

MATH

Grade

2

Table of Contents

UNIT 1

- 1 Counting
- 2 Counting
- 3 Place Value
- 4 Place Value
- 5 Number Words
- 6 Number Words
- 7 Expanded Form
- 8 Expanded Form
- 9 Rounding to the Nearest 10
- 10 Rounding to the Nearest 100
- 11 Ordering Numbers
- 12 Ordering Numbers
- 13 Take a Test Drive
- 14 Take a Test Drive

UNIT 2

- 15 Basic Addition
- 16 Basic Addition
- 17 Mental Math Addition
- 18 Mental Math Addition
- 19 Addition—No Regrouping
- 20 Addition—No Regrouping
- 21 Regrouping
- 22 Regrouping
- 23 Addition—Regrouping
- 24 Addition—Regrouping
- 25 Addition—Regrouping
- 26 Addition—Regrouping
- 27 Take a Test Drive
- 28 Take a Test Drive

UNIT 3

- 29 Basic Subtraction
- 30 Basic Subtraction
- 31 Mental Math Subtraction
- 32 Mental Math Subtraction
- 33 Subtraction—No Regrouping
- 34 Subtraction—No Regrouping
- 35 Regrouping
- 36 Regrouping
- 37 Subtraction—Regrouping
- 38 Subtraction—Regrouping
- 39 Subtraction—Regrouping
- 40 Subtraction—Regrouping
- 41 Fact Families
- 42 Check with Inverse Operations
- 43 Take a Test Drive
- 44 Take a Test Drive

UNIT 4

- 45 Skip Counting
- 46 Skip Counting
- 47 Multiplication
- 48 Multiplication
- 49 Multiply by 2
- 50 Multiply by 0, 1, or 2
- 51 Multiply by 5
- 52 Review
- 53 Multiply by 10
- 54 Review
- 55 Mental Math Multiplication
- 56 Mental Math Multiplication

Table of Contents

| | |
|----|--------------------------|
| 57 | Division |
| 58 | Division |
| 59 | Division—No Remainders |
| 60 | Division—No Remainders |
| 61 | Division—With Remainders |
| 62 | Division—With Remainders |
| 63 | Take a Test Drive |
| 64 | Take a Test Drive |

UNIT 5

| | |
|----|-------------------|
| 65 | Shapes |
| 66 | Shapes |
| 67 | Patterns |
| 68 | Patterns |
| 69 | Solid Shapes |
| 70 | Solid Shapes |
| 71 | Take a Test Drive |
| 72 | Take a Test Drive |

UNIT 6

| | |
|----|-------------------|
| 73 | Fractions |
| 74 | Fractions |
| 75 | Name Fractions |
| 76 | Name Fractions |
| 77 | Compare Fractions |
| 78 | Compare Fractions |
| 79 | Take a Test Drive |
| 80 | Take a Test Drive |

UNIT 7

| | |
|----|------------------------------|
| 81 | Clock Face |
| 82 | Time to the Quarter Hour |
| 83 | Time to the Minute |
| 84 | Duration |
| 85 | Counting Coins |
| 86 | Counting Coins |
| 87 | Adding and Subtracting Money |
| 88 | Adding and Subtracting Money |
| 89 | Take a Test Drive |
| 90 | Take a Test Drive |

UNIT 8

| | |
|-----|-------------------|
| 91 | Graphs |
| 92 | Graphs |
| 93 | Graphs |
| 94 | Graphs |
| 95 | Take a Test Drive |
| 96 | Take a Test Drive |
| 97 | Posttest |
| 98 | Posttest |
| 99 | Posttest |
| 100 | Posttest |

Tracking Sheet

Answer Key

ULTIMATE ADVANTAGE AWARD AND QUIZ CARDS

CREDITS

Concept Development: Kent Publishing Services, Inc.

Written by: Sara Jo Schwartz

Editor: Carla Hamaguchi

Designer/Production: Moonhee Pak/Carrie Carter

Illustrator: Darcy Tom

Art Director: Tom Cochrane

Project Director: Carolea Williams

Expanded edition. Originally published 2004 as *Advantage Math Grade 2*

© 2004, 2010 Creative Teaching Press Inc., Huntington Beach, CA 92649

Reproduction of activities in any manner for use in the classroom and not for commercial sale is permissible.

