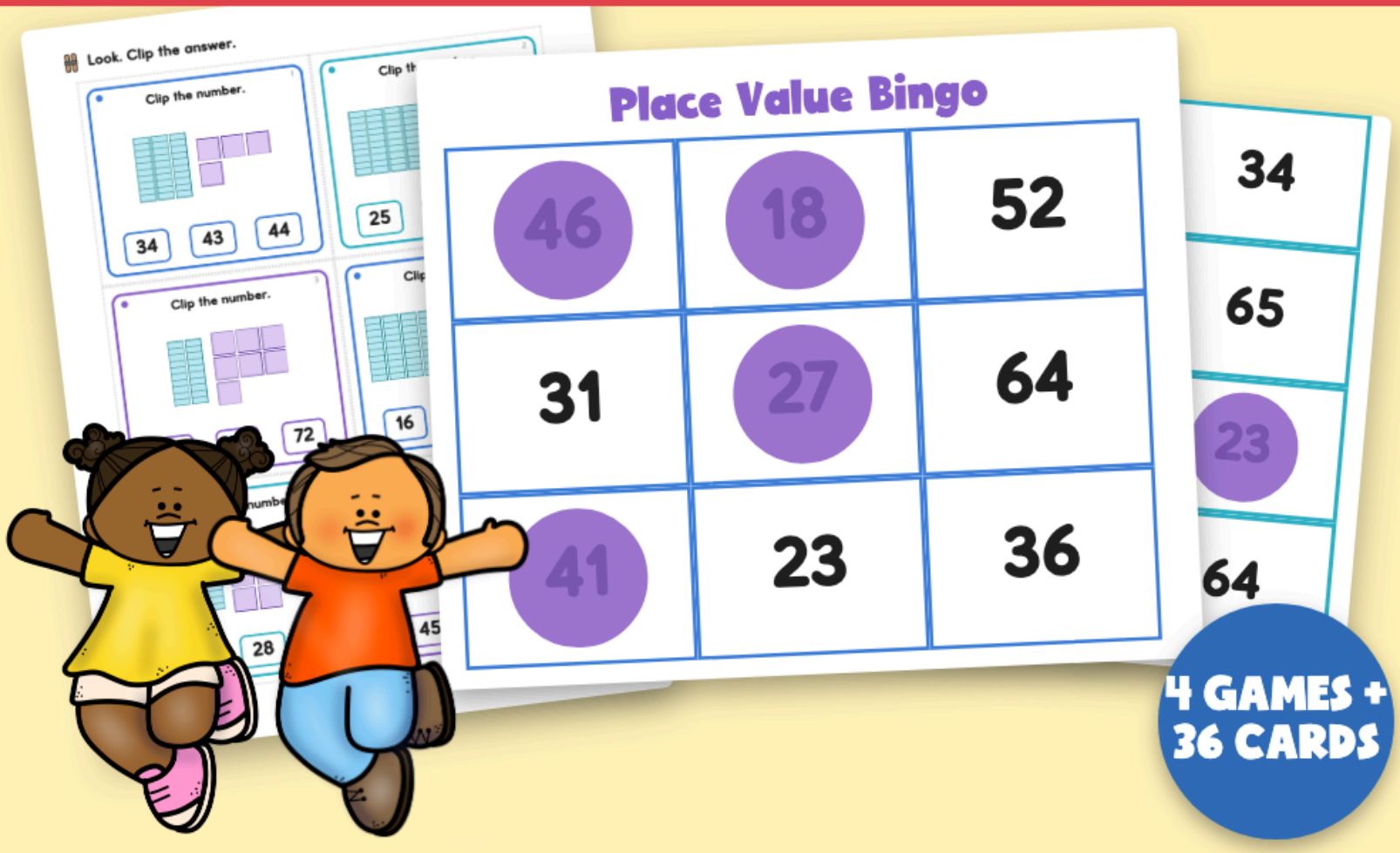
PLACE VALUE GAMES

4 Hands-On Games | 2- & 3-Digit



Preview : Bright Path Sped

Place Value Games Task Box

4 games and 36 base 10 block clip cards



Start here

- 1. Print what you need. Laminate and cut on the dashed lines.
- 2. Pick a game from the table on page 3.
- 3. Show the How to Play page, then play.



