



3rd  
Basic

4th  
Advanced

# Helping With Math

USA  
GRADES

## Division Involving Money

Suitable for students  
aged 7-9



This pack is suitable for learners aged 7-9 years old or 3rd to 4th graders (USA). The content covers fact files and relevant basic and advanced activities involving division involving money.



The ice cream van has finally arrived in Townsville! Carina, who definitely loves ice cream, paid \$120 for 2 large tubs of vanilla flavor and 1 large tub chocolate flavor. If the cost of the chocolate flavor is \$40, how much is the vanilla flavor?



$$\$120 - \$40 = \$80$$

$$\$80 \div 2 = \$40$$

Hence, the cost of 1 vanilla ice cream flavor is \$40.

In division involving money, we will learn how to divide money denomination by whole numbers. The process of dividing money is similar to the process of the typical division of numbers.



## US DOLLAR CENTS

### PENNY



- It is a copper-plated zinc coin
- It has Abraham Lincoln on one side
- It is worth **1 cent**
- One penny can be written as 1¢ or \$0.01

### NICKEL



5 pennies = 1 nickel

- It is made of nickel and copper blend
- It is larger than a penny
- It is worth **5 cents**
- One nickel can be written as 5¢ or \$0.05

### DIME



10 pennies = 1 dime  
2 nickels = 1 dime

- It is made of nickel and copper blend
- It is smaller than a penny or a nickel
- It has Franklin D. Roosevelt on the front
- It is worth **10 cents**
- One dime can be written as 10¢ or \$0.10

### QUARTER



25 pennies = 1 quarter  
5 nickels = 1 quarter

- It is made of cupronickel
- It has George Washington on the front
- It is worth **25 cents**
- One quarter can be written as 25¢ or \$0.25



# US DOLLAR BILLS



## One dollar bill

- It features President George Washington
- **\$1.00**



## Two dollar bill

- It features an engraving of John Trumbull's painting
- **\$2.00**



## Five dollar bill

- It features President Abraham Lincoln
- **\$5.00**



## Ten dollar bill

- It features Alexander Hamilton
- **\$10.00**



## Twenty dollar bill

- It features President Andrew Jackson
- **\$20.00**



## Fifty dollar bill

- It features President Ulysses Grant
- **\$50.00**



## One hundred dollar bill

- It features a portrait of Benjamin Franklin
- **\$100.00**



# EXAMPLES



Let us divide  
the bills!



$$\div 5 = 20$$



$$\div 10 = \underline{\quad}$$



$$\div 4 = 30$$



$$\div 6 = \underline{\quad}$$



$$\div 5 +$$



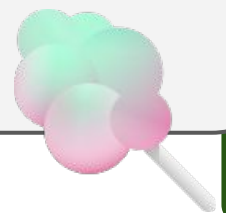
$$\div 5$$

4

+

1

= 5



# TABLE OF ACTIVITIES


<b>Ages 7-8</b> (Basic)		<u>3rd Grade</u>
1	Go Nuts Donuts	
2	I Love My Lollipop	
3	The Ice Cream Palace	
4	Sugar Bazaar	
5	Frozen Yogurt Pops	
<b>Ages 8-9</b> (Advanced)		<u>4th Grade</u>
6	Bread Talk	
7	Sweet Tooth	
8	Sugar Rush	
9	I Love Jelly Beans	
10	Sweet Escape	




# GO NUTS DONUTS


G3  
Basic


Enjoy the various appearance of donuts in the Sweets Cafe! Find how many donuts was bought by each customer. Show your solution.

