



Teacher
Involve
Parents in
Schoolwork

Johns Hopkins University

Interactive Homework

TIPS Activities for the Elementary Grades

Over 300 prototype TIPS activities

LITERACY

Grades K-3

MATH

Grades K-5

SCIENCE

Grade 3 (Samples)

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TIPS – LITERACY

Grade K

- K #1 My Tool Box – Picture Clues
- K #2 I Am in Kindergarten! – Communication
- K #3 My Community—Drawing & Labeling
- K #4 Oh, The Places We Can Go! - Writing a List
- K #5 Rules Rule—Retelling & Communication
- K #6 This Is What Happened—Information Text & Comprehension
- K #7 Fall Fun—Information Text & Comprehension
- K #8 My Favorite Holiday – Environmental Words
- K #9 Letter Game—Beginning Sounds & Letter Sounds
- K #10 First, Second, Third—Draw in Sequence
- K #11 Go Fish—Letter Recognition
- K #12 Put the Alphabet in Order—Alphabetical Order
- K #13 What's Cooking? - "How To" Writings
- K #14 Get Moving! - Conversation
- K #15 We Love Rhyme Time—Rhyming Words
- K #16 All in the Word Family—Decoding Words in Print
- K #17 Brrr... Baby It's Cold Outside—Descriptive Sentence
- K #18 The Mouse and the Clock—Literary Text & Comprehension
- K #19 Feelings—Communication & Nonverbal Skills
- K #20 Beginning and End—Decode Grade Level Text
- K #21 In My World—Decoding Environmental Print
- K #22 Do You Want It or Need It? - Persuasive Writing
- K #23 Pack the Bags! - Communication
- K #24 All About Me—Autobiography

Grade 1

- 1 #1 Words and Pictures Go Together—Comprehension—Words & Pictures
- 1 #2 Word Groups—Develop Vocabulary
- 1 #3 Can You Hear Me? - Identifying Phonemes
- 1 #4 Sound It Out—Identifying Sounds in Spoken Words

- 1 #5 Good Partners—Conversations
- 1 #6 What a Character! Character Traits
- 1 #7 Express Yourself—Reading Fluency
- 1 #8 What's Your Story? - Using Pictures to Tell About Story Events
- 1 #9 Ship Shape Sounds—"sh" Diagraph
- 1 #10 Put an End to It—Inflectional Endings
- 1 #11 Silent "e" Follows a Rule 0 Silent E
- 1 #12 Compound Words—Compound Words
- 1 #13 Words Have Families—Word Families
- 1 #14 What's the Big Idea? - Main Idea
- 1 #15 1,2,3—Beginning, Middle, & End/Sequencing
- 1 #16 Put It All Together—Use a Bubble Map—Organizing Ideas
- 1 #17 Start and Finish—Sentence Conventions
- 1 #18 Upper Case Letters—Capitalization
- 1 #19 Picture My Story—Text Features
- 1 #20 Getting to Know You—Asking Questions
- 1 #21 How To Do It—Tell "how To"
- 1 #22 Make a Word Picture—Adjectives

Grade 2

- 2 #1 What Did You Say? - Different Styles of Communication
- 2 #2 What's Happening? - Making Inferences
- 2 #3 How Does This Sound? - Vowel Sounds & Syllables
- 2 #4 What is YOUR Point of View? - Different Perspectives
- 2 #5 Superhero or Good Idea? - Communication Skills
- 2 #6 Picture This—Importance of Illustrations
- 2 #7 HELP! - Character Traits
- 2 #8 Sum It Up in a Caption—Text Features—Captions
- 2 #9 Helping Hands—Sentence Structure
- 2 #10 Family Traditions—Writing about a Family Tradition
- 2 #11 Family Traditions—Reading Fluency
- 2 #12 Zoo Mix-Up—Syllables
- 2 #13 Guess the Invention—Context Clues
- 2 #14 Tricky Words—Irregular Sight Words
- 2 #15 Step by Step—Sequencing
- 2 #16 Use the Clues—Picture Clues
- 2 #17 Listen for Clues

- 2 #18 A Frog's Life Cycle—Sequential Order
- 2 #19 The Prefix Builder—Prefixes
- 2 #20 I'm in Hot Water! - Figurative Language
- 2 #21 A Pair of Pears—Homonyms

Grade 3

- 3 #1 In My Own Words—Paraphrasing
- 3 #2 Follow the Leader—Interact with Others
- 3 #3 Poems Rhyme or Not—Comparing Poems on the Same Topic
- 3 #4 Why do you want THAT? - Persuasive Writing
- 3 #5 Guess What? - Using Descriptive Words
- 3 #6 What Caused That? - Cause & Effect
- 3 #7 It Was a Good Day—Beginning, Middle, & End
- 3 #8 Total Recall—Point of View
- 3 #9 Contrasting Characters—Compare & Contrast Characters
- 3 #10 Using Antonyms and Synonyms—Antonyms & Synonyms
- 3 #11 Mystery Postcard – Drawing Conclusions
- 3 #12 What Happens Next? – Sequence
- 3 #13 What Do You Recommend? – Supporting An Opinion
- 3 #14 New Words from Old – Prefixes
- 3 #15 It All Adds Up – Summary Plan
- 3 #16 Speak a Summary – Summarizing a Story
- 3 #17 Spooky Adjectives – Adjectives
- 3 #18 Now Featuring... – Text Features
- 3 #19 Tell Me How to Do That – "How To" Writing
- 3 #20 What's the Big Idea – Main Ideas
- 3 #21 Come On, Comma! – Punctuation