What's inside

- **4 games**, each with its own How to Play page (pages 15, 17, 20 and 24)
- **36 clip cards**, 18 at each level, in color (pages 5 to 10) and in black and white (pages 28 to 33)
- A build it mat and a recording sheet for each level
- Game pieces: a race board, 2 sets of 8 I have, who has? cards, 12 digit cards, 2 Roll and Cover boards, 16 bingo call cards and 4 bingo boards
- A worked example, 2 answer key pages and a data sheet

Set up

Put one page of clip cards in the box with clothespins, or let students circle the answer with a dry erase marker. Keep base ten blocks, counters and a die nearby. Print the black and white pages when you want to save color ink.

The two levels

- ● Level 1 2-digit numbers, shown as rods (tens) and small squares (ones).
- ■ Level 2 3-digit numbers, shown as flats (hundreds), rods and small squares.

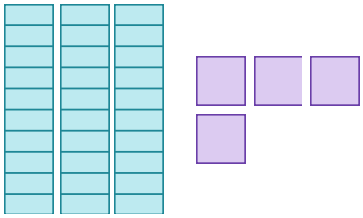
Each level is marked with a shape, not a number, so students are not comparing levels. The pictures are not to scale.

PREVIEW

Worked Example

Mia is an invented example student, not a real child.

Look. Clip the answer.



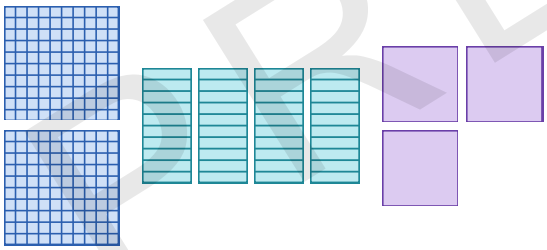
34 | 43 | 44

What Mia does

- She touches each rod and counts by tens: 10, 20, 30. That is **3 tens**.
- She touches each small square and counts: 1, 2, 3, 4. That is **4 ones**.
- 3 tens and 4 ones is **34**. She clips 34.

The shaded 34 is the right choice here. It is card 1 in the Level 1 set; 43 is the tempting wrong answer (tens and ones swapped). The answer key lists every card.

Level 2 works the same way



2 flats = **2 hundreds**, 4 rods = **4 tens**, 3 squares = **3 ones**. That is **243**. (Level 2, card 1.)

What Mia's teacher writes down (invented numbers)

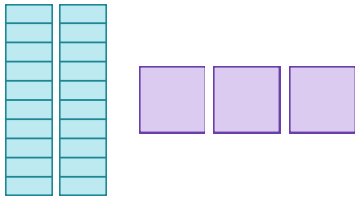
Day	Level	Correct / Given	Notes
Day 1	● 1	12 / 18	Counted rods by touch. Mixed up tens and ones on cards 7 and 9.
Day 2	● 1	15 / 18	Used the build it mat first. Fewer mix-ups.

PREVIEW

Look. Clip the answer.

7

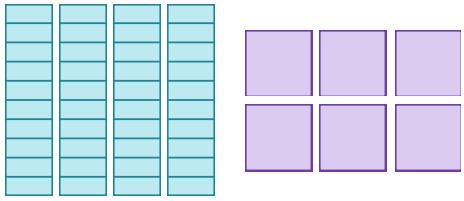
Clip the tens and ones.



- 3 tens 3 ones
- 2 tens 3 ones
- 3 tens 2 ones

8

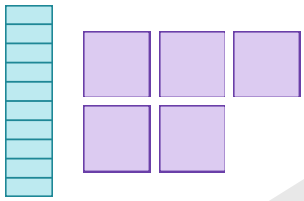
Clip the tens and ones.



- 6 tens 4 ones
- 5 tens 6 ones
- 4 tens 6 ones

9

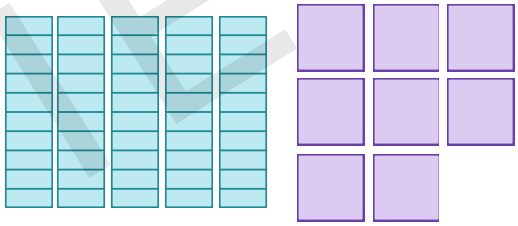
Clip the tens and ones.



