

# Table of Contents

<b>MATH</b>	Introduction and Glossary .....	3
-------------	---------------------------------	---

<b>MATH</b>	Activities. ....	7
-------------	------------------	---

<b>MATH</b>	Stories and Companion Activities	
-------------	----------------------------------	--

Pigs	story and companion activities .....	33
------	--------------------------------------	----

The Costume Parade	story and companion activities .....	43
--------------------	--------------------------------------	----

Numbers All Around Me	story and companion activities .....	53
-----------------------	--------------------------------------	----

Spiders, Spiders Everywhere	story and companion activities .....	71
-----------------------------	--------------------------------------	----

<b>MATH</b>	Games and Mini Books. ....	89
-------------	----------------------------	----


<b>MATH</b>	Fact Cards .....	105
-------------	------------------	-----

<b>MATH</b>	Answer Key .....	119
-------------	------------------	-----

<b>MATH</b>	Award .....	127
-------------	-------------	-----



# Introduction

Understanding math is vitally important to your child's success in school and in life. The  series by Creative Teaching Press is expertly developed to help young children understand math concepts and ideas that relate to their world. Appealing activities and games, along with stories, fact cards, and a helpful glossary, support math success while making math fun.


Positive attitudes about math at home—including yours as a parent—lay the foundation for math success in school. Make a point of helping your child notice math-related activities and concepts that occur in his or her daily world, such as pointing out house numbers or counting cars or noticing clothing sizes. Also encourage your child to try these activities to practice thinking mathematically:

- Sort—clothes, toys
- Measure—ingredients, sizes
- Estimate—distance, time
- Tell—where, when, and how
- Play—card and board games
- Count—stairs, grocery items
- Compare—shapes, sizes, numbers
- Pretend—to be a waiter, cashier

Helping your child experience fun, real-world math interaction at an early age will build math enjoyment, knowledge, and success throughout your child's life.

## Glossary

Learning math can be a challenge for young children. At a time when they are just learning to recognize and understand basic words and language skills, young learners must also figure out the symbols, concepts, and specialized vocabulary of math—all of which can seem like an entirely different language.





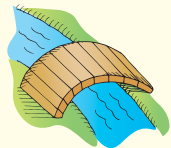
Specifically designed for Pre-Kindergartners and Kindergartners, this  Glossary provides visual examples with clear, easy-to-understand definitions for the important math terms they must learn.

For extra support, these words also appear in **red font** both here and in the math-related story questions. Calling out math words in this way helps young learners understand that math is a meaningful part of everyday language and does not exist solely on math worksheets.


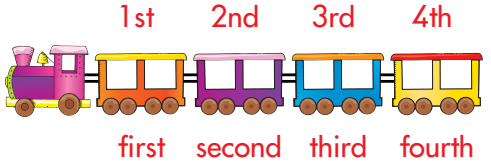
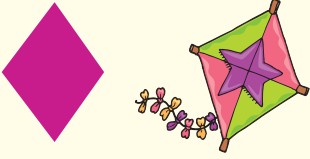

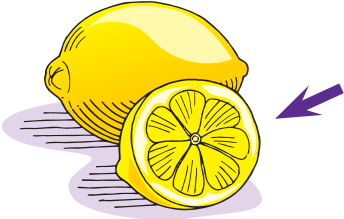

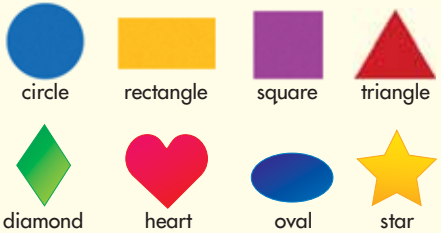

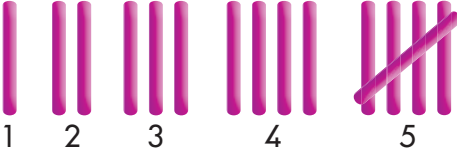
## SYMBOLS AND CONCEPTS

+	addition sign (also called <i>plus sign</i> )
=	equal sign
¢	cent sign
a set	a group  This is a <b>set</b> of 3.
part and whole	 <b>part</b>  <b>whole</b>

## LOCATION AND POSITION WORDS

after	16 17      17 is <b>after</b> 16
before	7 8      7 is <b>before</b> 8
between	1, 2, 3      2 is <b>between</b> 1 and 3
first next last	<b>first</b>  <b>next</b>  <b>last</b> 
over	 The frog jumps <b>over</b> the log.
under	 There is water <b>under</b> the bridge.

