

**BAGDAD  
ELEMENTARY  
FAMILY MATH  
NIGHT**

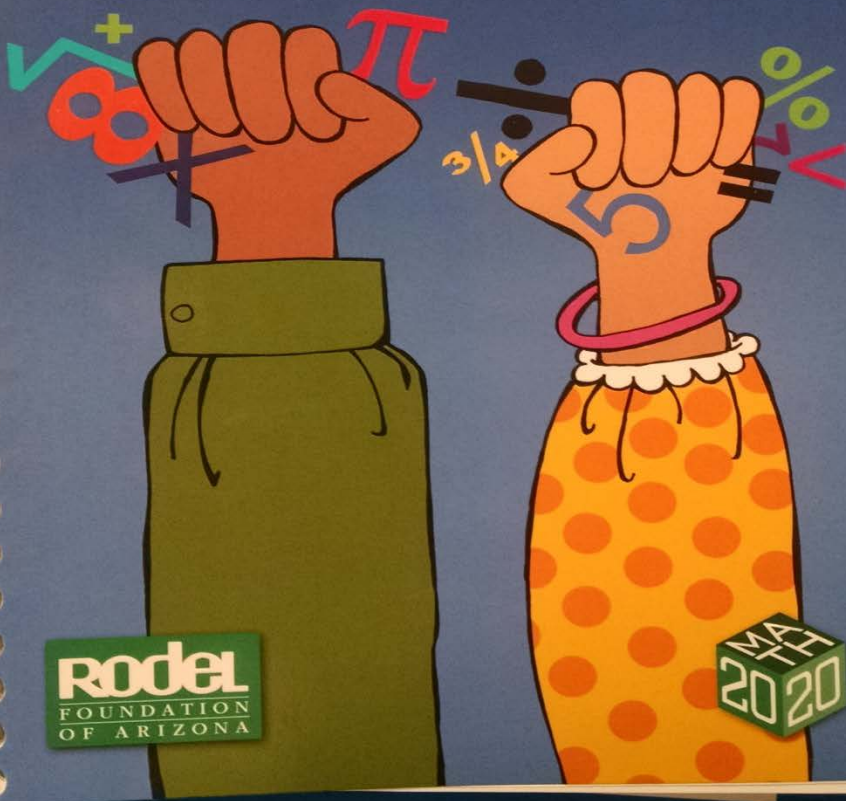


**Bagdad Unified School District**

"CHALLENGE AND EMPOWER ALL STUDENTS FOR SUCCESS"

# Math Power

*Simple Solutions for  
Mastering Math*



All families will receive  
a copy of this book

It is in English and  
Spanish

Compliments of Rodel  
Foundation of Arizona

## How to Use this Book

This is not the kind of book you read cover-to-cover, so let's take a minute to show you how this guide is put together!

There are 16 color-coded chapters that can be used to quickly locate a topic, and you can jump around to find just what you need to know. Chapters begin with basic topics and go into more detail as you move toward the end. On the next page, you'll see a list with all of the different math topics covered in this book. **Look for the matching color on the edge of the page to go directly to the chapter.**

There are also two additional tools at the back of the English section of this book to help you locate specific math problems, the **Standards Index** and the **Topic Index**.

### **Standards Index**

If you see a strange code next to a problem that looks like this: **4.NBT.B.5**, the first number is most important because it represents the grade level. The rest of the code is used by teachers to figure out which problems are alike. These are called "standards" and may be looked up in the **Standards Index** at the back of this guide. The Standards Index is sorted by grade level, Kindergarten through 6th Grade.