- 1 ten 5 ones
- 5 tens 1 one
- 2 tens 5 ones

10

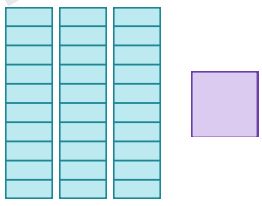
Clip the tens and ones.



- 8 tens 5 ones
- 6 tens 8 ones
- 5 tens 8 ones

11

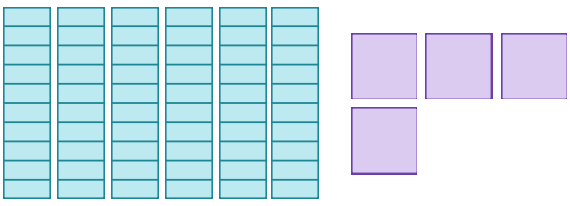
Clip the tens and ones.



- 1 ten 3 ones
- 4 tens 1 one
- 3 tens 1 one

12

Clip the tens and ones.



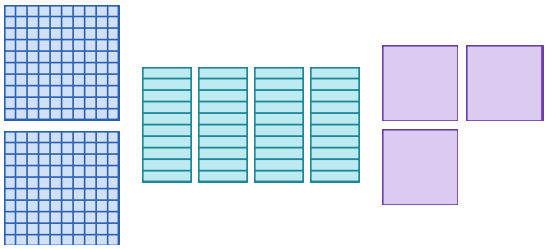
- 4 tens 6 ones
- 5 tens 4 ones
- 6 tens 4 ones

PREVIEW

Look. Clip the answer.

1

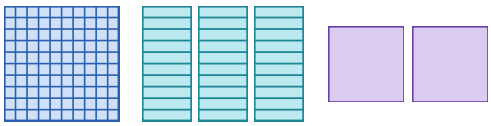
Clip the number.



234 243 423

2

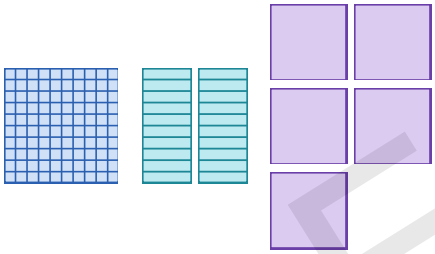
Clip the number.



123 132 312

3

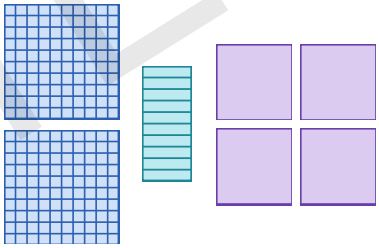
Clip the number.



125 152 215

4

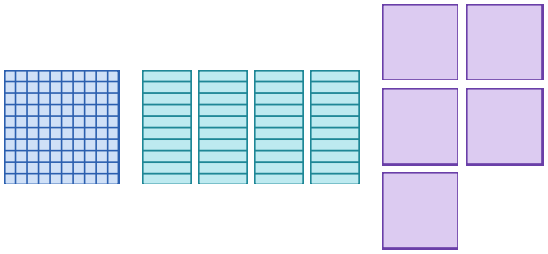
Clip the number.



124 214 241

5

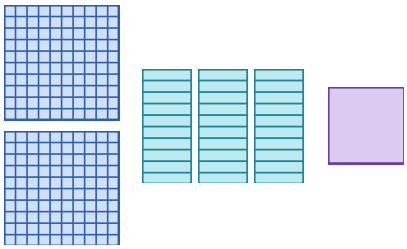
Clip the number.



145 154 415

6

Clip the number.



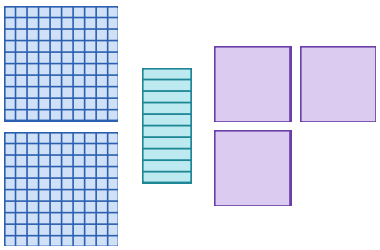
213 231 321

PREVIEW

Look. Clip the answer.

13

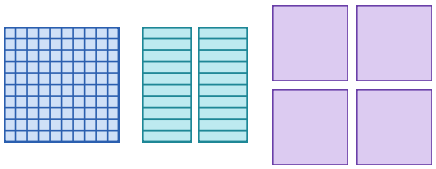
Clip the expanded form.



