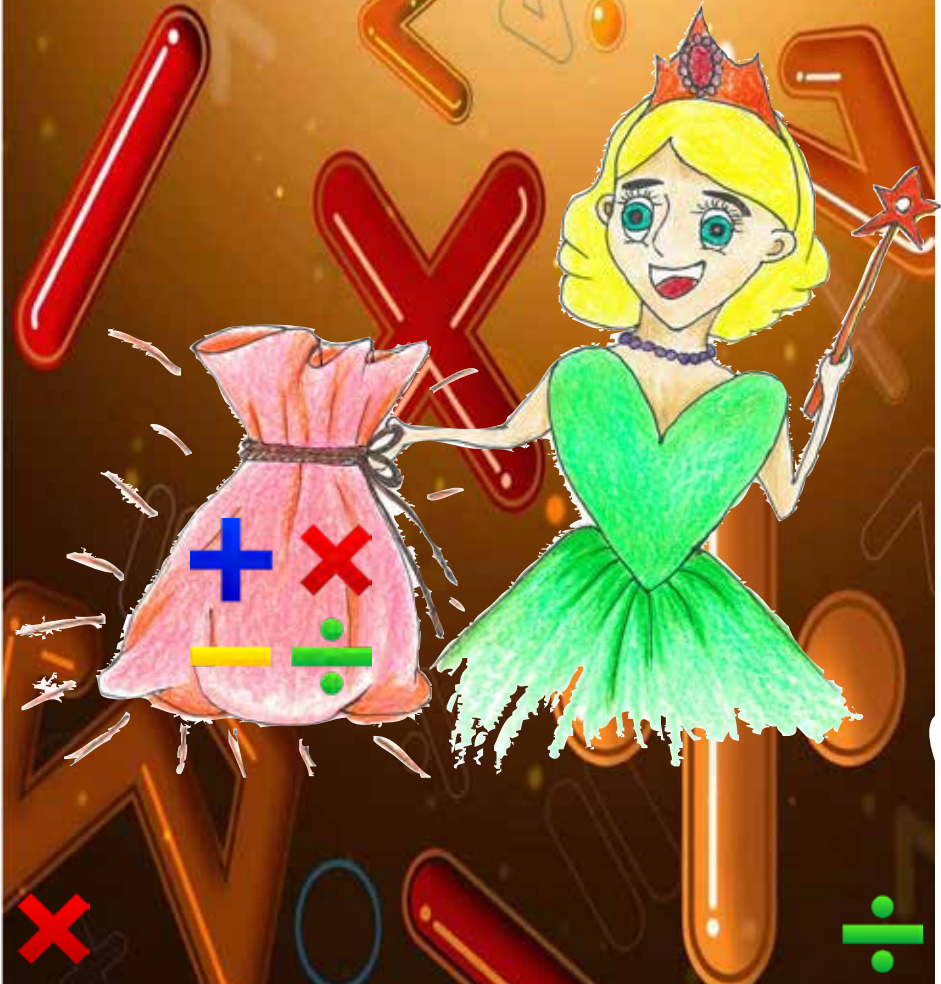


Front Cover

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# Money Math

-With Funky Fairy

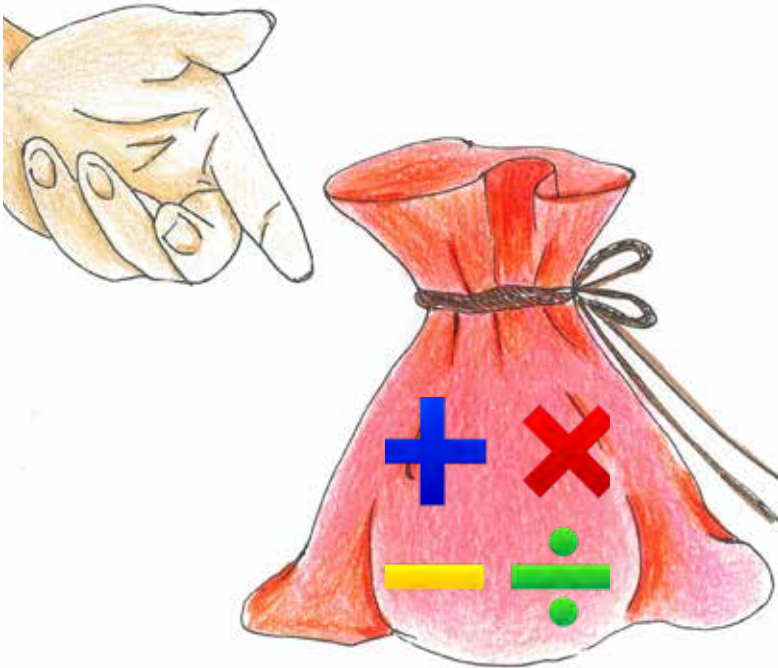




# Money Math

## -With Funky Fairy

What are the math actions that make money move?



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**Math makes money flow!**