Reproduction of these materials for an entire school or for a school system is strictly prohibited.

Introduction

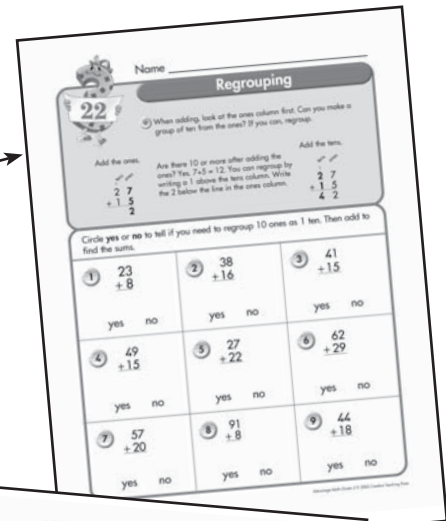
The Ultimate Advantage Math Series builds a solid foundation for math instruction with expertly written activities that lay the groundwork for successful mastery of essential math skills.

Take a look at all the ultimate advantages this math series offers!

Expert Skill Instruction

- **Teaching support** at the top of the activity page is provided in grades 1–3 as more complex math concepts are introduced. This helpful instruction provides children the support needed to understand and work through the activities independently.
- **Skill practice activities** feature math fluency practice in the key skills of each math strand recommended by the National Council for Teachers of Mathematics (NCTM), including:
 - numeration and number theory
 - operations
 - geometry
 - measurement
 - patterns, functions, and algebra
 - data analysis and probability
 - problem solving
- **Problem-solving activities** are woven between skill practice pages to provide practice using the critical thinking skills necessary for math.
- **A comprehensive answer key** makes checking answers quick and easy.

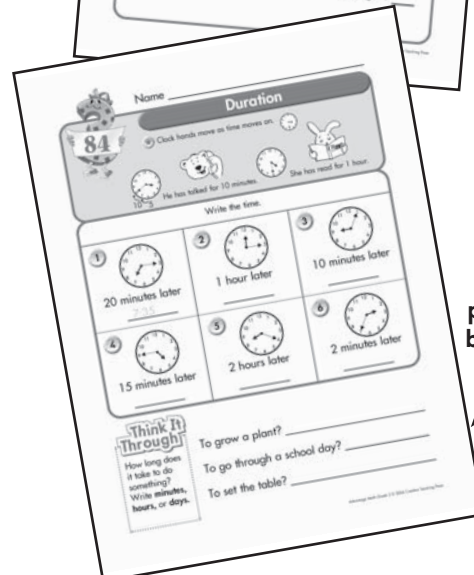
teaching
component



skill
practice



puzzles and
brainteasers



Introduction

Motivational Format

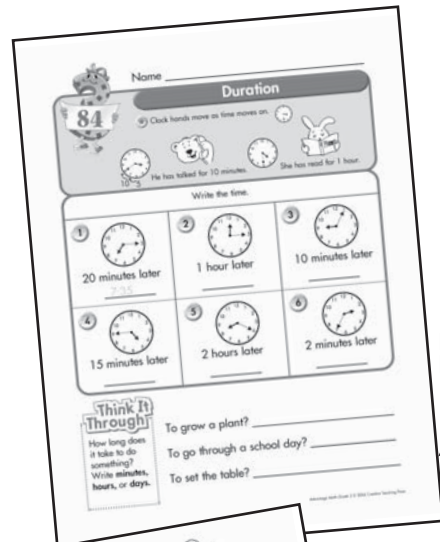
- **Enhanced features** like the *Get Ahead* problem-solving puzzles and *Think It Through* brainteasers stimulate children's interest while focusing on mental math skills and mastery of basic facts.
- **The Ultimate Advantage character mascot** adds a fun element to each activity page.
- **A tracking sheet** allows children to track their progress as they work their way from activity 1 to 100.
- **An award certificate** recognizes children's completed progress and rewards their achievement.

