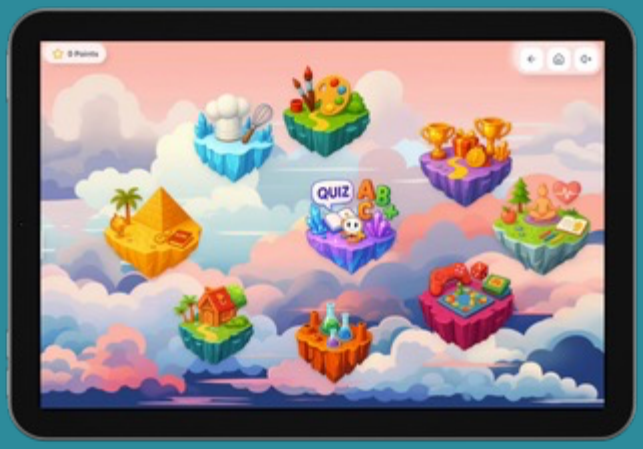

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Place Value to 120 Year 1

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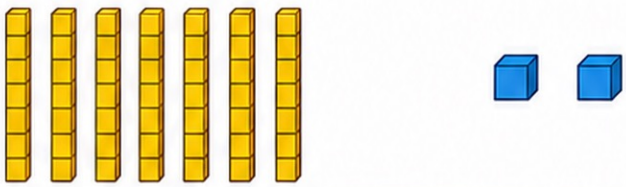
Place Value to 120

Hundreds, Tens and Ones

1 1 8 = 1 hundred + 1 ten + 8 ones

7 2 = 7 tens + 2 ones



A digit's place tells its value.

Scoop and Group Card Sort

Match each number to its place value model.

Number Cards

24	39	58	72	86	105	114	120

Model Cards

2 tens + 4 ones	3 tens + 9 ones	5 tens + 8 ones	7 tens + 2 ones	8 tens + 6 ones	1 hundred + 5 ones	1 hundred + 1 ten + 4 ones	1 hundred + 2 tens + 0 ones

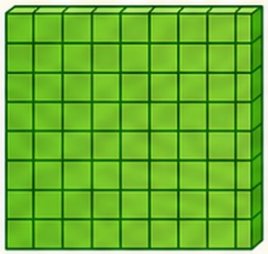
Place Value Trail to 120

Game Rules:

1. Roll and move.
2. Read your number.
3. Build it with hundreds, tens and ones.
4. Explain it to stay there.

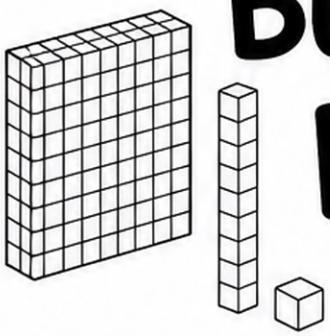
Start	8	15	24	31	39	42
50	[illegible]	63	70	72	79	
86	91	99	100	105	108	
112	114	[illegible]	120	67	55	

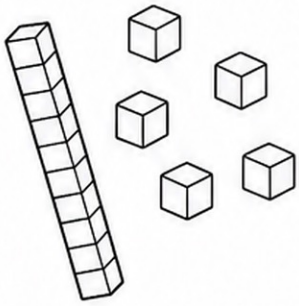
Place Value [illegible]ank

hundreds	tens	[illegible]nes
		

Build It With Place Value

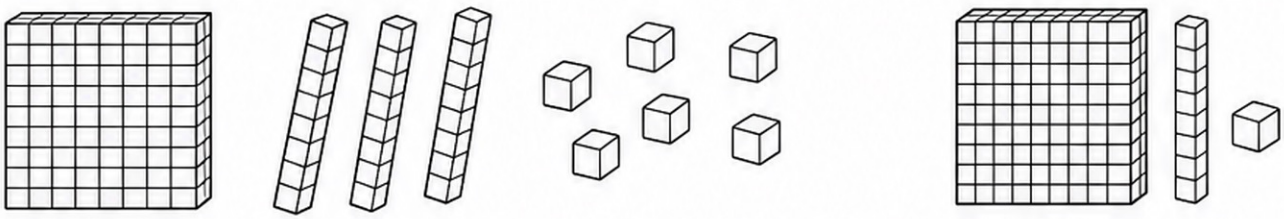
Name: _____

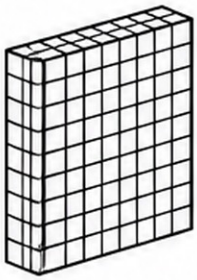




Write the hundreds, tens and ones.
Then write the expanded form.