# Money Math



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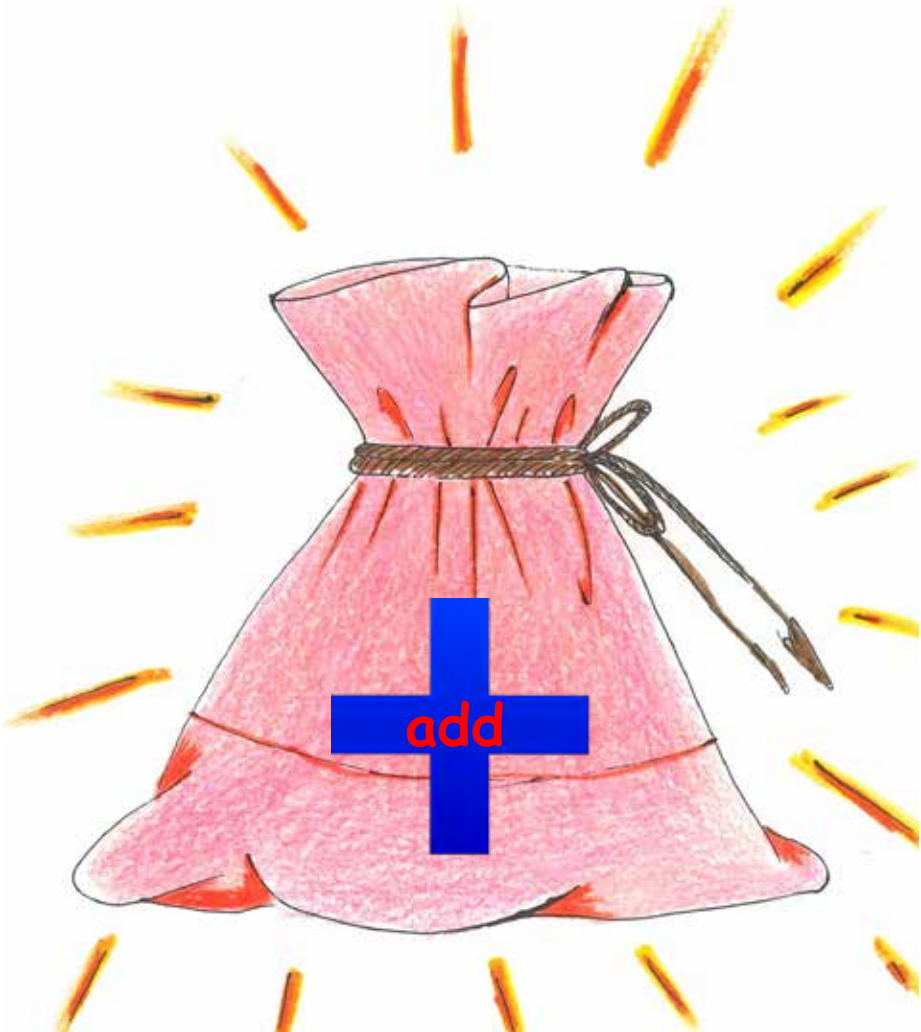
Funky Fairy likes math. She has fun helping others learn math too.



One day, Funky Fairy hears a lady yell. "Help! These numbers don't make sense! I don't know how much my bill will be?"



"That's easy!" said Funky.  
She reaches into her magic  
bag and pulls out a **plus** sign.