Built-In Assessment

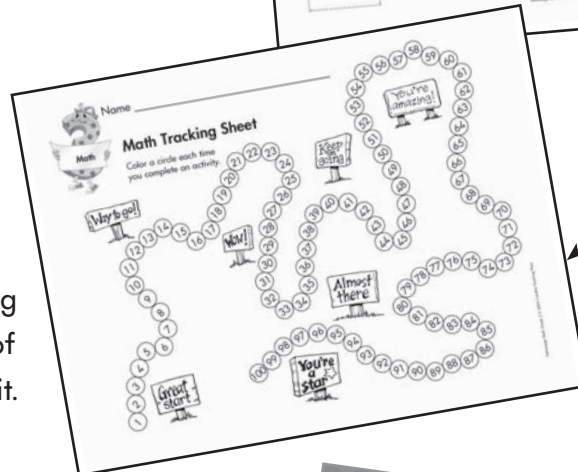
- **Put It All Together** activities in grades K–1 provide problem-solving challenges and mixed-skill review of the concepts highlighted in that unit.
- **Test preparation practice** modeled after national standardized and proficiency tests appears at the end of each unit on the *Take a Test Drive* pages and on the *Posttest* pages at the end of the workbook in grades 1–2. Using a test-taking format in practice settings such as these helps build children's test-taking confidence.

Ultimate Advantage Quiz Cards

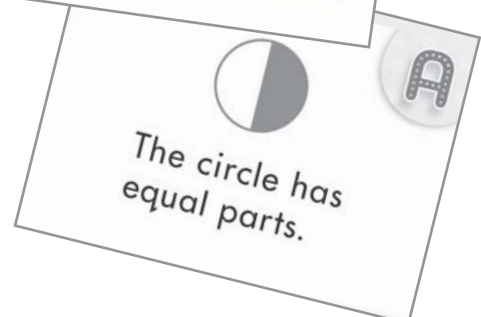
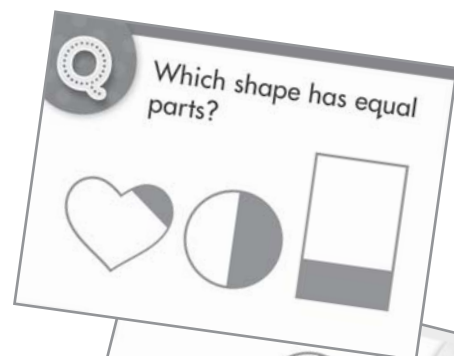
- **Engaging two-sided cards** with short, fun questions and answers extend the workbook's math instruction and reinforce learning.
- **Play options** accompany the quiz cards so they can be used independently or with a partner.



puzzles and
brainteasers



motivational way
to monitor progress





Name _____

Counting

Write the number that comes **after** the given numbers.

1 6, 7, 8, _____

2 13, 14, 15, _____

3 18, 19, 20, _____

4 44, 45, 46, _____

5 87, 88, 89, _____

6 69, 70, 71, _____

Write the number that comes **before** the given numbers.

7 _____, 28, 29, 30

8 _____, 71, 72, 73

9 _____, 50, 51, 52

10 _____, 12, 13, 14

11 _____, 59, 60, 61

12 _____, 97, 98, 99



Name _____

Counting

Write the number that comes **between** the given numbers.

1 19, _____, 21

2 74, _____, 76

3 89, _____, 91

4 40, _____, 42

5 68, _____, 70

6 98, _____, 100

Write the numbers that come **before** and **after** the given number.

7 _____, 48, _____

8 _____, 31, _____

9 _____, 55, _____

10 _____, 1, _____

11 _____, 27, _____

12 _____, 62, _____



Name _____

Addition—Regrouping

★ Sometimes you will need to regroup more than once. Remember to add in your regrouped numbers!

$$347 + 258 = 605$$

| hundreds | tens | ones |
|----------|------|------|
| 3 | 4 | 7 |
| + 2 | + 5 | + 8 |
| 6 | 0 | 5 |

Add. Regroup when needed.

1
$$\begin{array}{r} 843 \\ + 78 \\ \hline \end{array}$$

2
$$\begin{array}{r} 305 \\ + 125 \\ \hline \end{array}$$

3
$$\begin{array}{r} 459 \\ + 271 \\ \hline \end{array}$$

4
$$\begin{array}{r} 627 \\ + 191 \\ \hline \end{array}$$

5
$$\begin{array}{r} 462 \\ + 38 \\ \hline \end{array}$$

6
$$\begin{array}{r} 97 \\ + 438 \\ \hline \end{array}$$

7
$$\begin{array}{r} 327 \\ + 94 \\ \hline \end{array}$$

8
$$\begin{array}{r} 593 \\ + 248 \\ \hline \end{array}$$

9
$$\begin{array}{r} 276 \\ + 59 \\ \hline \end{array}$$

10
$$\begin{array}{r} 393 \\ + 48 \\ \hline \end{array}$$

11
$$\begin{array}{r} 316 \\ + 99 \\ \hline \end{array}$$

12
$$\begin{array}{r} 173 \\ + 67 \\ \hline \end{array}$$

- 13 308 students from Polk School went on a field trip with 293 students from Ford School. How many students went on the field trip? _____



Name _____

Take a Test Drive

Fill in the bubble beside the correct answer.

