PLACE VALUE MATS

Work Mats - Practice - Grades 1-3

Bright Path Sped

32 PAGES





My name _____

Build a number on the mat. Write it.

Place Value Mat: 3 Digits

Hundreds	Tens	Ones
100	10	1

How many in each place?

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- The name line, every digit box, every answer box and the writing lines are type-in fields. The block drawing boxes are for a pencil.
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Print at 100 percent

Turn off fit to page and shrink to fit so the columns and answer boxes stay big enough for small hands. Every page prints in color or in black and white. In black and white every column keeps its place name and its value, so a child can still tell the tens from the hundreds. For a mat you will use again, print it on cardstock and laminate it.

Student work

A filled-in tracker carries a student's name. Keep it in the data folder, and use a first name only on any page that leaves your hands.

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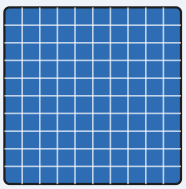
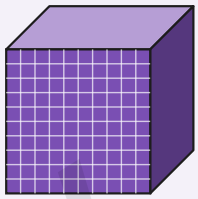
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PREVIEW

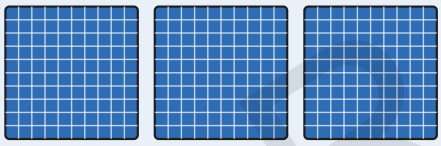
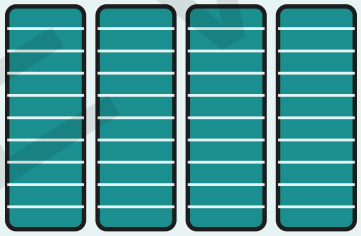
My name _____

Read the example. Then try one.

Place Value Mat: Meet the Blocks

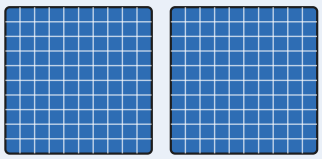
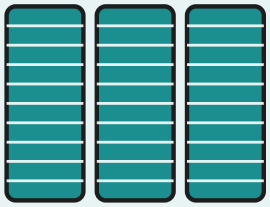
			
one cube	ten rod	hundred flat	thousand cube
worth 1	worth 10	worth 100	worth 1,000

Example: 3 flats, 4 rods, 2 cubes

Hundreds	Tens	Ones
100	10	1
		

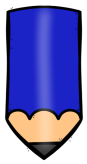
300 + 40 + 2 = **342**

Now you. Count the blocks. Write the digits.

Hundreds	Tens	Ones	My number
100	10	1	
			

PREVIEW

My name _____



Build a number on the mat. Write it.

Place Value Mat: 2 Digits

 Tens	 Ones
10	1

How many in each place?

Write it

[ ] + [ ] = [ ]

Write it in words

_____

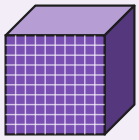
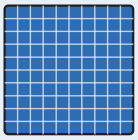
_____

PREVIEW

My name _____

Build a number on the mat. Write it.

Place Value Mat: 4 Digits

 Thousands	 Hundreds	 Tens	 Ones
1,000	100	10	1

How many in each place?

Write it

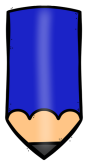
	+		+		+		=	

Write it in words

PREVIEW

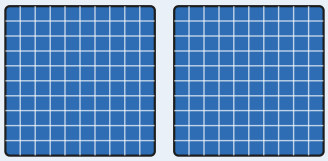
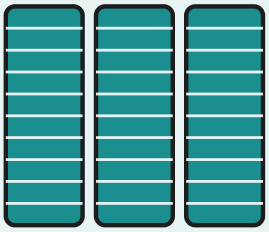
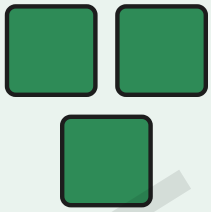
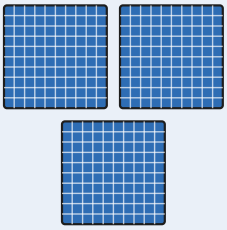
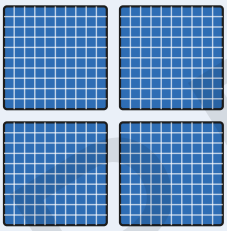
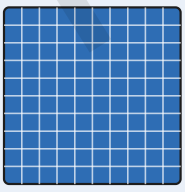
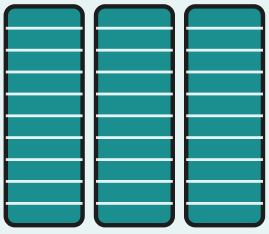
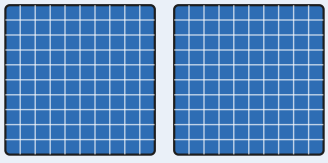
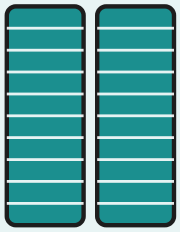
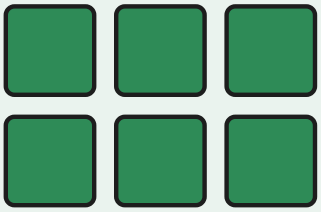
Preview · Bright Path Sped