- 200 + 10 + 3
- 200 + 30 + 1
- 100 + 20 + 3

14

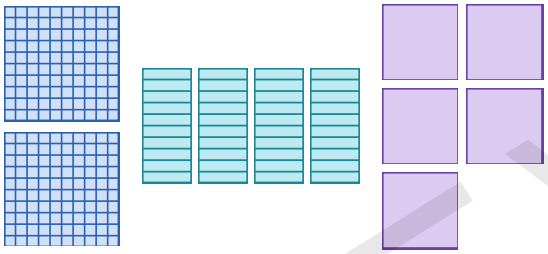
Clip the expanded form.



- 100 + 40 + 2
- 200 + 10 + 4
- 100 + 20 + 4

15

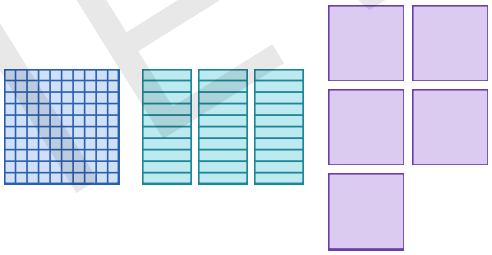
Clip the expanded form.



- 400 + 20 + 5
- 200 + 40 + 5
- 200 + 50 + 4

16

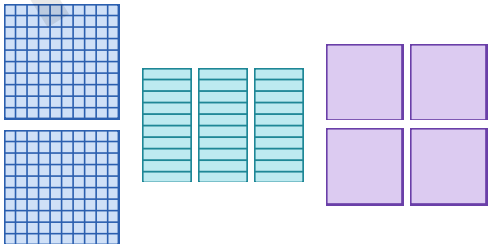
Clip the expanded form.



- 100 + 30 + 5
- 100 + 50 + 3
- 300 + 10 + 5

17

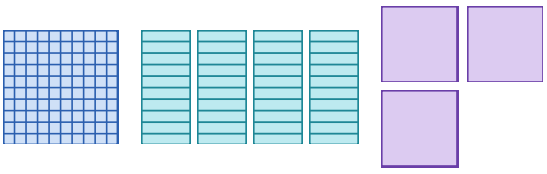
Clip the expanded form.



- 200 + 30 + 4
- 200 + 40 + 3
- 300 + 20 + 4

18

Clip the expanded form.



- 400 + 10 + 3
- 100 + 40 + 3
- 100 + 30 + 4

PREVIEW

My name _____



Build it. Put blocks in each box.

Tens	Ones

PREVIEW

Tens _____ **Ones** _____

The number is _____

Use real base ten blocks, or draw a box for each ten and a dot for each one.

My name _____



Look at each card. Write your answer.

Cards 1 to 6. Write the number.

1 ☐

2 ☐

3 ☐

4 ☐

5 ☐

6 ☐

Cards 7 to 12. Write how many of each.

7 ☐ tens ☐ ones

8 ☐ tens ☐ ones

9 ☐ tens ☐ ones

10 ☐ tens ☐ ones

11 ☐ tens ☐ ones

12 ☐ tens ☐ ones

Cards 13 to 18. Write the expanded form.

13 ☐

14 ☐

15 ☐

16 ☐

17 ☐

18 ☐

PREVIEW

How to Play

Roll and Build Race

2 players · 1 die · the race board on the next page

1



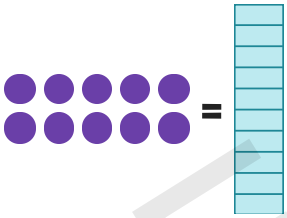
Roll one die.

2



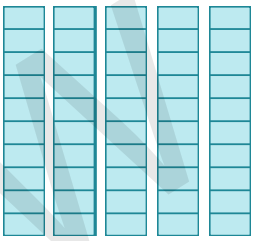
Color that many ones.

3



Ten ones? Trade! Color one ten.

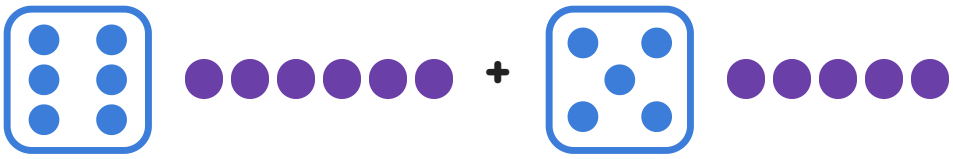
4



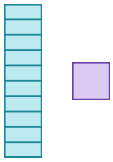
First to color 5 tens wins!