1

$$\begin{array}{r} 6 \\ +7 \\ \hline \end{array}$$

- ☐ 12
☐ 13
☐ 23

2

$$8+7=$$

- ☐ 13
☐ 15
☐ 19

3

$$11+9=$$

- ☐ 20
☐ 19
☐ 21

4

$$\begin{array}{r} 14 \\ +6 \\ \hline \end{array}$$

- ☐ 16
☐ 20
☐ 22

5

$$9+9=$$

- ☐ 0
☐ 12
☐ 18

6

$$\begin{array}{r} 34 \\ +14 \\ \hline \end{array}$$

- ☐ 48
☐ 28
☐ 49

7

$$63+26=$$

- ☐ 86
☐ 89
☐ 99

8

$$\begin{array}{r} 80 \\ +19 \\ \hline \end{array}$$

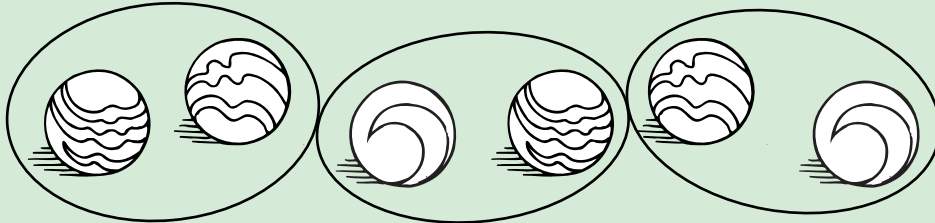
- ☐ 89
☐ 91
☐ 99



Name _____

Division

★ Division helps us organize and group things.

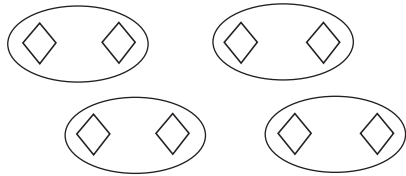


$$6 \div 2 = 3$$

When you divide 6 marbles into groups of 2 you will have 3 groups.

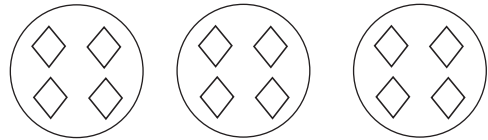
Complete each problem.

1



$$8 \div \underline{\quad} = \underline{\quad} \text{ groups}$$

2



$$12 \div \underline{\quad} = \underline{\quad} \text{ groups}$$

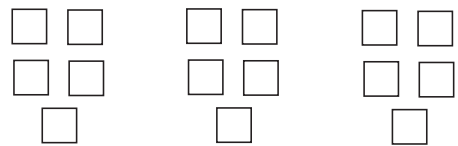
Complete the pictures and problems.

3



$$5 \div 1 = \underline{\quad}$$

4



$$15 \div \underline{\quad} = \underline{\quad}$$

5



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

6

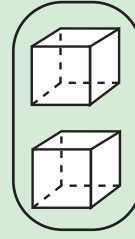
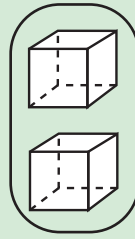
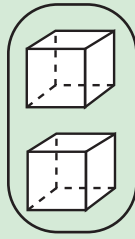
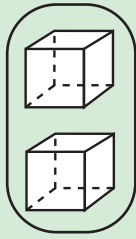


$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$



Name _____

Division



This number tells
how many cubes
in all.

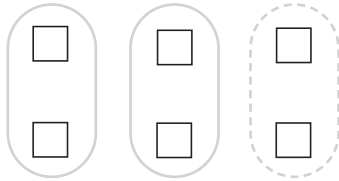
$$8 \div 2 = 4$$

This number tells how many
cubes there are in each group.