TIPS – SCIENCE

Grade 3

- 3 #1 Living and Non-Living Things
- 3 #2 The Importance of Animals
- 3 #3 Animal Habitats
- 3 #4 The Importance of Plants
- 3 #5 Plant Growth – Let's Grow Together
- 3 #6 Three Forms of Matter
- 3 #7 Physical Changes –Solid-Liquid-Gas
- 3 #8 Rocks and Their Properties
- 3 #9 Weather Patterns

TIPS – MATH

Kindergarten

MK- #1 Small
MK- #2 Large
MK- #3 Big & Little
MK- #4 Long & Short
MK- #5 Same & Not the Same
MK- #6 Same & Different
MK- #7 Different & Same
MK- #8 Add to a Set
MK- #9 Holds More
MK- #10 Holds Less
MK- #11 Match Shapes
MK- #12 Circles
MK- #13 Rectangles
MK- #14 Triangles
MK- #15 Squares
MK- #16 More
MK- #17 Less
MK- #18 Same As
MK- #19 As Many As
MK- #20 Not Equal
MK- #21 Equal
MK- #22 Before
MK- #23 In Front Of
MK- #24 On
MK- #25 The Number Zero
MK- #26 The Number One
MK- #27 The Number Two
MK- #28 The Number Three
MK- #29 The Number Four
MK- #30 The Number Five
MK- #31 The Number Six
MK- #32 The Number Seven
MK- #33 The Number Eight
MK- #34 The Number Nine
MK- #35 The Number Ten
MK- #36 Empty Set
MK- #37 One
MK- #38 Two
MK- #39 Three
MK- #40 Four
MK- #41 Five

MK- #42 Six
MK- #43 Seven
MK- #44 Eight
MK- #45 Nine
MK- #46 Ten
MK- #47 What Comes Next?
MK- #48 Find a Pattern – 3 Shapes
MK- #49 Create a Pattern – 4 Shapes

Grade 1

M1-01 Find One (1)
M1-02 Find Two (2)
M1-03 Find Three (3)
M1-04 Find Four (4)
M1-05 Find Five (5)
M1-06 Find Six (6)
M1-07 Find Seven (7)
M1-08 Find Eight (8)
M1-09 Find Nine (9)
M1-10 Find Ten (10)
M1-11 Matching the Numeral to a Number
M1-12 Find the Missing Number
M1-13 Count from 1 to 100
M1-14 Read & Write Numbers
M1-15 First, Second, Third
M1-16 Adding Pictures
M1-17 Subtracting Pictures
M1-18 Add & Subtract
M1-19 More Than
M1-20 Less Than
M1-21 Math Pictures
M1-22 Check Addition with Subtraction
M1-23 Graphs
M1-24 10s and 1s
M1-25 How Many Tens and Ones?
M1-26 Add 2 Digit Numbers
M1-27 Subtract 2 Digit Numbers
M1-28 Count by Fives and Tens
M1-29 Telling Time
M1-30 Quarters, Dimes, Nickels, & Pennies
M1-31 Add up to 18
M1-32 Subtract up to 18
M1-33 Add and Subtract Some More
M1-34 Measure This

M1-35 Circles, Squares, Triangles, & Rectangles
M1-36 Fractions
M1-37 Solve a Problem

Grade 2

M2-01 Counting by 2s, 5s, and 10s
M2-02 Write Ones, Tens, and Hundreds
M2-03 How Many Tens, Ones, and Hundreds?
M2-04 Identify Equal Parts
M2-05 Match $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, & $\frac{1}{5}$ to Shaded Regions
M2-06 Match Fractions to Shaded Parts
M2-07 Add 2-Digit Numbers without Regrouping
M2-08 Addition Word Problems through 100
M2-09 Subtract 2-Digit Numbers without Regrouping
M2-10 Subtraction Word Problems through 100
M2-11 Subtract 3-Digit Numbers
M2-12 Addition with Regrouping
M2-13 More Addition with Regrouping
M2-14 Subtraction with Regrouping
M2-15 More Subtraction with Regrouping
M2-16 Create Addition Word Problems to 100
M2-17 Addition and Multiplication are Related!
M2-18 Multiplication Word Problems
M2-19 Divide Sets Equally
M2-20 Multiplication and Division are Related!
M2-21 Use a Graph
M2-22 Count Money
M2-23 Add and Subtract Money
M2-24 Use =, <, and >
M2-25 Number Order
M2-26 Tell Time to the Nearest 15 Minutes
M2-27 Tell Time to the Nearest 5 Minutes
M2-28 Time Word Problems
M2-29 Metric Measurement (Centimeters)