PREVIEW

An example



6 + 5 = 11 ones. Trade 10 ones for 1 ten.



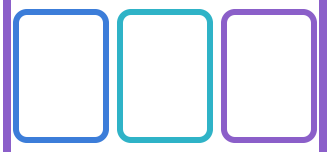
1 ten 1 one is 11

How to Play

I Have, Who Has?

2 to 8 players · two sets of 8 cards: Level 1 (2-digit) and Level 2 (3-digit)

1



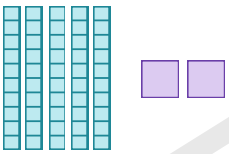
Pick a set. Share its 8 cards. Keep yours face up.

2

I have 34.
Who has ...

The Start card goes first. Read it out loud.

3



Look at the blocks. Is it your number? Say I have.

4

34

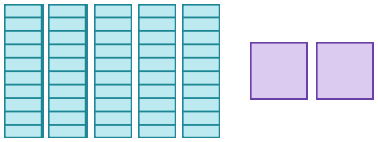
Stop when the Start card comes back.

PREVIEW

An example

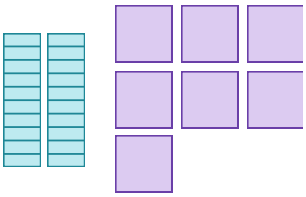
I have 34. Start

Who has



I have 52.

Who has



The blocks on the first card show 52. The player with I have 52 reads next.

Place Value Games: I Have, Who Has? Level 2 ■

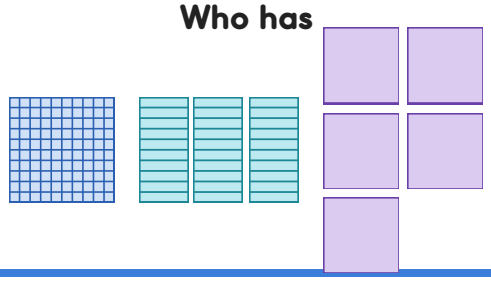
Previ... BrightPath Sped...

1. Cut the cards. Share them out. 2. Start reads Who has. 3. Who has that number? Say I have. Then read Who has. 4. Stop when Start comes back.

Start

I have 214.

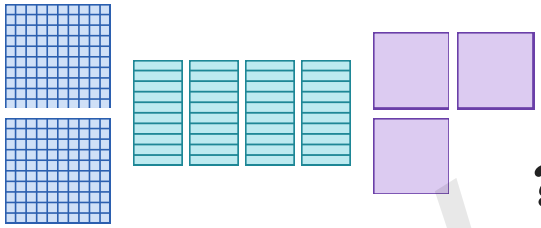
Who has



?

I have 135.

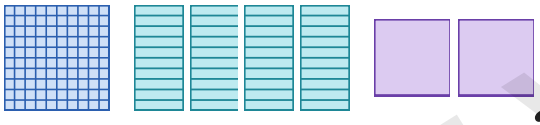
Who has



?

I have 243.

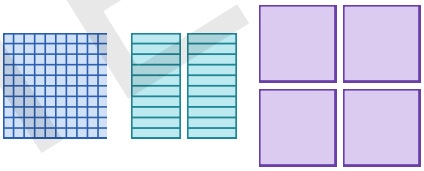
Who has



?

I have 142.

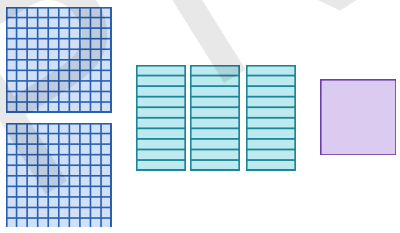
Who has



?

I have 124.

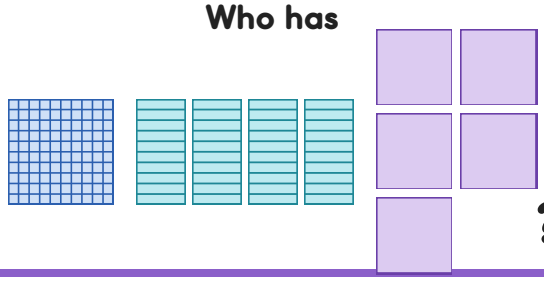
Who has



?

