



Spooky Base Ten Math

Halloween Place Value to 1,200
for 2nd Grade

Math
is
Magical!

Numbers
are spook-tacular!



Base Ten Models



Standard Form



Expanded Form



Word Form



Compose & Decompose



Compare Numbers



Addition & Subtraction

You
can do this!

Printable Worksheets • Answer Key Included



Math
is
Magical!

Read the Spooky Base Ten Models

Hundreds • tens • ones to 1,000

Each large square is 100. Each stick is 10. Each dot is 1. Count and write the number.

MODEL 1



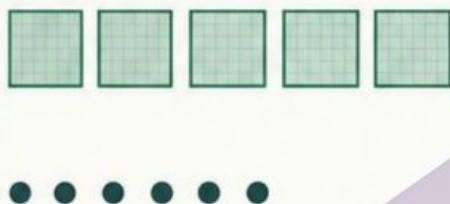
Standard form: _____

Expanded form: _____

Word form: _____



MODEL 2



Standard form: _____

Expanded form: _____

Word form: _____



MODEL 3



Standard form: _____

Expanded form: _____

Word form: _____



MODEL 4



Standard form: _____

Expanded form: _____

Word form: _____



Name: _____ Date: _____

You
can do this!



Numbers
are
Magical!

Haunted House Place Value

Read each spooky clue

Solve each clue and write the number.

1.



The ghost number has
4 hundreds, 5 tens, and 2 ones.

Answer: _____

2.



The pumpkin number is
 $700 + 30 + 8$.

Answer: _____

3.



The bat number has
9 hundreds and 6 ones.

Answer: _____

4.



The witch number is
six hundred fourteen.

Answer: _____

5.



The spider number has
2 hundreds, 8 tens, and 1 one.

Answer: _____

6.



The candy corn number is
 $500 + 40 + 9$.

Answer: _____

Small
Numbers
Do Big Things!

Name: _____ Date: _____

You
can do this!





Math
is
Magical!

Read the Spooky Base Ten Models

Thousands • hundreds • tens • ones to 1,200

Each cube is 1,000. Each square is 100. Each stick is 10. Each dot is 1. Count and write the number.

MODEL 1



Standard form: _____

Expanded form: _____

Word form: _____



MODEL 2



Standard form: _____

Expanded form: _____

Word form: _____



MODEL 3



Standard form: _____

Expanded form: _____

Word form: _____



MODEL 4



Standard form: _____

Expanded form: _____

Word form: _____



Name: _____ Date: _____

You
can do this!



Math
is
Magical!

Add & Subtract to 1,200

You
can do this!

Use place value to help you

1. $1,024 + 103 =$ _____

Thousands	Hundreds	Tens	Ones
1	0	2	4
0	1	0	3

2. $845 + 210 =$ _____

Thousands	Hundreds	Tens	Ones
0	8	4	5
0	2	1	0

3. $690 + 412 =$ _____

Thousands	Hundreds	Tens	Ones
0	6	9	0
0	4	1	2

4. $1,120 - 100 =$ _____

Thousands	Hundreds	Tens	Ones
1	1	2	0
0	1	0	0

5. $1,054 - 32 =$ _____

Thousands	Hundreds	Tens	Ones
1	0	5	4
0	0	3	2

6. $1,200 - 185 =$ _____

Thousands	Hundreds	Tens	Ones
1	2	0	0
0	1	8	5

Name: _____ Date: _____

Spooky
Math Skills!



Numbers
are
Magical!

Spooky Number Challenge

Numbers through 1,200

Solve each spooky challenge.

1.



Show 1,142 two more ways.

1,142 = _____ hundreds + 4 tens + 2 ones

1,142 = _____ tens + 2 ones

2.



Show 1,065 another way. Use hundreds, tens and ones.

1,065 = 1 thousand + 0 hundreds + 6 tens + 5 ones

1,065 = _____ hundreds + _____ tens + _____ ones

3.



Use place value to make a new number.

100 less than 1,150 is _____.

10 more than 1,150 is _____.