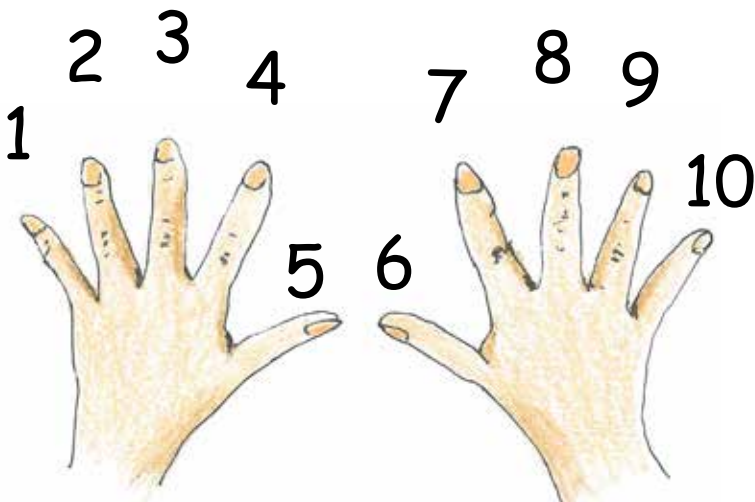
Funky said, "Just use this **plus** sign to **add** your bill.

**Adding** makes the number bigger. It tells you the total cost of what you are buying."





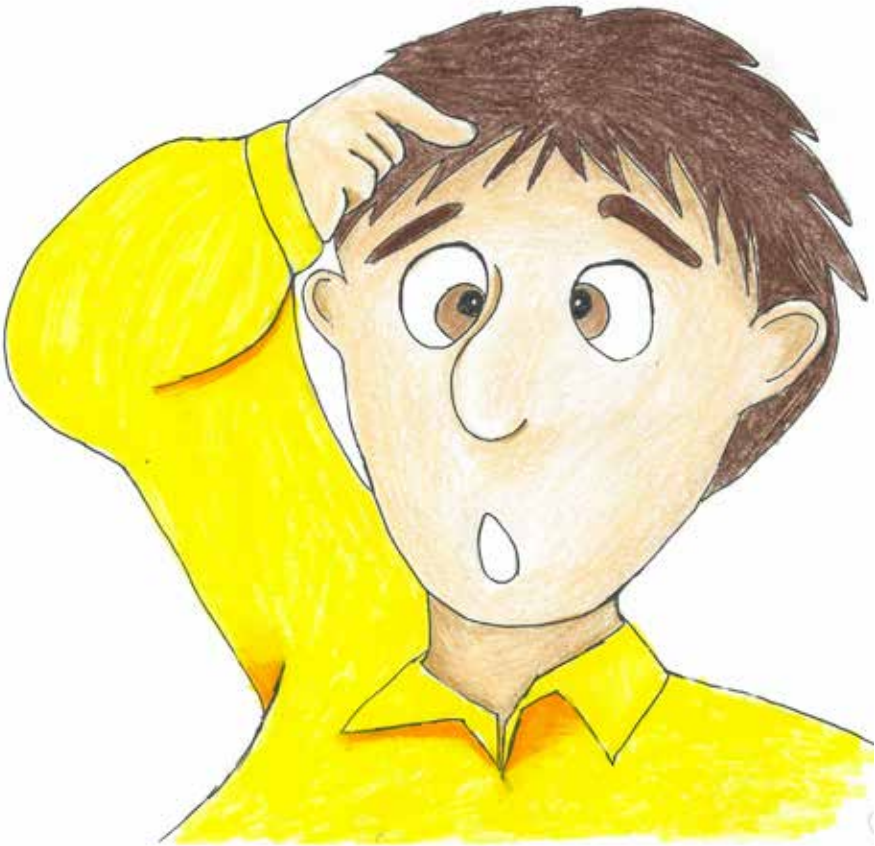
“Wow! Thanks! This **plus** sign sure is handy! I will use **add** all the time!”



$$5 + 5 = 10$$

Just then, at the next isle over, Funky hears a call for Help!

Funky quickly flies over and asks, "How may I help?" The man replies, "How much should my change be?"