I have 231.

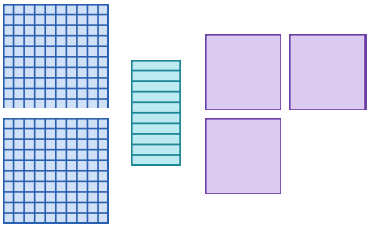
Who has



?

I have 145.

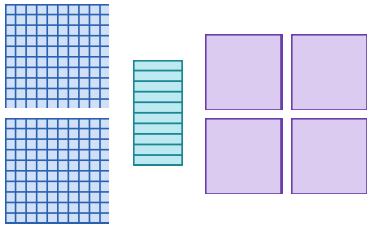
Who has



?

I have 213.

Who has



?

PREVIEW

Digit cards. Mix them up. Pick some.

1 	2 	3 
4 	5 	6 
1 	2 	3 
4 	5 	6 

PREVIEW

My name _____

Roll and Cover. Cover the number you build.

123	214	132
341	256	425
513	362	645
154	236	461

PREVIEW

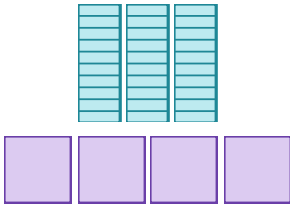
My cards ☐ ☐ ☐ **My number is** _____

Use a counter, a penny or a bit of paper to cover each number.

Call cards. Read one. Players find the number.

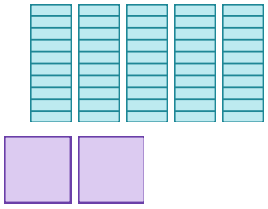
1

What number?



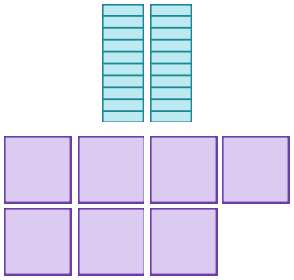
2

What number?



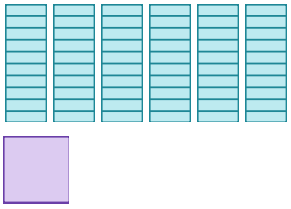
3

What number?



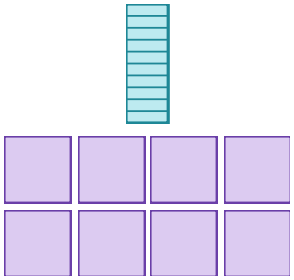
4

What number?



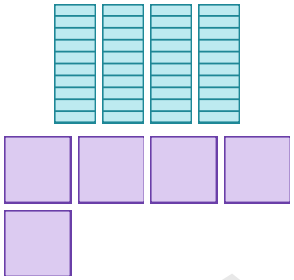
5

What number?



6

What number?



7

2 tens
3 ones

8

4 tens
6 ones

9

1 ten
5 ones

10

5 tens
8 ones

11

3 tens
1 one

12

6 tens
4 ones

13

30
+ 6

14

20
+ 9

15

50
+ 3

16

40
+ 1

PREVIEW

My name _____

Bingo Board 3

23	61	41
52	15	36
64	34	18

Bingo Board 4

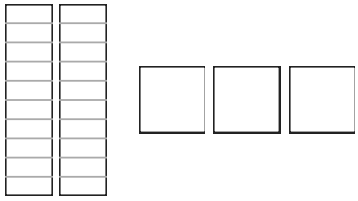
29	45	31
58	53	18
27	36	15

PREVIEW

Look. Clip the answer.

7

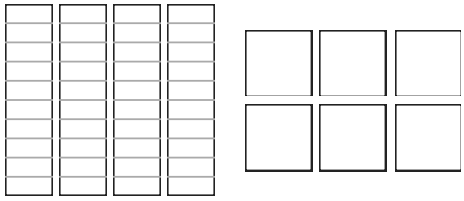
Clip the tens and ones.



- 3 tens 3 ones
- 2 tens 3 ones
- 3 tens 2 ones

8

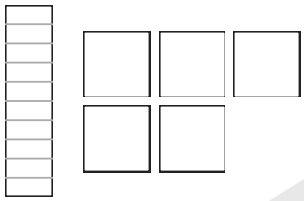
Clip the tens and ones.