4.



Write a number up to 1,200 that is...

greater than 1,089: _____

less than 1,089: _____

5.



Order from least to greatest: 1,120 1,012 1,102

_____ < _____ < _____

6.



Order from greatest to least: 1,099 1,190 1,109 1,019

_____ > _____ > _____ > _____

The greatest number is _____. The least is _____.

Small
Numbers
Do Big Things!

Name: _____ Date: _____

You
can do this!

Teacher Guide

Grade 2 | Core practice to 1,000 + extension to 1,200

What's included (30 pages)

Cover (p. 1) | Core student pages 1-12, numbers to 1,000 (PDF pp. 2-13) | Extension student pages 13-20, numbers to 1,200 (PDF pp. 14-21), ending with the Spooky Number Challenge | Teacher Guide and Teacher Notes (pp. 22-23) | Answer Key for student pages 1-12 (pp. 24-26) | Extension Answer Key for student pages 13-20 (pp. 27-28) | Stay Connected (p. 29) | Terms of Use (p. 30).

Student pages

Core, to 1,000: 1 Read the Spooky Base Ten Models | 2 Build a Number | 3 Write the Number Forms | 4 Compose the Number | 5 Decompose the Number | 6 Haunted House Place Value | 7 Compare the Numbers | 8 Add Using Place Value | 9 Subtract Using Place Value | 10 Halloween Word Problems | 11 Leafy Place Value Cut-Outs | 12 Pumpkin & Leaf Math Thinking Cut-Outs

Extension, 1,000 to 1,200: 13 Read the Spooky Base Ten Models | 14 Build a Number | 15 Write the Number Forms | 16 Compose & Decompose | 17 Compare the Numbers | 18 Add & Subtract to 1,200 | 19 Leafy Place Value Cut-Outs | 20 Spooky Number Challenge

Learning objectives

Students model and write numbers to 1,200 in standard, expanded, and word form; compose and decompose thousands, hundreds, tens, and ones; show the same number in more than one way (e.g., $1,142 = 11 \text{ hundreds} + 4 \text{ tens} + 2 \text{ ones}$); make a number greater or less than a given number; compare and order numbers with $<$, $>$, and $=$; and use place value to add and subtract.

Suggested sequence

Start with core pages 1-12 (numbers to 1,000). Introduce the thousand cube and show that 10 hundreds = 1 thousand. Move to extension pages 13-19 as students become ready, then finish with the Spooky Number Challenge (page 20). Use the leaf and pumpkin cut-outs (student pages 11, 12 and 19) to discuss learning.

Materials

Pencils, crayons, scissors, glue; optional base-ten blocks, including a thousand cube. Print on letter paper at 100% (actual size).

Differentiation

Model the first example and provide manipulatives or labeled place-value charts. Invite students to explain their models to partners. Assign extension pages based on readiness and your local curriculum.



Answer Key

Student pages 1-4 | Suggested responses

1. Read the Spooky Base Ten Models

Model 1: $243 = 200 + 40 + 3$ = two hundred forty-three.

Model 2: $506 = 500 + 6$ = five hundred six.

Model 3: $360 = 300 + 60$ = three hundred sixty.

Model 4: $812 = 800 + 10 + 2$ = eight hundred twelve.

2. Build a Number

324: 3 hundreds, 2 tens, 4 ones. 670: 6 hundreds, 7 tens, 0 ones.

908: 9 hundreds, 0 tens, 8 ones. 451: 4 hundreds, 5 tens, 1 one.

Students may show squares/sticks/dots or labeled base-ten blocks.

3. Write the Number Forms

562: $500 + 60 + 2$; five hundred sixty-two.

130: $100 + 30$; one hundred thirty.

845: $800 + 40 + 5$; eight hundred forty-five.

206: $200 + 6$; two hundred six.

471: $400 + 70 + 1$; four hundred seventy-one.

999: $900 + 90 + 9$; nine hundred ninety-nine.

4. Compose the Number

1) 364 2) 809 3) 527 4) 983 5) 240 6) 701.