My name _____



Count the blocks. Write the number.

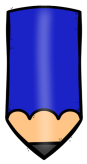
Place Value Mat: Count the Blocks

Hundreds	Tens	Ones	Write the number
100	10	1	
			
			
			
			
			

PREVIEW

Preview · Bright Path Sped

My name _____



Draw the blocks for each number.

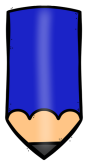
Place Value Mat: Draw the Blocks

Number	Tens	Ones
	10	1
26		
41		
30		
58		
73		

Draw a rod as a tall stick. Draw a flat as a square. Draw a cube as a dot or small box.

PREVIEW

My name _____



Write each number in the mat.

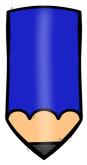
Place Value Mat: Write the Number

Number	Tens	Ones
	10	1
38		
74		
20		
91		
45		
56		

Write a 0 if a digit is zero

PREVIEW

My name _____



Write the parts of each number.

Place Value Mat: Expanded Form

1 **342**

= ☐ + ☐ + ☐

2 **715**

= ☐ + ☐ + ☐

3 **208**

= ☐ + ☐

4 **560**

= ☐ + ☐

5 **431**

= ☐ + ☐ + ☐

6 **906**

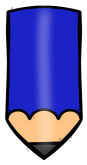
= ☐ + ☐

Skip any digit that is 0. Add the parts to get the number.

PREVIEW

Preview · Bright Path Sped

My name _____



Write each number in words.

Place Value Mat: Word Form

1 **243**

2 **508**

3 **360**

4 **715**

5 **124**

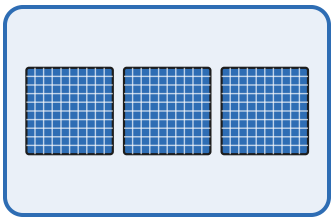
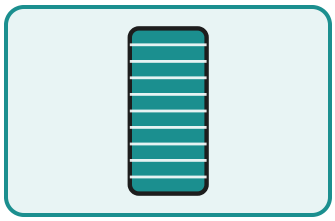
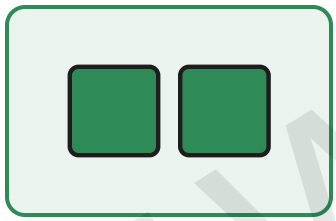
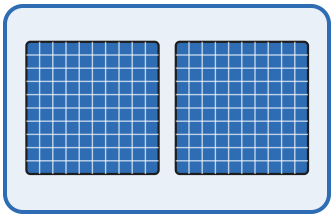
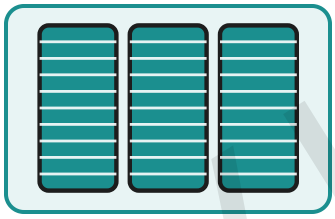
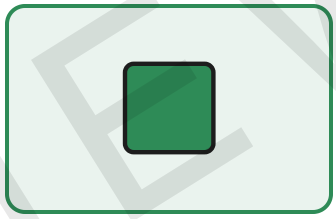
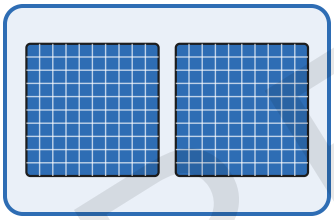
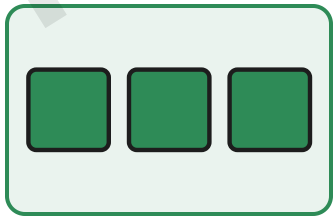
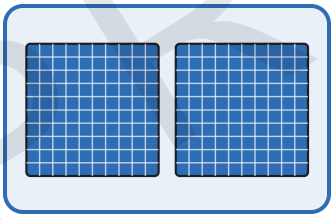
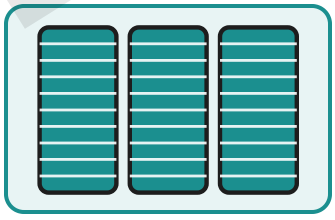
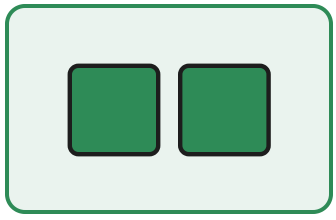
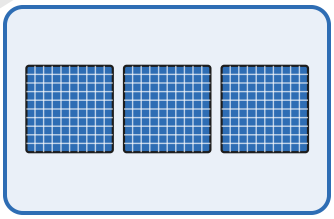
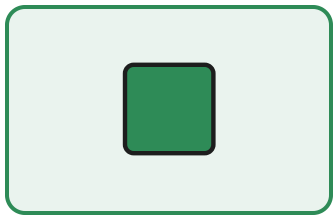
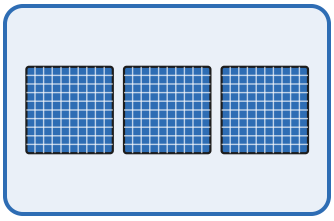
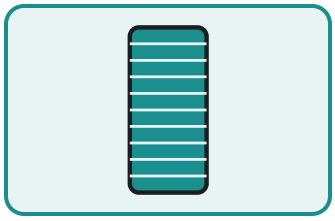
PREVIEW