1. Amelia bought \$300 worth of . How many pieces did she get?

2. Ellis bought  worth \$120. How many donuts did she get to eat?

● SWEETS CAFE ●	
	----- \$6 ea
	----- \$9 ea
	----- \$10 ea
	----- \$4 ea

3. Bailey purchased \$270 worth of . How many pieces did he get?

4. Ben purchased  worth \$360. How many donuts did she get to eat?



# I LOVE MY LOLLIPOP

G3  
Basic

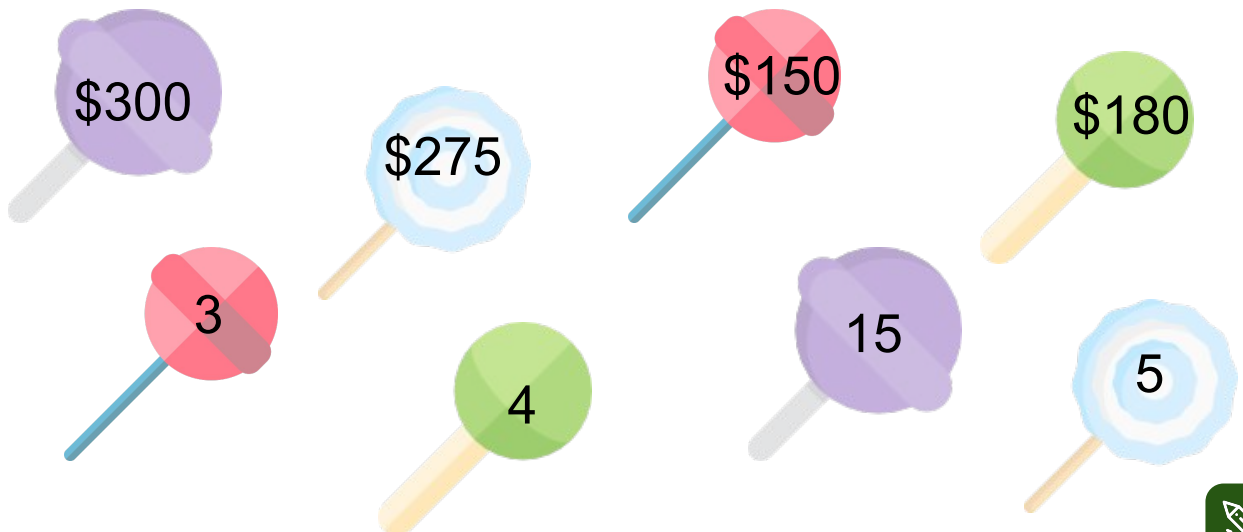
Look and find the similar lollipops below then answer the questions. Show your solution.

1. Find the quotient of the purple lollipops.

2. Find the quotient of the blue-white lollipops..

3. Find the quotient of the red lollipops.

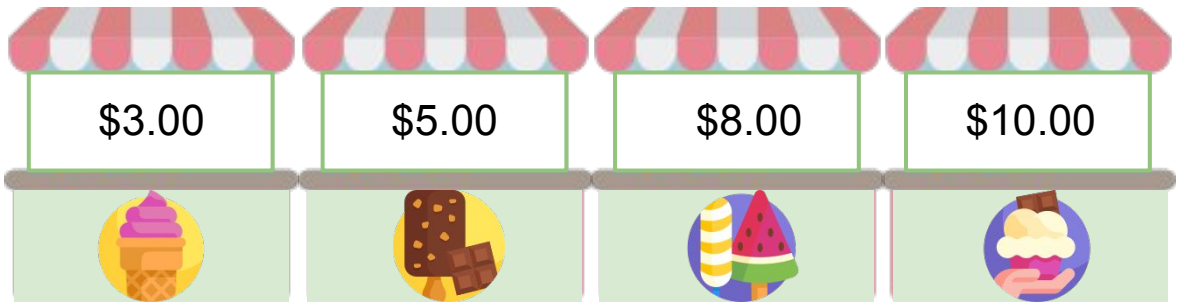
4. Find the quotient of the green lollipops.



# THE ICE CREAM PALACE

G3  
Basic

A group of kid-tourists will buy the most famous ice cream in town. Help them acquire ice cream by answering the problems below. Show your solution.



1. Richard purchases \$30 worth of strawberry ice cream. How many did he get?
2. Adele purchases \$240 worth of watermelon ice cream. How many did she get?
3. Danielle purchases \$70 worth of chocolate ice cream. How many did she get?
4. Stefania purchases \$400 worth of vanilla ice cream. How many did she get?