This number tells
how many groups.

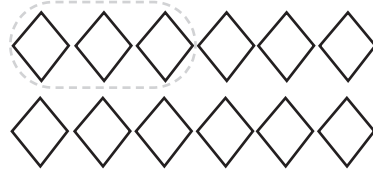
Draw circles to group things. Then complete the matching division problem.

1



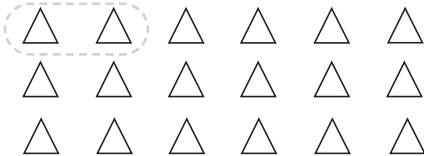
$$6 \div 2 = \underline{3}$$

2



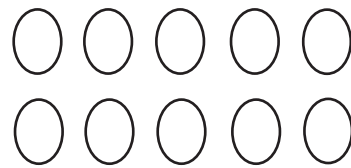
$$12 \div 3 = \underline{\quad}$$

3



$$18 \div 2 = \underline{\quad}$$

4



$$10 \div 5 = \underline{\quad}$$

Draw a picture to solve the problem.

5

There are 10 students in the dance class. They are put into groups of 2. How many groups are there?



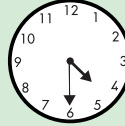
Name _____

Duration

★ Clock hands move as time moves on.



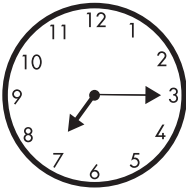
He has talked for 10 minutes.



She has read for 1 hour.

Write the time.

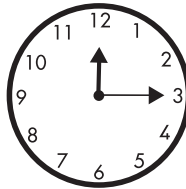
1



20 minutes later

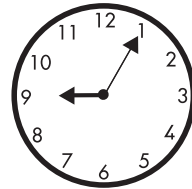
7:35

2



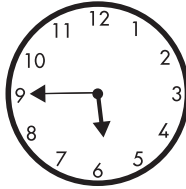
1 hour later

3



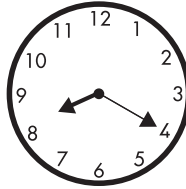
10 minutes later

4



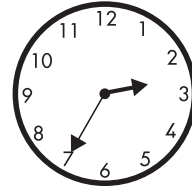
15 minutes later

5



2 hours later

6



2 minutes later

Think It Through

How long does it take to do something?

Write **minutes**, **hours**, or **days**.

To grow a plant? _____

To go through a school day? _____

To set the table? _____



Name _____

Counting Coins



1 penny =
1¢ or \$0.01
count by 1



1 nickel =
5¢ or \$0.05
count by 5



1 dime =
10¢ or \$0.10
count by 10



1 quarter =
25¢ or \$0.25

Write the amount of money.