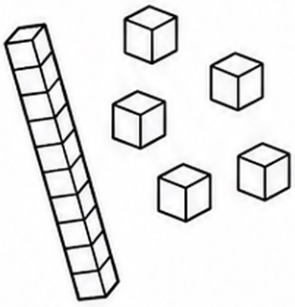
Number	hundreds	tens	ones	Expanded form
24				_____
58				_____
105				_____
120				_____





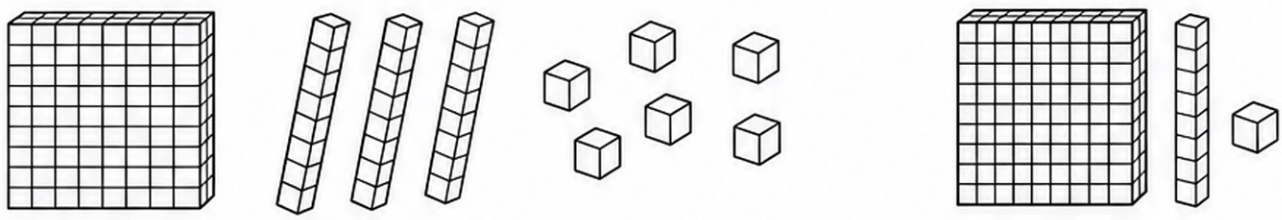
Build It With Place Value

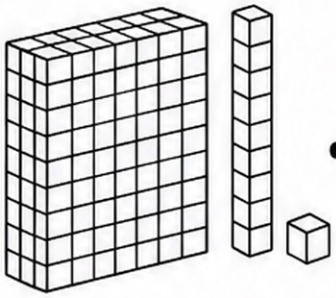
Name: ANSWERS



Write the hundreds, tens and ones.
Then write the expanded form.

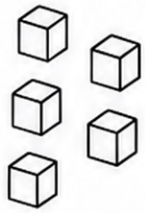
Number	hundreds	tens	ones	Expanded form
24	0	2	4	20 + 4
58	0	5	8	50 + 8
105	1	0	5	100 + 5
120	1	2	0	100 + 20





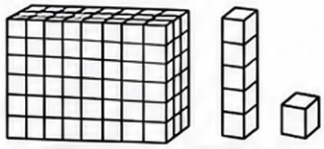
Name: _____

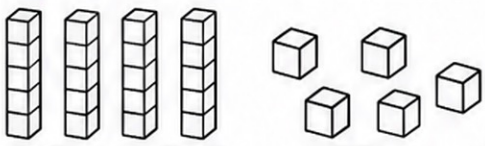
Tens and Ones Match



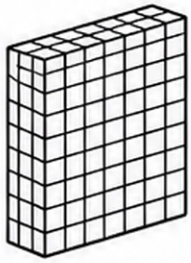
Read each model. Write the number it makes.

Place value model	Number
4 tens + 7 ones	
9 tens + 3 ones	
1 hundred + 1 ten + 2 ones	
10 tens + 5 ones	
11 tens + 6 ones	
1 hundred + 2 tens + 0 ones	

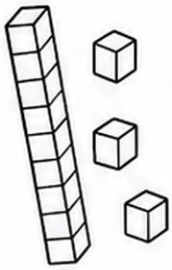




Name: ANSWERS

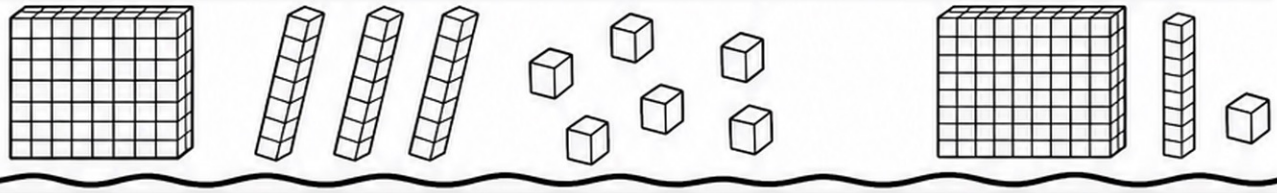


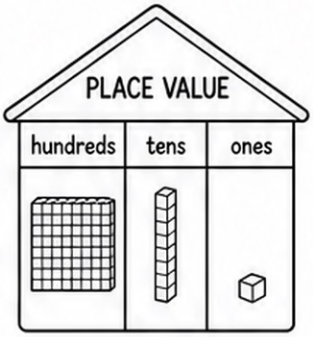
Tens and Ones Match



Read each model. Write the number it makes.