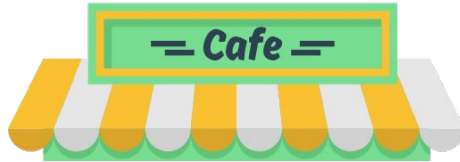




# SUGAR BAZAAR

G3  
Basic

Here comes the different stores to serve your sweet tooth! Buy from all of them within 3 minutes by answering the division involving money below within the given time frame.



$$\begin{array}{r} \$500 \\ \div \\ \hline 20 \end{array}$$

$$\begin{array}{r} \$170 \\ \div \\ \hline 5 \end{array}$$

$$\begin{array}{r} \$350 \\ \div \\ \hline 7 \end{array}$$



$$\begin{array}{r} \$286 \\ \div \\ \hline 22 \end{array}$$

$$\begin{array}{r} \$448 \\ \div \\ \hline 14 \end{array}$$









$$\begin{array}{r} \$140 \\ \div \\ \hline 7 \end{array}$$



# FROZEN YOGURT POPS

G3  
Basic

Avail your yogurt coupon by identifying the division sentence applicable to the following quotient. Cut and paste your answer on the space provided.

	$\$250 \div 5$	$\$300 \div 50$	
	$\$175 \div 7$	$\$475 \div 25$	
	$\$150 \div 15$	$\$280 \div 4$	

1. The quotient produced is \$70. What is the division sentence?

2. What is the division sentence that will result to \$50?



3. The division sentence that resulted with a quotient of \$25?

4. The quotient is \$19. The division sentence is?



# BREAD TALK

G4  
Advanced

Delicious breads are now on sale! Grab the opportunity by solving the questions below. Write the cost beside the bread. Show your solution.

1. Camila bought 8 pcs of baguette for \$40. How much does each piece cost? How much will the change be if she handed \$50?

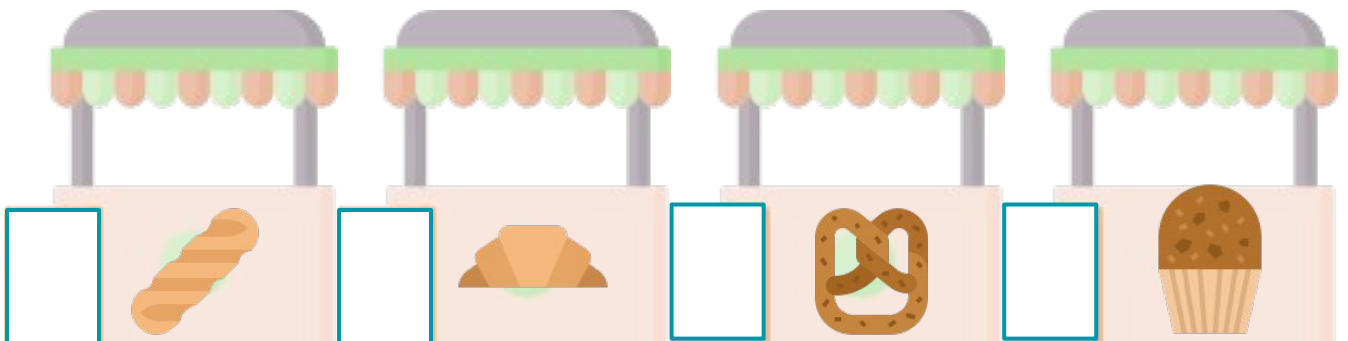
---

2. Sandra bought 12 pcs of croissant for \$84 and 10 pcs of baguette for \$50. How much does each croissant cost? How much is her total bill?

---

3. Kevin bought 8 pcs of pretzel for \$64 and 3 pcs of muffin for \$45. How much do each pretzel and muffin cost? How much is his total bill?