1



5

10

15

= _____ ¢

2



= _____ ¢

3



= _____ ¢

4



= _____ ¢

5

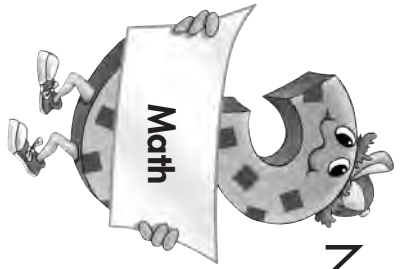


= _____ ¢

6



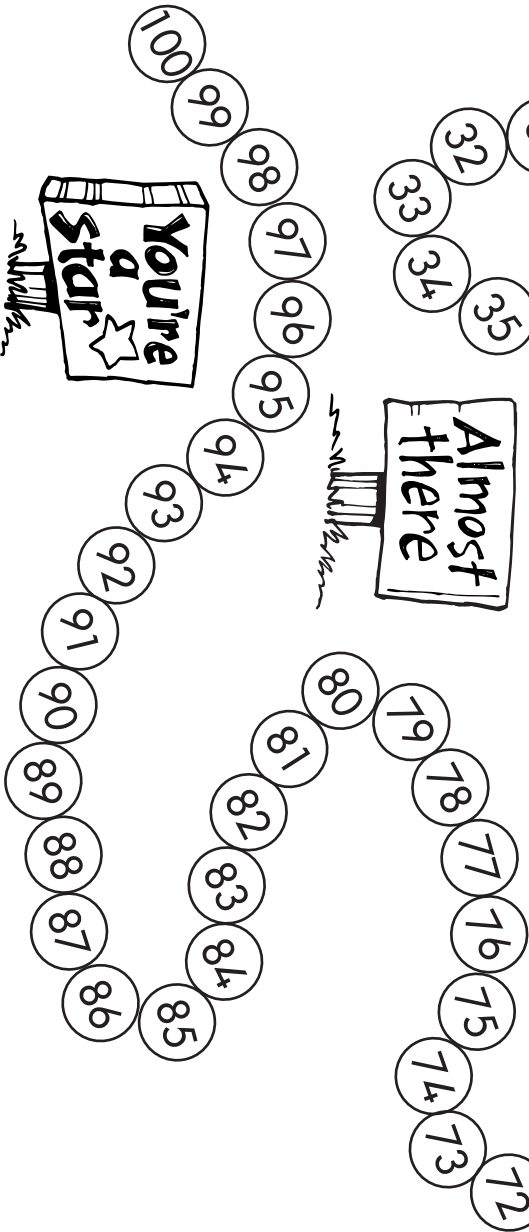
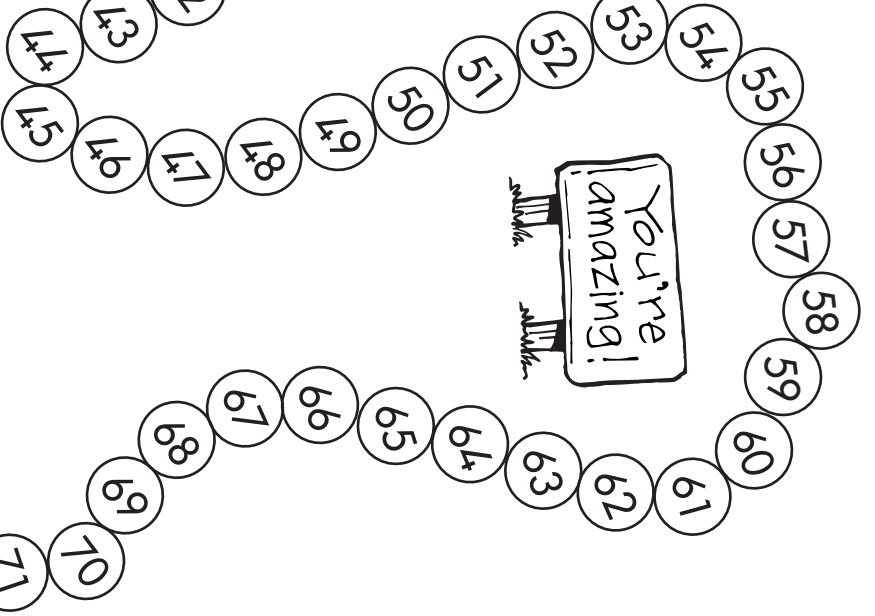
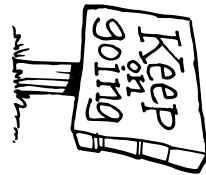
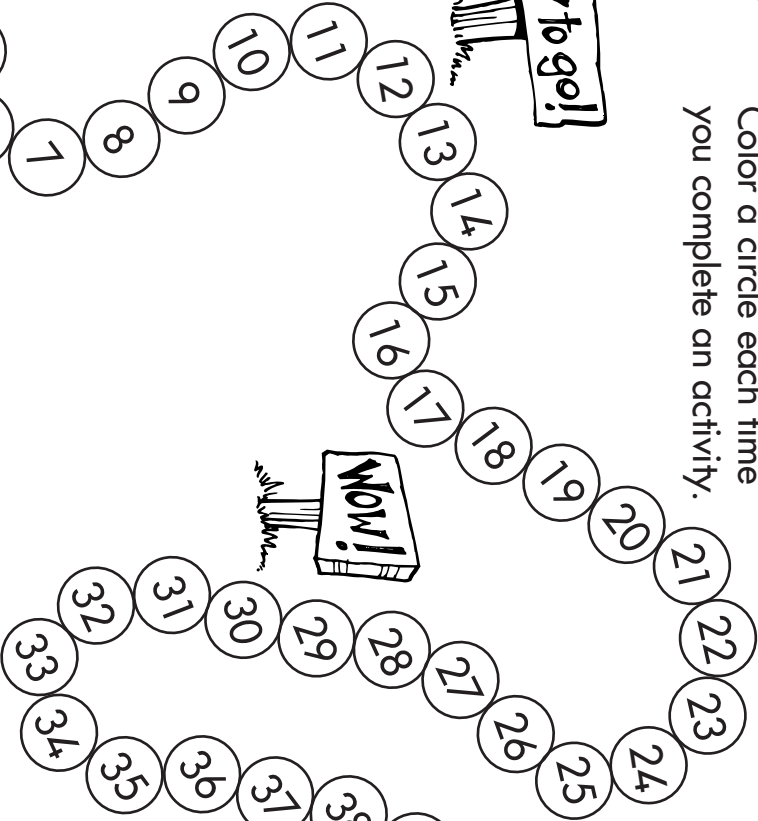
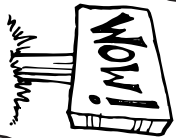
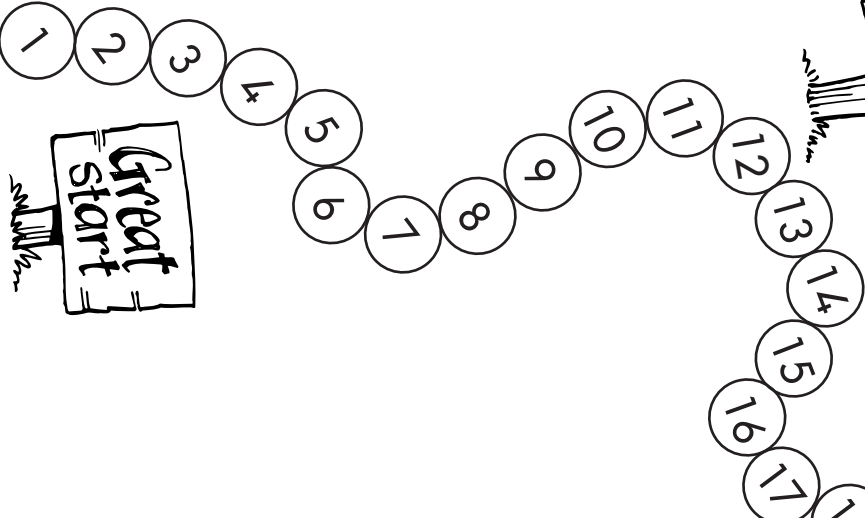
= _____ ¢