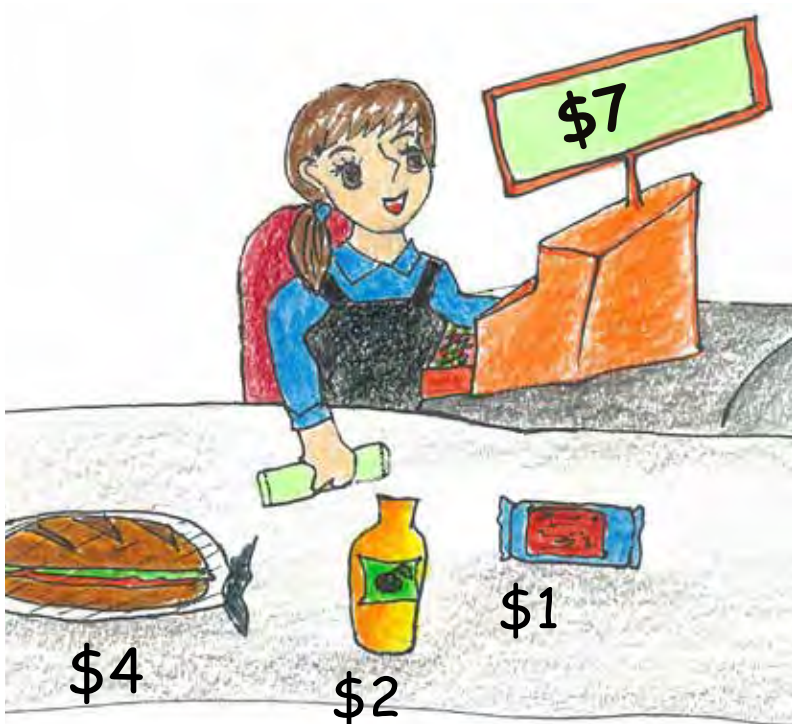
“Oh! That is easy!” said Funky Fairy. She reaches in her magic bag and pulls out a minus sign.



Funky said, "How much you pay,  
**take-away** your bill, equals your change!

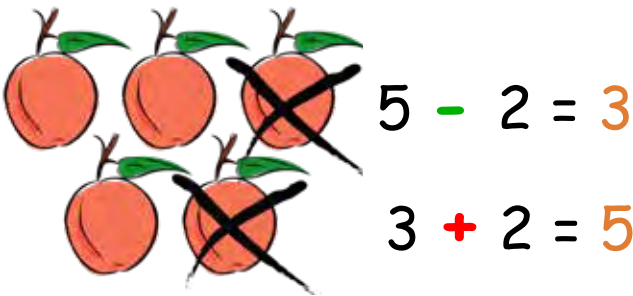
$$\$10 - \$7 = \$3$$

The man asks, "How did you do that?"

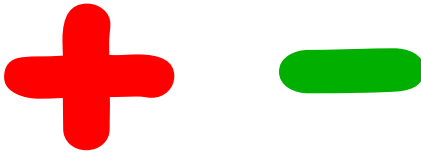


Funky replies, "We use **take-away** that is also called **subtract**.

It makes the number smaller."



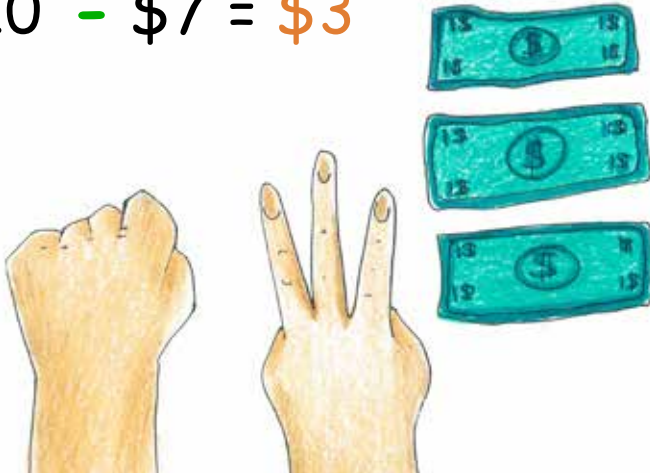
The man said, "Wonderful! I will use **take-away**, all the time.



"Hey! I just noticed that **add** and **take-away** are opposites."

Funky replies, "Back to your bill.  
Ten **take-away** seven is three.

$$\$10 - \$7 = \$3$$



The man smiles, "So my  
change is three."

Just then, a  
worker asks, "Help!"