- 6 tens 4 ones
- 5 tens 6 ones
- 4 tens 6 ones

9

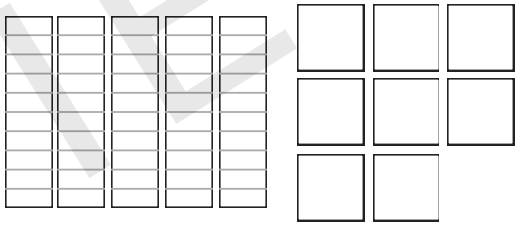
Clip the tens and ones.



- 1 ten 5 ones
- 5 tens 1 one
- 2 tens 5 ones

10

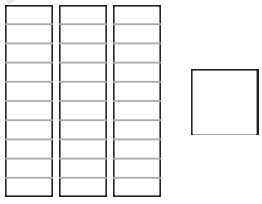
Clip the tens and ones.



- 8 tens 5 ones
- 6 tens 8 ones
- 5 tens 8 ones

11

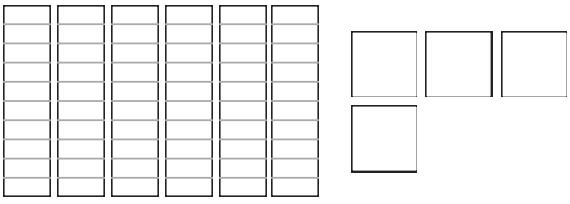
Clip the tens and ones.



- 1 ten 3 ones
- 4 tens 1 one
- 3 tens 1 one

12

Clip the tens and ones.



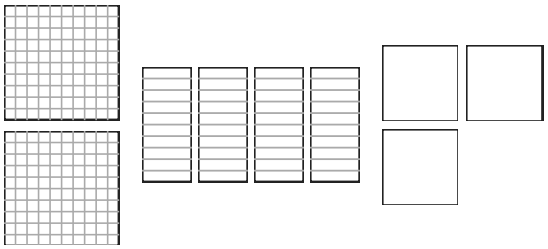
- 4 tens 6 ones
- 5 tens 4 ones
- 6 tens 4 ones

PREVIEW

Look. Clip the answer.

1

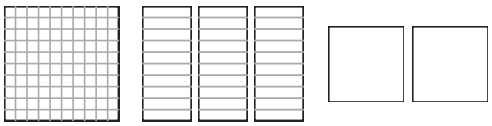
Clip the number.



234 243 423

2

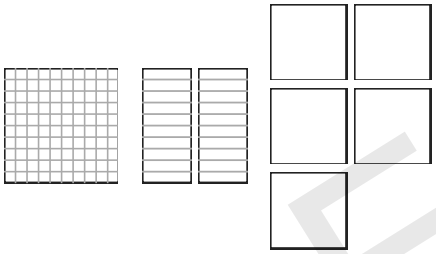
Clip the number.



123 132 312

3

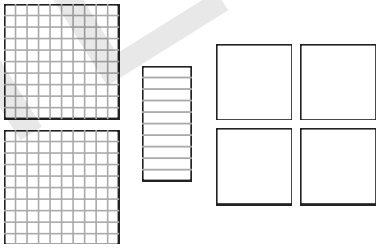
Clip the number.



125 152 215

4

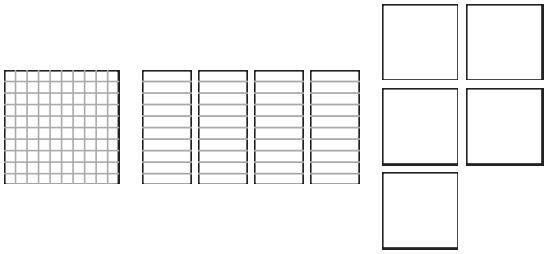
Clip the number.



124 214 241

5

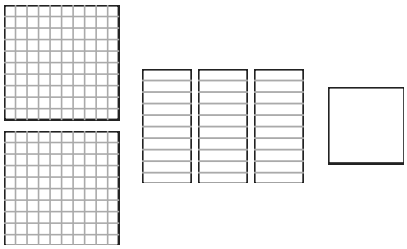
Clip the number.



145 154 415

6

Clip the number.