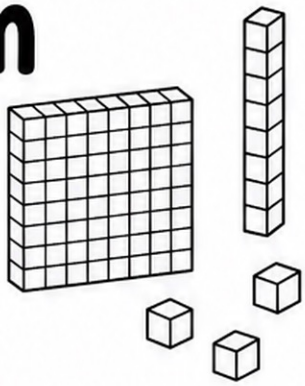
Place value model	Number
4 tens + 7 ones	47
9 tens + 3 ones	93
1 hundred + 1 ten + 2 ones	112
10 tens + 5 ones	105
11 tens + 6 ones	116
1 hundred + 2 tens + 0 ones	120





Name: _____

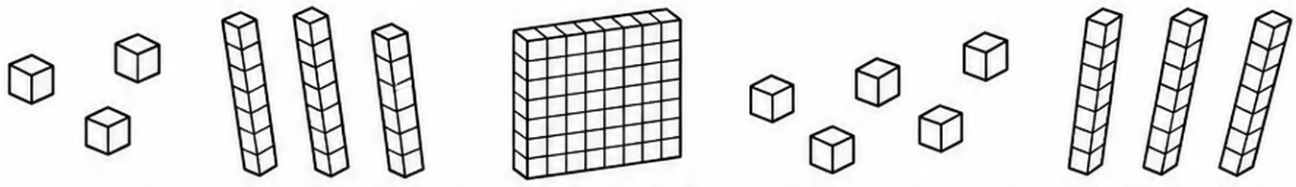
Expanded Form Builders

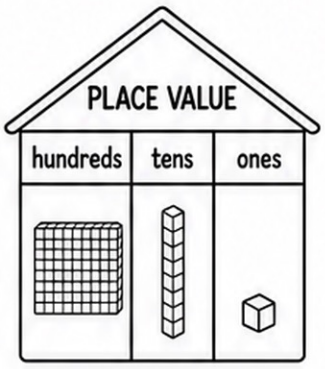


Example: 42 = 40 + 2 = 3 tens + 12 ones

Write each number in expanded form. Then show another way to partition it.

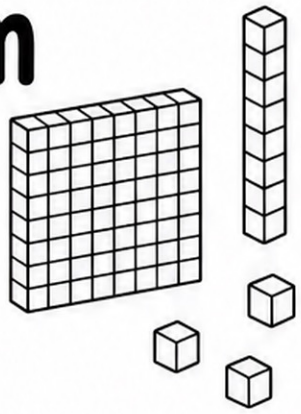
Number	Expanded form	Another way
31		
64		
80		
107		
119		





Name: ANSWERS

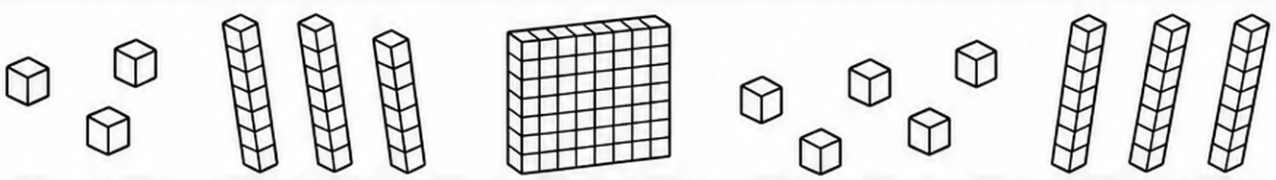
Expanded Form Builders



Example: 42 = 40 + 2 = 3 tens + 12 ones

Write each number in expanded form. Then show another way to partition it.