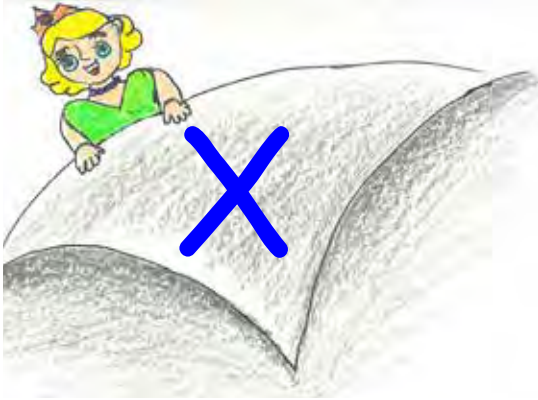
Funky quickly flies over and asks, "May I help you?" The worker replies, "How do I know how much money I make?"



Funky said, "Oh! That is easy!" She takes a **times** sign out of her magic bag.







Funky asks the worker a couple of questions. "How many hours did you work?" The worker answers, "40."

"How much do you make?" "\$10 per hour"

Funky smiles and said,  
"Forty times ten is for hundred."

$$40 \times \$10 = \$400$$

The worker asks,  
"How did you do that?"

Funky said, "It is easy with **times**. **Times** is also called **multiply**. **Multiply** makes the number bigger."



"For example, column times row.  
Five times two equals ten."

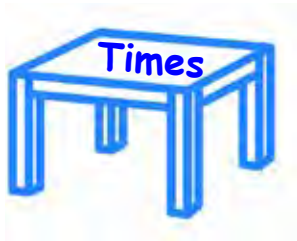
$$5 \times 2 = 10$$

Funky said, "To make them easier to learn, we put Times in a Table!"

# Multiply

| X  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10  |
|----|----|----|----|----|----|----|----|----|-----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10  |
| 2  | 4  | 6  | 8  | 10 | 12 | 14 | 16 | 18 | 20  |
| 3  | 6  | 9  | 12 | 15 | 18 | 21 | 24 | 27 | 30  |
| 4  | 8  | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40  |
| 5  | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50  |
| 6  | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60  |
| 7  | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70  |
| 8  | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80  |
| 9  | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90  |
| 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

The worker said, "I will learn the **Times Tables** now. Next time, I will be able to **multiply** by myself."