Preview · Bright Path Sped

My name _____

Compare the two numbers.

Place Value Mat: Compare

	Hundreds	Tens	Ones	Compare
	100	10	1	
312				
231				
223				
232				
301				
310				

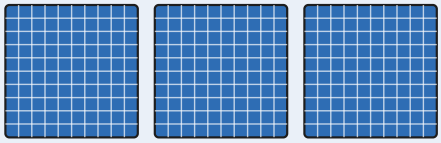
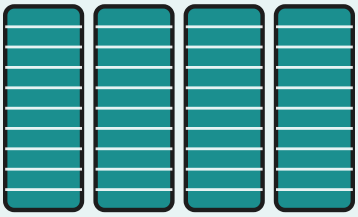
Start with the flats. More flats is greater. If the flats match, count the rods.

PREVIEW

My name _____

Use these words to talk about place value.

Place Value Mat: Words

Hundreds	Tens	Ones
100	10	1
		

Say it: **three hundred forty-six**

Words to use

digit	place	value	ones
tens	hundreds	thousands	standard form
expanded form	word form	greater than	less than

Fill in the sentences about 346

The digit _____ is in the _____ place.

The value of the _____ is _____ .

_____ is greater than _____ because _____ .

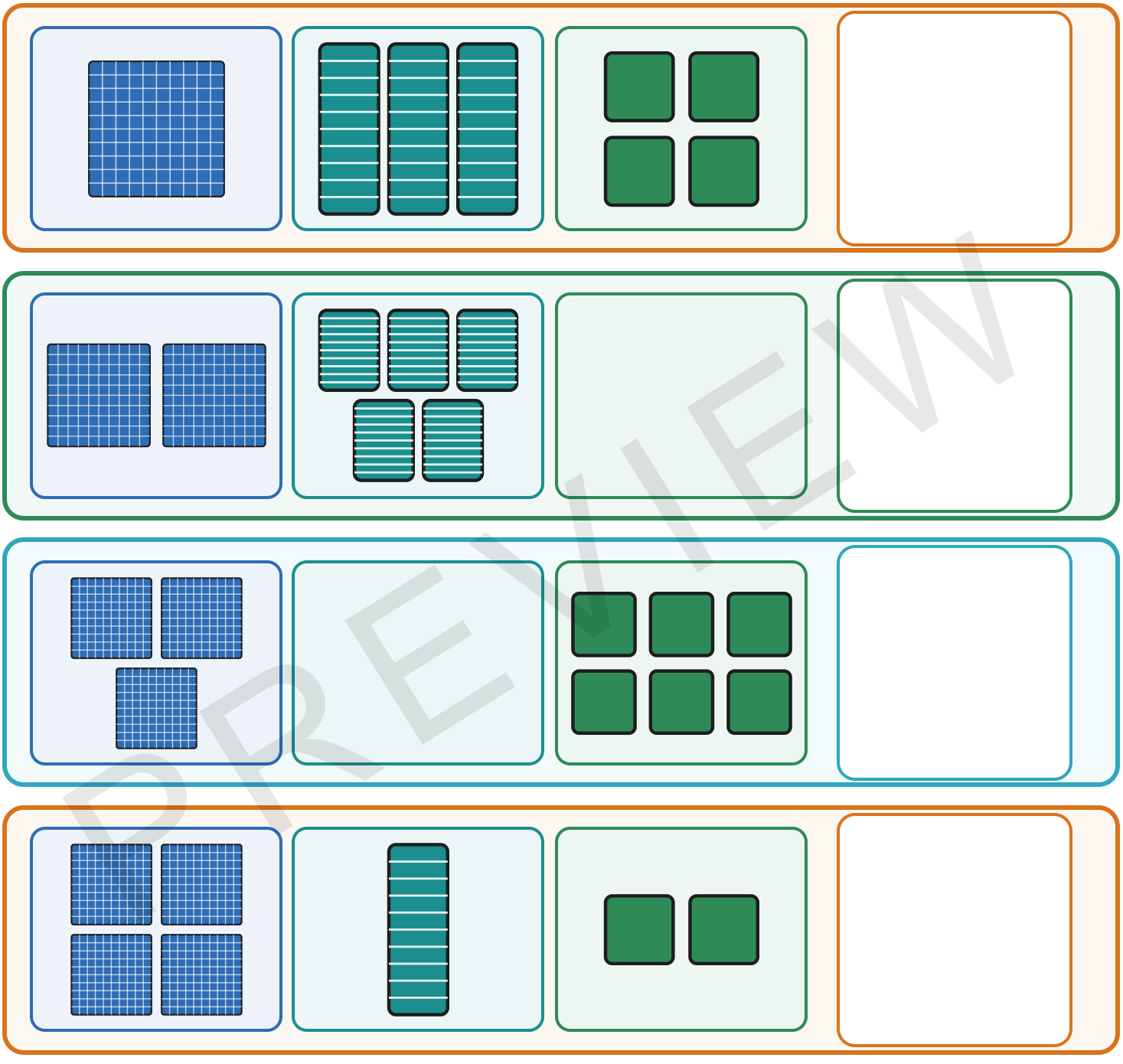
_____ hundreds + _____ tens + _____ ones = _____

PREVIEW

Preview · Bright Path Sped

My name _____

Cut. Glue each number by its blocks.



134	306	412	26	250

PREVIEW

Answer Key 1

Each answer is for the problem number on its page. On a write-in-the-mat sheet, a line between digits splits them by place.