Number	Expanded form	Another way
31	30 + 1	tens + 11 ones
64	60 + 4	5 tens + 14 ones
80	80 + 0	7 tens + 10 ones
107	100 + 7	10 tens + 7 ones
119	100 + 10 + 9	11 tens + 9 ones

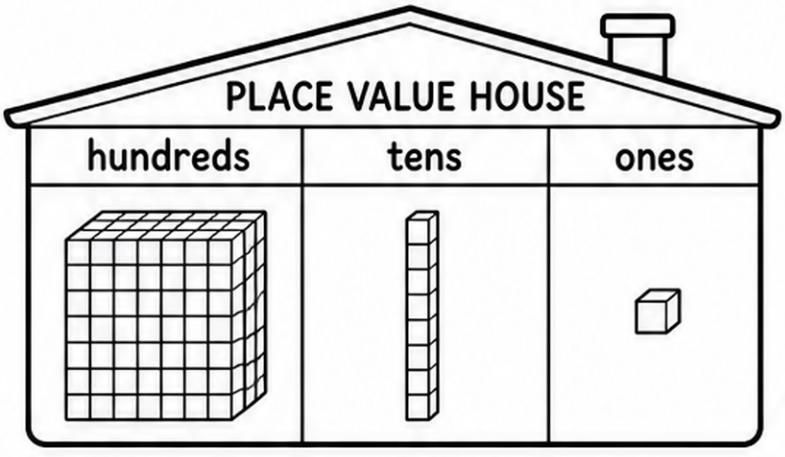


Name: _____

Digit Value Detectives

Circle the named digit. Write its value.

Number	Digit to find	Value
46	4	_____
73	3	_____
108	1	_____
115	5	_____
20	2	_____
89	8	_____

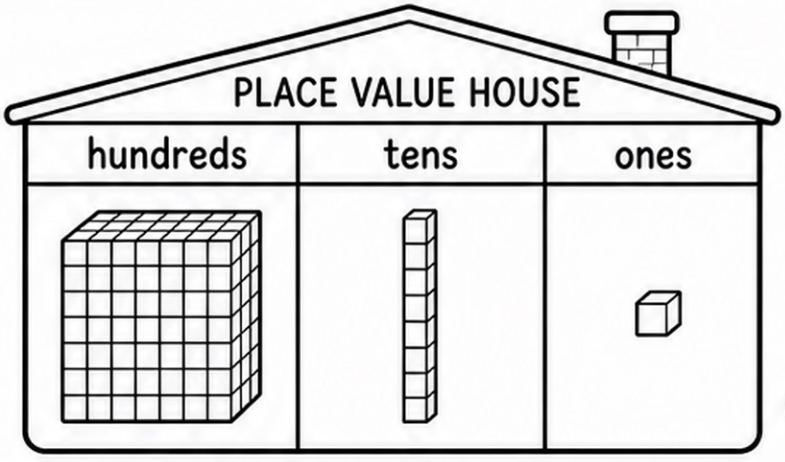


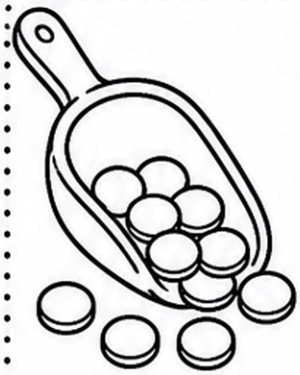
Name: ANSWERS

Digit Value Detectives

Circle the named digit. Write its value.

Number	Digit to find	Value
46	4	40
73	3	3
108	1	100
115	5	5
120	2	20
89	8	80





Name: _____

Scoop Ten More

10 ones = 1 ten

Regroup 10 ones as 1 ten. Then write the number.

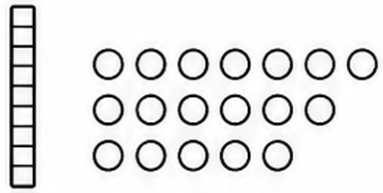
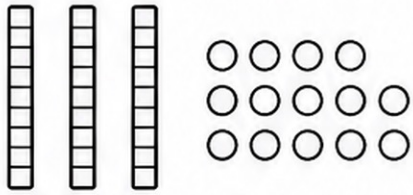
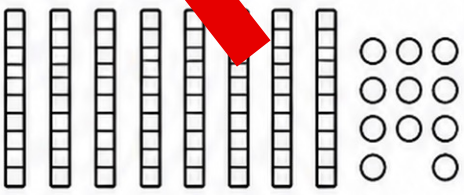
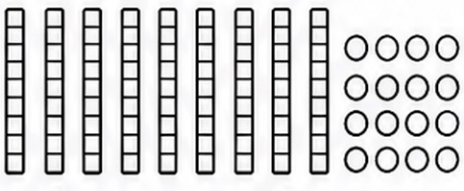
Start model	Regrouped model	Number
1 ten + 14 ones	_____	
3 tens + 18 ones	_____	
5 te + on	_____	
9 tens + 15 ones	_____	
10 tens + 10 ones	_____	