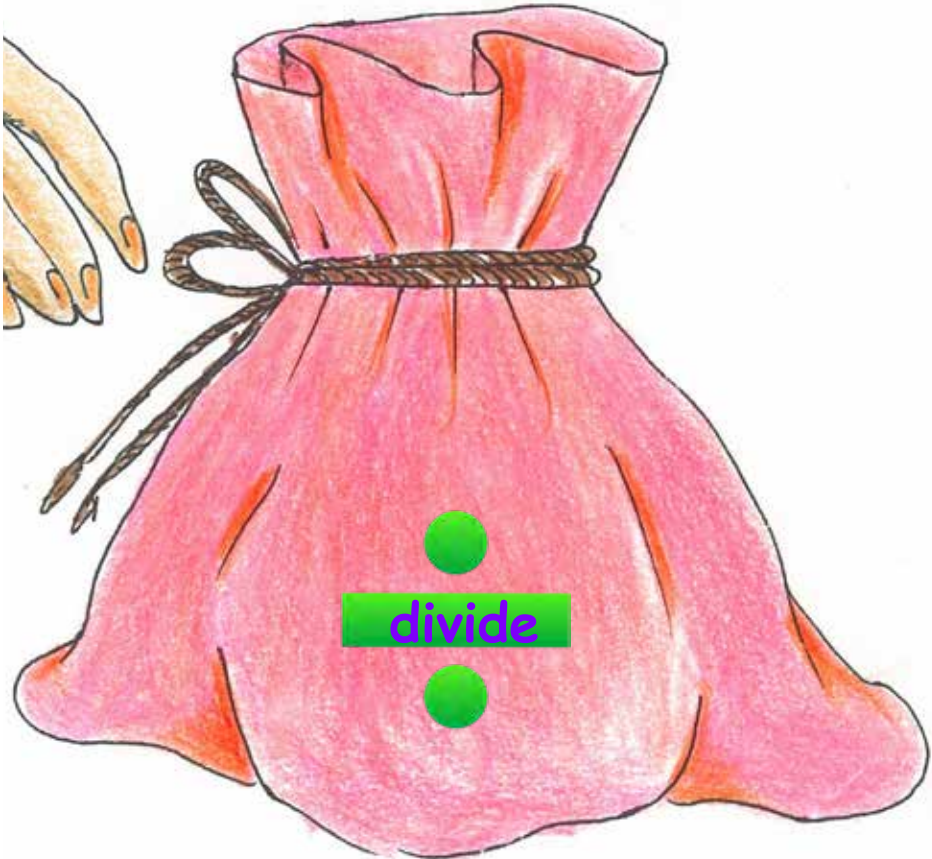


**Just then, there is a call for help from across the counter.**

The child said, "I only have \$5.  
"How do I know how many cookies  
I can buy? They cost 50 cents  
each. I want to share with my  
friends.



Funky Fairy said, "That is easy!" She grabs a **divide** sign from her magic bag.



Funky said,  
"The answer is 10."

The child asks,  
"How did you do that?"

Funky answers, "Five dollars is  
five hundred cents.  
 $\$5 = 500\text{¢}$ ."

Each cookie costs fifty cents.

So ..."



**50¢**





**“Five hundred  
divided by fifty is ten.**

$$500 \div 50\text{¢} = 10 \text{ cookies.}”$$

Funky Fairy laughs, "Divide is finding out, how many parts are in a whole. For example, there are eight pieces in this whole pie. Each piece is  $\frac{1}{8}$ th."





Funky continues, “**Divide** also asks, how many of a number are in the total. For example, how many 5’s are in 20?  
The answer is 4.

**Divide makes the number smaller.”**



$$20 \div 5 = 4$$

Twenty **divided** by five equals four.

The child replies, "Hey!  
I know that **divide** is  
the opposite of **times**."

Funky agrees!  
Five **times** four is **twenty**.

$$5 \times 4 = 20$$



The people at the store  
clap and clap. They say,  
"Hooray for Funky Fairy!"

Funky replies, "Hooray  
for plus, subtract, times  
and divide math also!"





Funky Fairy smiles,  
"What an amazing day!  
We **added** bills;  
**subtracted** change;  
**multiplied** a paycheck  
and **divided** pie!



Money Math is very  
useful and it tastes  
good too!"

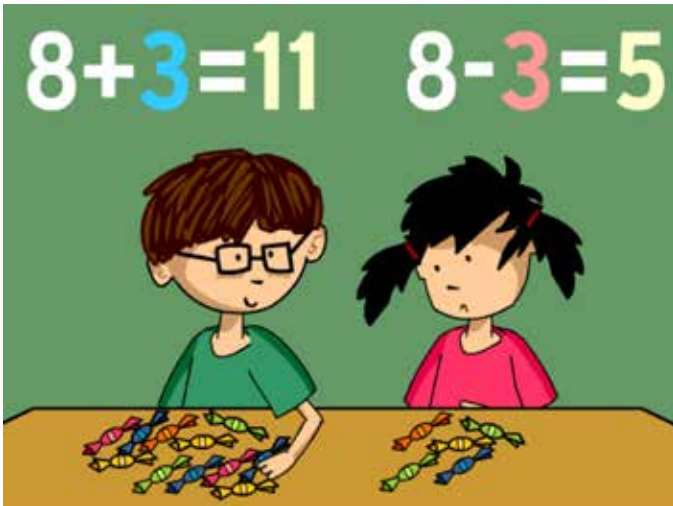




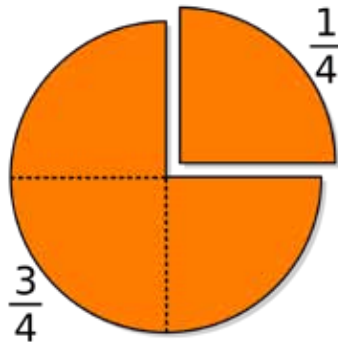


# Review

With simple math, we manage,  
where our money goes!



$$2 \times 2 = 4$$



# Back Cover

How does math move money? Funky Fairy helps us : **add** bills; **take-away** change; **multiply** wages and **divide** a pie.