Page 8: Count the Blocks: 2 Digits

1) 34 2) 52 3) 20 4) 45 5) 31

6) 15

Page 9: Count the Blocks: 3 Digits

1) 233 2) 315 3) 402 4) 130

5) 226

Page 10: Count the Blocks: 4 Digits

1) 1,321 2) 2,104 3) 3,020 4) 1,222

5) 2,412

Page 11: Draw the Blocks: 2 Digits

1) 26: 2 rods, 6 cubes

2) 41: 4 rods, 1 cube

3) 30: 3 rods, 0 cubes

4) 58: 5 rods, 8 cubes

5) 73: 7 rods, 3 cubes

Page 12: Draw the Blocks: 3 Digits

1) 214: 2 flats, 1 rod, 4 cubes

2) 305: 3 flats, 0 rods, 5 cubes

3) 132: 1 flat, 3 rods, 2 cubes

4) 240: 2 flats, 4 rods, 0 cubes

Page 13: Write in the Mat: 2 Digits

1) 3 | 8 2) 7 | 4 3) 2 | 0 4) 9 | 1

5) 4 | 5 6) 5 | 6

Page 14: Write in the Mat: 3 Digits

1) 3 | 5 | 2 2) 4 | 0 | 7 3) 8 | 6 | 0

4) 2 | 1 | 9 5) 5 | 3 | 0 6) 1 | 4 | 5

The pages with no key

The mats (pages 5-7), the blocks page (4) and the words page (22) use numbers your students choose or sentences they write, so there is no single answer. Check a mat with three looks: every digit sits in its own column, the blocks match the digits, and the number reads back the way it was said.