Name: ANSWERS

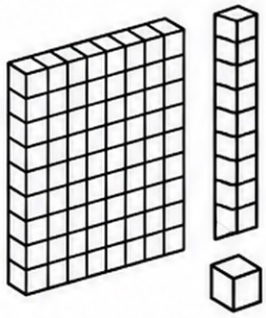
Scoop Ten More

10 ones = 1 ten

Regroup 10 ones as 1 ten. Then write the number.

Start model	Regrouped model	Number
 1 ten + 14 ones	2 tens + 4 ones	24
 3 tens + 18 ones	4 tens + 8 ones	48
 5 tens + 12 ones	6 tens + 2 ones	62
 9 tens + 15 ones	10 tens + 5 ones	105
 10 tens + 10 ones	11 tens + 0 ones	110

Place Value Check-In



Name: _____

Show what you know about place value to 120.

1. Build and write

1. 68 = ___ tens + ___ ones

   Expanded form: _____

2. 112 = ___ hundred + ___ ten + ___ ones

   Expanded form: _____

2. Read the model

3. 4 tens + 16 ones = _____

4. 1 hundred + 1 ten + 9 ones = _____

3. Digit value

5. In 97, the 7 is worth _____

6. In 92, the 9 is worth _____

4. Regroup

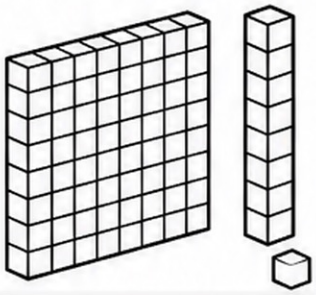
7. Regroup: 8 tens + 20 ones = ___ tens + ___ ones

   Number: _____

8. Draw or write another way to show 120.

Name: ANSWERS

Place Value Check-In



Show what you know about place value to 120.

1. Build and write

1. 68 = 6 tens + 8 ones

   Expanded form: 60 + 8

2. 112 = 1 hundred + 1 ten + 2 one

   Expanded form: 100 + 10 + 2

2. Read the model

3. 4 tens + 16 ones = 5

4. 1 hundred + 1 ten one = 119

3. Digit value

5. In 17, the 1 is worth 100

6. In 92, the 9 is worth 90

4. Regroup

7. Regroup: 8 tens + 20 ones = 10 tens + 0 ones

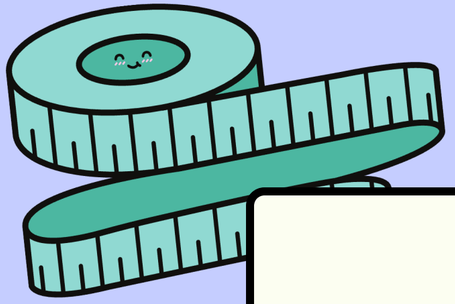
   Number: 100

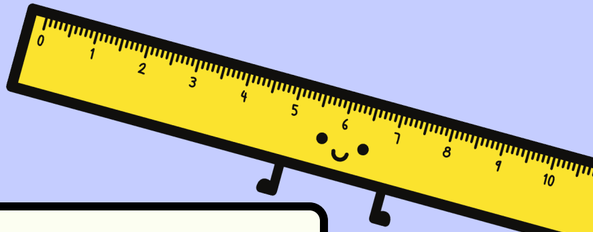
8. Draw or write another way to show 120.