# COUNTING, SHAPE, AND MATH-FACT WORDS

<b>altogether</b>	<p>putting objects or numbers together in one group</p>  $3 + 2 = 5$	<b>ordinal number</b>	
<b>compare</b>	 <p>look at objects to learn how they are the same and different</p>	<b>pair</b>	 <p>a group of 2 things that go together</p>
<b>half</b>		<b>number line</b>	 <p>Use the <b>number line</b> to count.</p>
<b>how many</b>	<p>asks you to count to find the answer</p> <p><b>How many</b> legs does a spider have?</p>	<b>shapes</b>	 <p>circle rectangle square triangle diamond heart oval star</p>
<b>less than</b>	<p>smaller    1 is <b>less than</b> 6</p>	<b>skip counting</b>	<p>counting by 2s (2, 4, 6, 8...) or by 5s (5, 10, 15, 20...) or by 10s (10, 20, 30...)</p>
<b>more than</b>	<p>bigger or larger    5 is <b>more than</b> 2</p>	<b>take away</b>	<p>remove from a group</p>  $5 - 3 = 2$
<b>number and number word</b>	<p>10 = <b>number</b>    ten = <b>number word</b></p>	<b>tally</b>	 <p>use <b>tally</b> marks to count</p>

## TIME, MONEY, AND MEASUREMENT WORDS

**days of the week**

Sunday Monday Tuesday Wednesday Thursday Friday Saturday

**height**



how tall or short

**length**



how long or short

**money**



1¢ penny



5¢ nickel



10¢ dime



25¢ quarter

**months of the year**

January February March April May June July  
August September October November December

**size**



small



medium



large

**temperature**



how hot or cold

**time of day**

morning, afternoon, evening, night

**weight**



how heavy or light

# Color Matching

☀ Draw a line to match each color word with the correct picture.

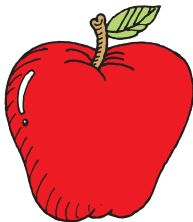


• red •

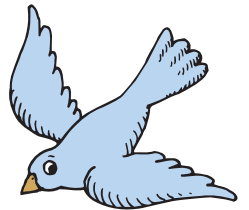


• blue •

• yellow •



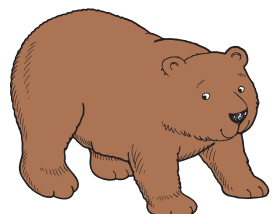
• green •



• orange •



• brown •



# Pigs



🌀 How many pigs do you count?



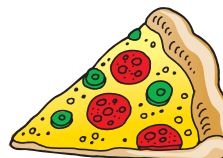
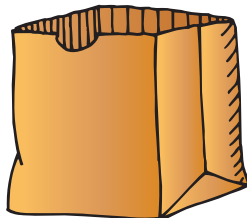
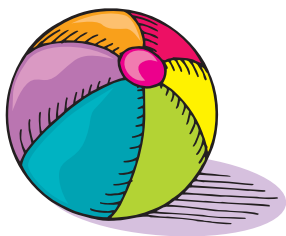
# MATH+ Fact Cards

## Tips for Using MATH+ Fact Cards

Before cutting the fact cards apart, consider laminating them in order to use them with a dry-erase marker. Laminating the cards also makes them more durable. Punching a hole in the upper left-hand corner of each card and storing the cards on a ring is also a good way to keep the cards organized and easy to use.




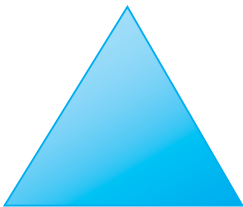






Here are some suggestions for using the fact cards:

- Use a timer to see how quickly each fact card is recognized. Begin with a small number of cards. Add more cards once your child achieves increased speed and confidence.
- Challenge your child to expand the fact card information. For example, ask your child to name two fruits that are red, or to give examples of other things that are tall, heavy, or closed.
- Have your child match the color words on page 108 to their corresponding colored shapes on page 109.
- Play a sorting game. Shuffle the number fact cards on pages 111 and 113 and have your child sort them into groups of even and odd numbers. Another option is to have your child sort the cards into groups of 1–10 and 11–20.
- Extend the concept of math-related opposites with your child. For example, have him or her provide the opposite for words such as *true*, *inside*, *top*, *before*, *together*, and *none* (*false*, *outside*, *bottom*, *after*, *apart*, *all*).
- Extend the concept of day and night with your child. Have him or her list (or draw) three things that typically happen during the day and three things that typically happen at night. For a more sophisticated alternate, have your child identify things that typically happen during the morning, the afternoon, the evening, and at night.
- Extend the concept of shapes with your child. Have your child look around your house for objects that are shaped like circles, squares, triangles, and rectangles.





# Shape and Pattern Fact Cards

# Shape and Pattern Fact Cards

circle

square

triangle

rectangle

diamond

heart

oval

star





# MATH IS FUN Award

Name \_\_\_\_\_

Signed \_\_\_\_\_

Date \_\_\_\_\_