---



# SWEET TOOTH

G4  
Advanced

Help Maya save her teeth by identifying the word. Perform the indicated operations.

$$\begin{array}{r} \$600 \div 30 \\ + \\ \$450 \div 50 \\ \hline \end{array}$$

A

$$\begin{array}{r} \$750 \div 50 \\ + \\ \$360 \div 60 \\ \hline \end{array}$$

C

$$\begin{array}{r} \$840 \div 60 \\ + \\ \$290 \div 10 \\ \hline \end{array}$$

D

$$\begin{array}{r} \$980 \div 20 \\ - \\ \$160 \div 40 \\ \hline \end{array}$$

N

$$\begin{array}{r} \$460 \div 5 \\ - \\ \$570 \div 30 \\ \hline \end{array}$$

Y



\$21

\$29

\$53

\$43

\$73



# SUGAR RUSH

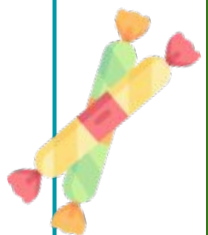
G4  
Advanced

Let some sugar rush give you energy to accomplish the task below.

1. Look for a supermarket receipt that your family member has at home. Encircle the sweet/candy items that he/she bought.
2. Fill-in the table below.
3. Answer the question at the end of this page.

Name of product/candy	Total cost	Price per piece	Division sentence of the purchase

How does this lesson help you to accomplish your task completely?



# I LOVE JELLY BEANS!

G4  
Advanced

Find the quotient of these amounts to get our most favorite jelly beans! All of the dividends are in dollars.

Given	Dividend	Divisor	Quotient
1. $80 \div 10 =$			
2. $95 \div 5 =$			
3. $20 \div 4 =$			
4. $48 \div 4 =$			
5. $96 \div 12 =$			
6. $100 \div 5 =$			
7. $500 \div 10 =$			
8. $126 \div 9 =$			
9. $234 \div 13 =$			
10. $285 \div 3 =$			



Escape from the world of sweets by answering the questions below.

1. Give two life examples or applications related to the theme where this lesson can be applied.



2. Why is it important to learn division involving money? What good thing can it cause you?



3. Did you enjoy this lesson? Share your enjoyable moment/s while learning this lesson.



# ANSWER GUIDE

## Activity 1

1. 50
2. 12
3. 30
4. 90

## Activity 2

1. \$20
2. \$55
3. \$50
4. \$45

## Activity 3

1. 10
2. 30
3. 14
4. 40

## Activity 4

1. \$25
2. \$34
3. \$50
4. \$13
5. \$32
6. \$20

## Activity 5

1.  $\$280 \div 4$
2.  $\$250 \div 5$
3.  $\$175 \div 7$
4.  $\$475 \div 25$

## Activity 6

1. \$5, \$10
2. \$7, \$134
3. \$8, \$15, \$105

## Activity 7

- A= \$29      N= \$53  
C= \$21      Y= \$73  
D= \$43      Word: CANDY

## Activity 8

Answers may vary.

## Activity 9

1. 80, 10, 8
  2. 95, 5, 19
  3. 20, 4, 5
  4. 48, 4, 12
  5. 96, 12, 8
  6. 100, 5, 20
  7. 500, 10, 50
  8. 126, 9, 14
  9. 234, 13, 18
  10. 285, 3, 95
- (Dividend,  
Divisor,  
Quotient)

## Activity 10

Answers may vary.





# Copyright Notice

This resource is licensed under the [Creative Commons Attribution-NonCommercial 4.0](https://creativecommons.org/licenses/by-nc/4.0/) International license.

You are free to:

- **Share** – copy and redistribute the material in any medium or format
- **Adapt** – remix, transform, and build upon the material

Under the following terms:

- **Attribution** – You must give appropriate credit, provide a link to the license, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use.
- **NonCommercial** – You may not use the material for commercial purposes.

For more information on this license, visit the following link:

<http://creativecommons.org/licenses/by-nc/4.0/>

Where possible, free-use images are sourced from online repositories such as Wikipedia and Wikimedia Commons. References and sources for images are provided in the speaker notes section of this document.

Thank you!



# Thank you

Thank you so much for purchasing and downloading this resource.

We hope it has been useful for you in the classroom and that your students enjoy the activities.

For more teaching and homeschooling resources like this, don't forget to [come back](#) and download the new material we add every week!

Thanks for supporting **Helping With Math**. We can provide teachers with low-cost, high-quality teaching and homeschooling resources because of our loyal subscribers and hope to serve you for many years to come.

- The Entire Helping With Math Team :)