Grade 3

M3-01 Write 3-Digit Numbers
M3-02 Numbers in Expanded Forms
M3-03 Add Three Numbers
M3-04 Addition – Regrouping Ones to Tens
M3-05 Addition – Regrouping Tens to Hundreds
M3-06 Addition – Regrouping Ones to Tens and Tens to Hundreds
M3-07 Make Money

TIPS – MATH

Grade 3 (cont'd)

M3-08 Subtraction – Regrouping Tens for Ones
M3-09 Subtraction – Regrouping Hundreds for Tens
M3-10 Subtraction – Regrouping Thousands for Hundreds
M3-11 Add and Subtract (to 99)
M3-12 Short Word Problems with 3-Digit Numbers
M3-13 Subtraction – One Step Word Problems
M3-14 Word Problems – Add or Subtract with Regrouping
M3-15 Word Problems – More Addition or Subtraction
M3-16 Addition and Subtraction – Two Step Word Problems
M3-17 Inequalities
M3-18 Inequalities – Addition and Subtraction
M3-19 Round to the Nearest 10
M3-20 Round to the Nearest 100
M3-21 Round to the Nearest 10's and 100's
M3-22 Metric Measurement
M3-23 Multiply by 1-Digit Numbers
M3-24 Multiply Numbers to 9
M3-25 Find the Missing Factor
M3-26 Divide without Remainders
M3-27 More Division with Remainders
M3-28 Word Problems Involving Time
M3-29 Fractional Parts
M3-30 Words and Fractions
M3-31 Compare Fractions
M3-32 Order Fractions
M3-33 Bar Graphs
M3-34 Interpret Line Graphs
M3-35 Tally Charts
M3-36 Parallel and Perpendicular Lines
M3-37 Sides and Angles
M3-38 Diameter and Radius of a Circle
M3-39 Find the Perimeter of Shapes
M3-40 Addition, Multiplication, Subtraction, and Division Facts

Grade 4

M4-01 Change Words to Numbers
M4-02 Identify Place Value
M4-03 Compare Numbers Using $<$, $>$, or $=$
M4-04 Round to the Nearest Ten

M4-05 Round to the Nearest Hundred
M4-06 Round to the Nearest Thousand
M4-07 Add 4 Digits with Regrouping
M4-08 Subtract 4 Digits with Regrouping
M4-09 Multiply by 10, 100, 1000
M4-10 Multiply by 1 Digit with Regrouping
M4-11 Multiply by Tens, Hundreds, or Thousands
M4-12 Multiply by 2 Digits with Regrouping
M4-13 Divide 2 Digits by 1 Digit
M4-14 Divide 2 Digits by 1 Digit with a Remainder
M4-15 Divide 2 Digits by Multiples of Ten
M4-16 Add Fractions with Like Denominators
M4-17 Subtract Fractions with Like Denominators
M4-18 Change Improper Fractions to Mixed Numbers
M4-19 Change Mixed Numbers to Fractions
M4-20 Equal Fractions
M4-21 Add Unlike Fractions
M4-22 Subtract Unlike Fractions
M4-23 Compare Fractions Using $>$, $<$, or $=$
M4-24 Place Value
M4-25 Congruent Figures
M4-26 Lines, Line Segments, and Rays
M4-27 Intersecting, Parallel, and Perpendicular Lines
M4-28 Identify Angles—Hundred Millions
M4-29 Find the Perimeter of a Polygon
M4-30 Word Problems - Addition or Subtraction?
M4-31 Word Problems—Multiplication
M4-32 Word Problems—Addition, Subtraction, and Multiplication

Grade 5

M5-01 Add up to 4 Digits
M5-02 Add up to 4 Digits with Regrouping
M5-03 Addition Word Problems
M5-04 Subtract up to 4 Digits
M5-05 Subtract up to 4 Digits with Regrouping
M5-06 Subtraction Word Problems
M5-07 Addition and Subtraction Word Problems
M5-08 Multiplication Patterns
M5-09 Multiply up to 3 Digits by 1 Digit
M5-10 Short Form Multiplication
M5-11 More Short Form Multiplication
M5-12 Multiplication Word Problems

M5-13 Multiply up to 3 Digits by 2 Digits
M5-14 Divide Tens and Ones
M5-15 Division Word Problems
M5-16 Estimate Tens in the Quotient
M5-17 Division with Remainders
M5-18 Solve and Check Division Problems
M5-19 Divide Thousands, Hundreds, Tens, and Ones
M5-20 Use Division to Find the Fractional Part of a Set
M5-21 Add Like Fractions
M5-22 Subtract Unlike Fractions
M5-23 Add and Subtract Mixed Numerals
M5-24 Write Fractions in Lowest Terms
M5-25 Write Equivalent Fractions
M5-26 Compare Unlike Fractions
M5-27 Identify and Name Points, Lines, Line Segments, and Rays
M5-28 Acute, Right, and Obtuse Angles
M5-29 Read and Write Numerals
M5-30 Roman Numerals

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