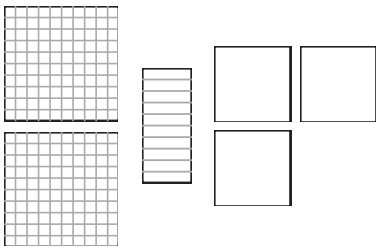
213 231 321

PREVIEW

Look. Clip the answer.

13

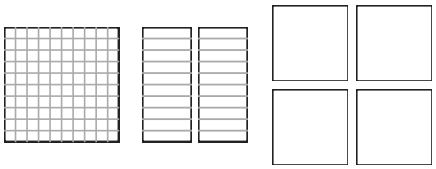
Clip the expanded form.



- 200 + 10 + 3
- 200 + 30 + 1
- 100 + 20 + 3

14

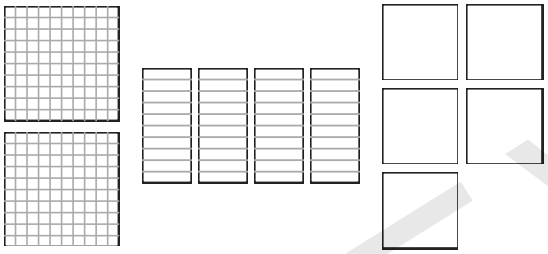
Clip the expanded form.



- 100 + 40 + 2
- 200 + 10 + 4
- 100 + 20 + 4

15

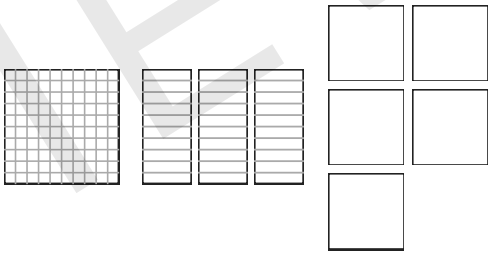
Clip the expanded form.



- 400 + 20 + 5
- 200 + 40 + 5
- 200 + 50 + 4

16

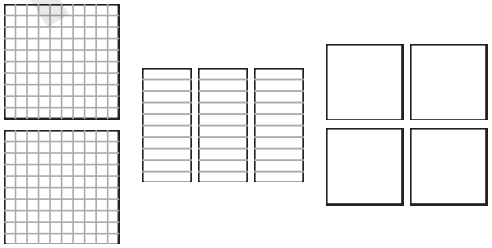
Clip the expanded form.



- 100 + 30 + 5
- 100 + 50 + 3
- 300 + 10 + 5

17

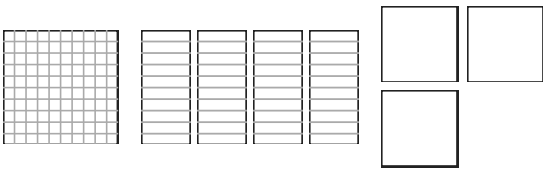
Clip the expanded form.



- 200 + 30 + 4
- 200 + 40 + 3
- 300 + 20 + 4

18

Clip the expanded form.



- 400 + 10 + 3
- 100 + 40 + 3
- 100 + 30 + 4

PREVIEW

Preview : Bright Path Sped

Answer Key: Games

Place Value Bingo call cards (page 25)

Call card	Number	Shows	Call card	Number	Shows
1	34	blocks	9	15	tens, ones
2	52	blocks	10	58	tens, ones
3	27	blocks	11	31	tens, ones
4	61	blocks	12	64	tens, ones
5	18	blocks	13	36	expanded
6	45	blocks	14	29	expanded
7	23	tens, ones	15	53	expanded
8	46	tens, ones	16	41	expanded

Bingo boards (pages 26 and 27), top row to bottom row

Board 1	46, 18, 52, 31, 27, 64, 41, 23, 36
Board 2	34, 58, 15, 61, 46, 29, 53, 27, 45
Board 3	23, 61, 41, 52, 15, 36, 64, 34, 18
Board 4	29, 45, 31, 58, 53, 18, 27, 36, 15

I Have, Who Has? Level 1 loop (page 18)

34, 52, 27, 61, 18, 45, 36, 29, and back to 34 (Start)

I Have, Who Has? Level 2 loop (page 19)

214, 135, 243, 142, 124, 231, 145, 213, and back to 214 (Start)

PREVIEW