Example: 1 hundred + 2 tens + 0 ones

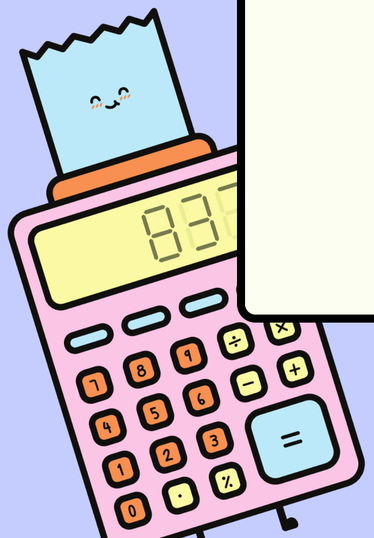
Place Value to 120 Year 1 Rubric

	BEGINNING	DEVELOPING	ACHIEVING	CONFIDENT	EXCEEDING
Represents numbers to 120	Needs support to represent numbers to 120.	Represents some numbers to 120 with prompts.	Represents numbers to 120 correctly for familiar examples.	Represents numbers to 120 accurately across many examples.	Represents numbers to 120 flexibly using different models.
Uses hundreds, tens and ones	Needs support to use hundreds, tens and ones.	Uses hundreds, tens and ones for some numbers with prompts.	Uses hundreds, tens and ones correctly for familiar examples.	Uses hundreds, tens and ones accurately across numbers to 120.	Uses hundreds, tens and ones flexibly for any number to 120.
Regroups ones into tens	Needs support to regroup ones into tens.	Regroups ones into tens for some numbers with prompts.	Regroups ones into tens correctly for familiar examples.	Regroups ones into tens accurately across numbers to 120.	Regroups ones into tens efficiently and flexibly in different ways.
Explains place value thinking	Needs support to explain place value thinking.	Explains some thinking about place value with prompts.	Explains place value thinking for familiar examples.	Explains place value thinking clearly for numbers to 120.	Explains place value thinking clearly using flexible strategies.





Place Value to 120



Learning Goal

We can represent numbers to 120 using hundreds, tens and ones.

Partitioning Numbers

A whole number can be split into smaller parts that still make the same total.

Make Groups of Ten

Ten ones can be grouped to make one ten. This helps us count bigger numbers.

Place Value Houses

Each digit has a place: hundreds, tens or ones.

Numbers Below 100

In 72, the 7 means 7 tens and the 2 means 2 ones.

One Hundred

When we have 10 tens, we can make 1 hundred.

Build 105

105 can be shown as 1 hundred, 0 tens and 5 ones.

Scoop and Group

If there are 10 or more ones, regroup 10 ones as 1 ten.

Flexible Partitions

58 can be 5 tens and 8 ones, or 4 tens and 18 ones.

Expanded Form

Expanded form shows the value of each part, such as 100 + 10 + 4.

Digit Value

The digit 1 is worth 100 in 118, but 10 in 31.

Review

Read the number, build it, partition it, then explain the value of each digit.

Great Work!

Place Value Quiz

Question 1

Question 1

Which model shows 68?

A. 6 tens + 8 ones

B. 8 tens + 6 ones

C. 6 hundreds + 8 ones

D. 60 tens + 8 ones

Answer 1

Answer 1

A. 6 tens + 8 ones

Question 2

Question 2

True or false: 10 ones can be regrouped as 1 ten.

Answer 2

Answer 2

True.

Question 3

Question 3

Write 10 in expanded form.

Answer 3

Answer 3

100 + 5

Question 4

Question

What number is 1 hundred + 2 tens + 0 ones?

A. 102

B. 112

C. 120

D. 210

Answer 4

Answer 4

C. 120

Question 5

Question 5

Regroup 3 tens + 14 ones.

Answer 5

Answer 5

4 tens + 4 ones, which is 44.

Question 6

Question 6

True or false: In 92, the 9 is worth 9.

Answer 6

Answer 6

False. One 9 is worth 90.

Question 7

Question

In 116, what is the 1 in the hundreds place worth?

A. 1

B. 10

C. 100

D. 116

Answer 7

Answer 7

C. 100

Question 8

Question 8

What number is 11 tens + 5 ones?

Answer 8

Answer 8

215

Question 9

Question 9

Which is another way to show 48?

A. 3 tens + 18 ones

B. 4 tens + 80 ones

C. 8 tens + 4 ones

D. 1 hundred + 48 ones

Answer 9

Answer 9

3 tens + 18 ones

Question 10

Question 10

Show 132 in two place-value ways.

Answer 10

Answer 10

Example: 1 hundred + 2 tens + 0 ones, and 12 tens + 0 ones.

Well Done!