Name _____

Math Tracking Sheet

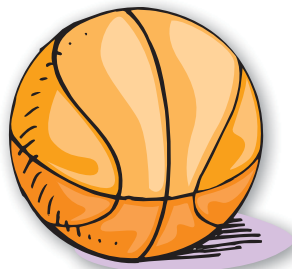
Color a circle each time you complete an activity.



ULTIMATE ADVANTAGE MATH

Quiz Cards

Tear apart the Ultimate Advantage Quiz Cards on the following pages to test your math knowledge! Quiz yourself or a friend.



Q

Round the number to the nearest 10.

A 63 ____

Round the number to the nearest 100.

B 156 ____

Q

Add and regroup to find the sum.

A
$$\begin{array}{r} 15 \\ + 6 \\ \hline \end{array}$$

B
$$\begin{array}{r} 11 \\ + 9 \\ \hline \end{array}$$

Q

What are these numbers?

A Three hundred forty-seven ____

B Seven hundred ninety ____

Q

How many ones, tens, and hundreds are in each number?

A 228 = ____ hundreds + ____ tens + ____ ones

B 567 = ____ hundreds + ____ tens + ____ ones

Q

Add to find the sum.

A
$$\begin{array}{r} 60 \\ + 9 \\ \hline \end{array}$$

B
$$\begin{array}{r} 72 \\ + 27 \\ \hline \end{array}$$

Q

What are the missing numbers?

A 18 ____ 20 21 ____

B 62 63 ____ 66

C ____ 35 36 ____ 38

Q

Use <, >, or =.



B 97 ____ 86

Q

Yes or no? Do you have to regroup to find these sums?

A
$$\begin{array}{r} 17 \\ + 18 \\ \hline \end{array}$$

B
$$\begin{array}{r} 24 \\ + 26 \\ \hline \end{array}$$

B $17 - 12 = 5$ _____

A $4 + 5 = 9$ _____

Q

What are the missing fact families?