Checking a drawing

On pages 11 and 12, count the blocks in each column and match them to the digit. A rod can be a tall stick, a flat can be a square and a cube can be a dot. Neat drawings are not the goal; the right number in each column is.

PREVIEW

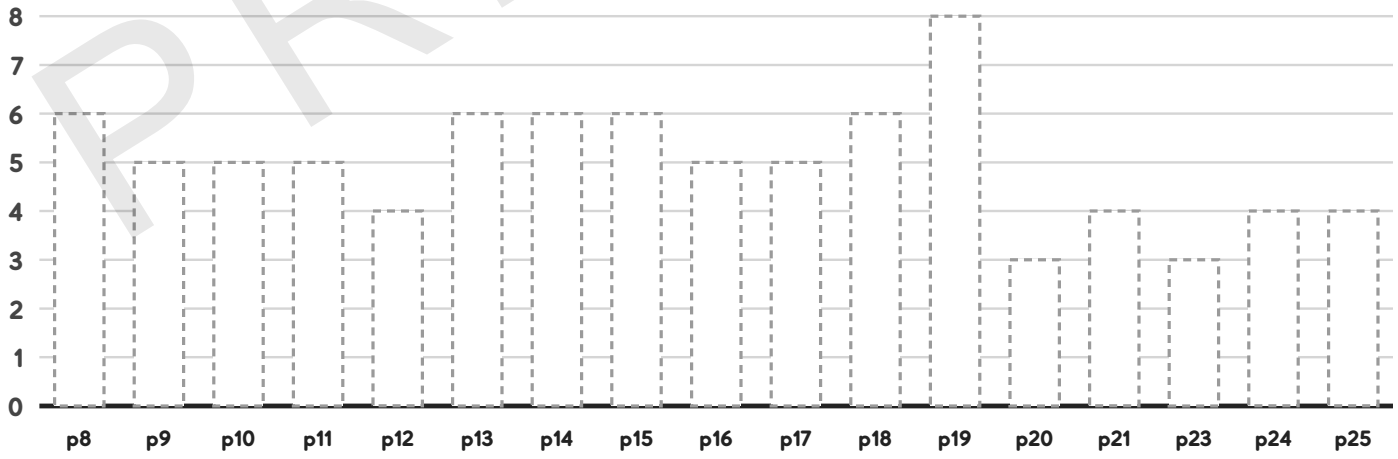
Tracker and Roll-Up

Write the date and how many were right. Then color the column for that sheet. A blank row means not done yet, never wrong.

Student _____ Teacher _____ School year _____

Page	Sheet	Date	Right	Out of	Notes
8	Count the Blocks: 2 Digits			6	
9	Count the Blocks: 3 Digits			5	
10	Count the Blocks: 4 Digits			5	
11	Draw the Blocks: 2 Digits			5	
12	Draw the Blocks: 3 Digits			4	
13	Write in the Mat: 2 Digits			6	
14	Write in the Mat: 3 Digits			6	
15	Expanded Form: 3 Digits			6	
16	Expanded Form: 4 Digits			5	
17	Number to Words			5	
18	Words to Number			6	
19	Value of the Underlined Digit			8	
20	Compare with Blocks			3	
21	Put in Order			4	
23	Cut and Paste: 2 Digits			3	
24	Cut and Paste: 3 Digits			4	
25	Cut and Paste: Number Words			4	

Roll-up: color one column for each sheet, up to the number right. The dashed box is the most it can be.



Notes for the team

PREVIEW

Preview · Bright Path Sped

Place Value at Home

Send this page home with a child, or hand it to a family at a conference.

Student _____ Week of _____

How to help at home, in three steps

- Collect small things at home: dried beans, pasta, buttons or paper clips. Put single ones in the ones column.
- Count out ten of them into a cup or a small bag, and put the cup in the tens column. Do it again for each ten.
- Count the cups and the singles. Write the number, and read it out loud together.

Our family mat

Hundreds	Tens	Ones
100	10	1

Try saying

- "How many tens do you have? How many ones? What number is that?"
- "What happens to the number if we add one more cup?"

Note from the teacher

Note from home

PREVIEW