Use this book to

- Locate math topics
- Help understand key concepts
- Give you a visual representation of what they are learning
- Locate standards your child is working on
- Learn mathematics vocabulary



# Math Topics

## Whole Number & Decimal Place Value ..... 1-10

- Ones & Tens on a Ten Frame ..... 2
- Whole Number Place Value ..... 3-5
- Decimal Place Value ..... 6-7
- Comparing Numbers ..... 8
- Comparing Decimals ..... 9

## Math Symbols & Properties ..... 11-16

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- Order of Operations ..... 16

## Estimation (including rounding) ..... 17-22

- Estimation (including rounding) ..... 18
- Rounding Large Numbers ..... 19
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## Addition & Subtraction Using Place Value ..... 23-36

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- The Relationship Between Addition & Subtraction ..... 25
- Writing Equations for Addition & Subtraction Word Problems .....  
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- Addition & Subtraction Two-Step Word Problems ..... 29
- Adding Whole Numbers ..... 30
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- Subtracting Using the Adding On Method ..... 32
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- Subtracting Using the Traditional Method ..... 35
- Adding & Subtracting Decimals ..... 36

There are 16 color coded topics in the index

Page numbers are included

These topics will align with your child's content throughout the year

## Ones & Tens on a Ten Frame.....

A **ten frame** is an array (group) of squares that can be easily used to visualize numbers between 0 and 10, and how numbers can be combined or broken apart.



This is 8.



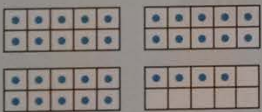
I see  
 $5 + 3 = 8$



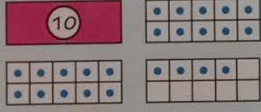
I see  
 $6 + 2 = 8$

**Unitizing** is understanding that the number "ten" can be thought of as both 1 group of ten and 10 individual ones.

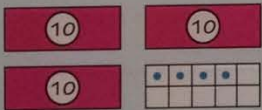
34



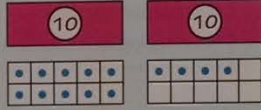
I see  
34 ones.



I see  
1 ten and  
24 ones.



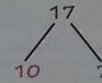
I see  
3 tens and  
4 ones.



I see  
2 tens and  
14 ones.

## Whole Number Place Value.....

Multi-digit numbers can be understood by looking closely at the **place value** of each digit.



$$10 + 7$$

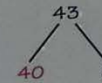
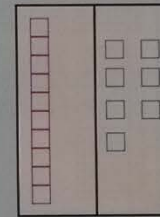
It can be quickly drawn as:



| tens | ones |
|------|------|
| 1    | 7    |

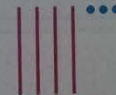
"seventeen"

I have 1 full rod of 10 ones which equals 1 group of 10. I have 7 individual ones.



$$40 + 3$$

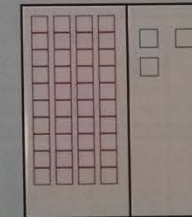
It can be quickly drawn as:



| tens | ones |
|------|------|
| 4    | 3    |

"forty-three"

I have 4 full rods of 10 ones which equals 4 groups of 10. I have 3 individual ones.



It takes 10 ones to make 1 ten.  
It takes 10 tens to make 1 hundred.  
It takes 10 hundreds to make 1 thousand.

I see a 10 to 1 relationship. 10 like units make 1 unit of the next highest value.

# Topic Index

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If you child brings home work based on addition word problems, you will notice pages 26-29, 58 deal with addition word problem.

Use this Topic Index to help your child understand that concept better.



# Standards Index

## KINDERGARTEN

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Page 167 has the standards and the page #'s that standard is located on. You may notice there are not as many standards as when we were younger!

Curriculum may seem to have more standards but students are practicing the standards in various ways.

# **TONIGHT'S ACTIVITIES**

**Pre-School will be in the library**

**All other grades in your child's classrooms**

**All teachers have grade level specific  
games/activities to play and have fun with**





Refreshments and copies of the Math Power books will be distributed at 7 p.m. in the cafeteria (One copy per family please)

At this time we will dismiss to the classrooms

- Pre-K, K, 1, 2, 3, 4, 5<sup>th</sup>

ENJOY THE ACTIVITIES

