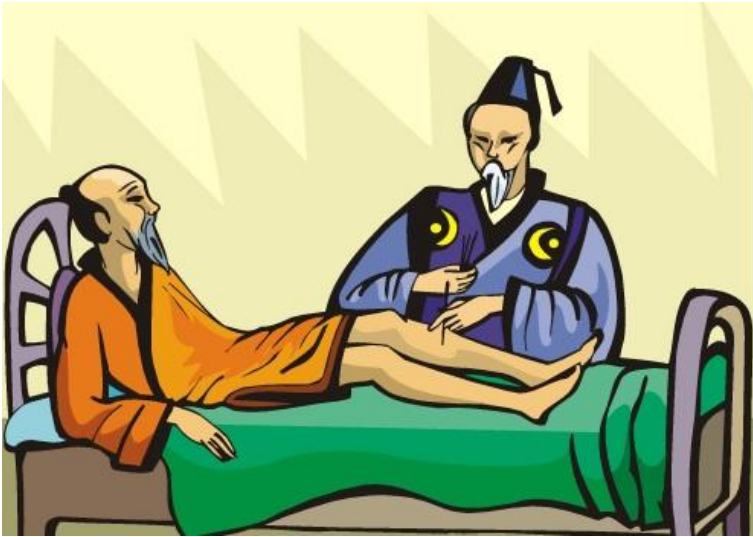
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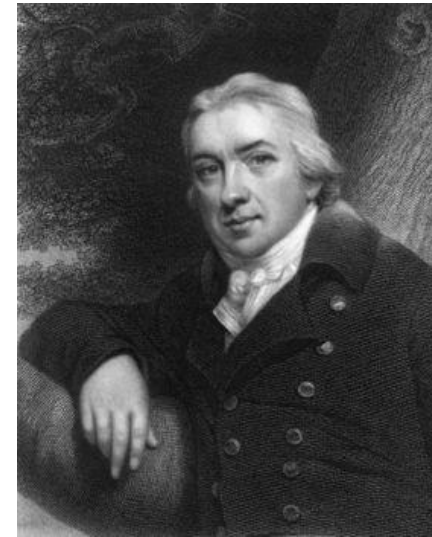
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For thousands of years, smallpox was a dreaded killer. Some mummies of ancient Egypt show that the disease existed 3,000 years ago. By the 18th century, it killed nearly a half million people each year in Europe. People often called smallpox the "speckled monster." Pink spots on the skin would turn into red blisters filled with pus. If a person was very lucky, the blisters would dry up. The scabs would fall off, but the survivors were left with scars called pockmarks for the rest of their lives. Many of them went blind. If a person was not lucky, he died a slow and agonizing death from smallpox. The disease spread from one sick person to another. It is now known that smallpox is caused by a virus. Photo credit: WHO "A child with smallpox"



More than a thousand years ago, doctors in China knew that the lucky people who did not die from smallpox were immune to the disease. They could not get smallpox twice. Chinese doctors began to inoculate people for smallpox. A doctor would take pus from a sick person's blisters and scratch it into the skin of people who were not sick. Those who were inoculated would get the disease. If they were lucky, they would only be mildly sick, and they would never get the disease again. Some inoculated patients did get seriously ill with smallpox. Many of them died from it.



The idea of inoculation caught on, but the disease was still a dreaded killer. In the 1700s, nearly a half million people each year in Europe died from it. When Edward Jenner was a child, his family's doctor inoculated him and his eight brothers and sisters with smallpox. Edward got very sick, but he survived. He would never forget the terrible disease. He decided at an early age that he wanted to become a doctor to help sick people, and he did. He was the only doctor for 400 square miles! He rode a horse to care for patients in different small towns. As he traveled, he heard about many treatments for common illnesses. Many of them were "old wives' tales" - stories with no basis in fact. One of these old wives' tales said that milkmaids (women whose job was to milk cows) never got smallpox. Jenner wondered if it were true, and if so, why?



In 1796, Edward treated a milkmaid named Sarah Nelms. Edward thought she might have cowpox, a common disease of cows. He remembered the old wives' tale about milkmaids never getting smallpox. He wondered if cowpox could be a milder form of smallpox. He knew that inoculation often worked - that people inoculated with smallpox pus didn't get as sick as others with the disease. Then he wondered if exposing people to cowpox would prevent them from getting smallpox. He asked his gardener if he could inoculate his son, James Phipps, with cowpox. Mr. Phipps agreed. Edward took some pus from Sarah Nelms's hand. He scratched James's skin and rubbed it with the pus. A week later, James was sick - but he only had a mild form of cowpox. A few weeks later, Dr. Jenner inoculated James with smallpox. James did not get the terrible disease.



Edward Jenner's idea of inoculation with cowpox led to one of the biggest milestones in medicine - vaccination. The word comes from the Latin word for "cow." If a person is vaccinated with a mild form of a disease, that person will become immune to the disease. In 1980, the World Health Organization (WHO) said that smallpox had been eradicated. The "speckled monster" no longer exists. The WHO says that people no longer need to be vaccinated for smallpox. Thanks to Jenner, today there are vaccines for many communicable diseases that can be passed from person to person. Are you up to date on your vaccinations?

Name \_\_\_\_\_

## Edward Jenner, Inventor of the World's First Vaccine

Answer the following questions **AFTER** you have completed this book.

## 1. Smallpox was caused by a

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**2. Tell why Dr. Edward Jenner is famous.**

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### 3. What happened when Dr. Jenner inoculated James Phipps with cowpox?

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#### 4. What happened when Dr. Jenner inoculated James Phipps with smallpox?

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5. Using information in the text, compare and contrast inoculation with vaccination. How are they alike? How are they different?

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.