58. How Many Boots?

- COUNT TO 100
- RECOGNIZE THREE REPRESENTATIONS OF NUMBER 100

STUDENT NEEDS:
100 single blocks
20 small holders
2 medium holders
worksheets (put together)
pencil or digit cards

🕐 20 minutes

HELPFUL HINTS:
When students are counting by tens ("…70, 80, 90…"), they often will stumble when looking for the word "hundred." Allow students to struggle briefly before introducing the word "hundred".

GROUP ACTIVITY:

1. "How can we figure out how many boots are on this worksheet?"
2. Students place one block on each boot.
3. Teacher keeps one worksheet with blocks on boots for later reference.
4. Students build a train with the blocks.
5. Students count the blocks on their train by ones (100).
6. Students count the blocks on their train by tens (100).
7. Students write the number on their worksheet (100).
8. Teacher keeps one train of 100 for later reference.
9. Students cover the cars to make blocks of 10.
10. Students pack the blocks of 10 to make a block of 100.

CLASS DISCUSSION:

1. Students compare the three representations of the number:
   - Loose (100 blocks on worksheet)
   - Train (10 cars of 10 blocks)
   - Packed (1 block of hundred)
2. Ask students if each of the three representations has the same number of single blocks. (Yes.)
3. Prompt students to recognize that 100 ones = 10 tens = 1 hundred.
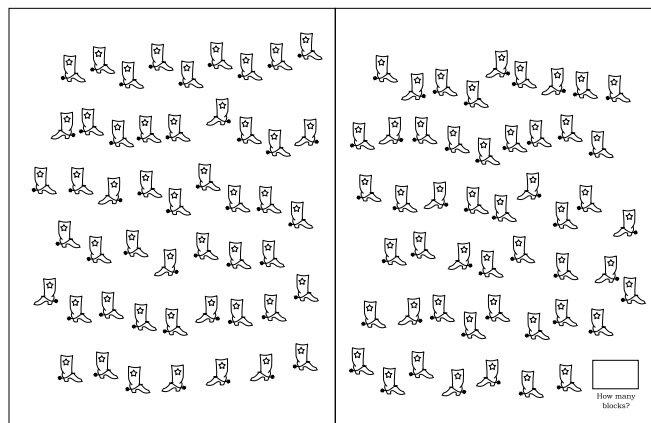
PROMPTING QUESTIONS:
How many single blocks
are in our big block? (100)
How many are in our train?
(100) How many are on
the worksheet? (100) Are
there the same number
of blocks in each of these
three places? (Yes.) How
many cars are there in our
train? (10) How many
blocks are there in each
car? (10)

Assessment:

DOES THE STUDENT:
- place blocks with 1-to-1 correspondence correctly
- count to 100 with a train by ones and tens accurately
- recognize that 100 ones is the same as 10 tens is the same as 1 hundred

Differentiation:

REINFORCEMENT:
- Set out one example of each of the three representations of 100 with blocks for students to compare.
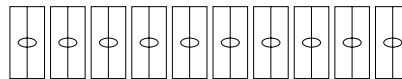
EXTENSION:
- Use digit cards to show that 1 hundred, 0 tens, 0 ones is written the same as 10 tens, 0 ones.
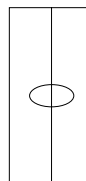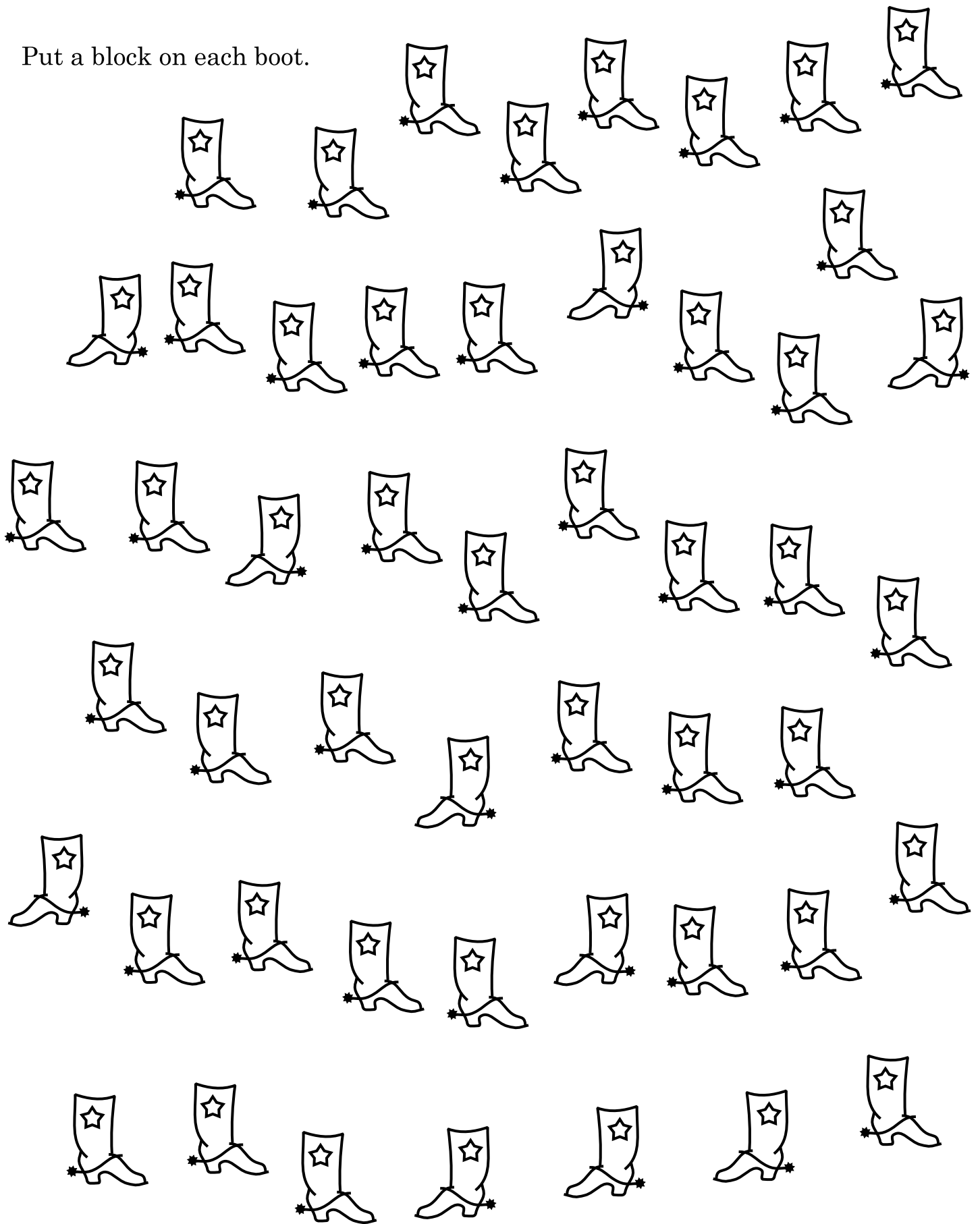- Ask students how they would write the numbers 101, 110, and 205.
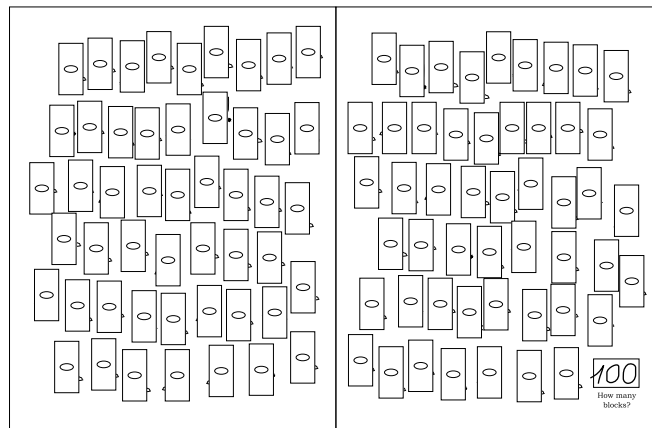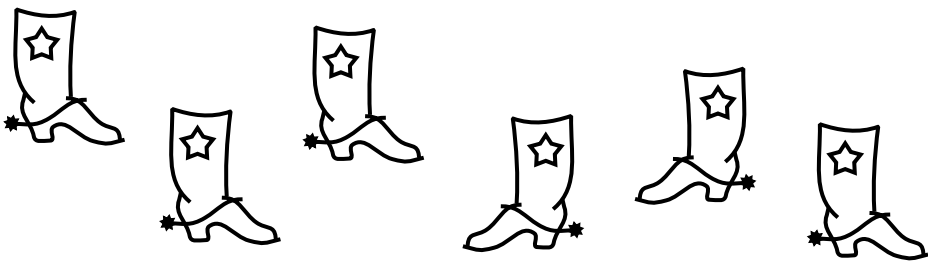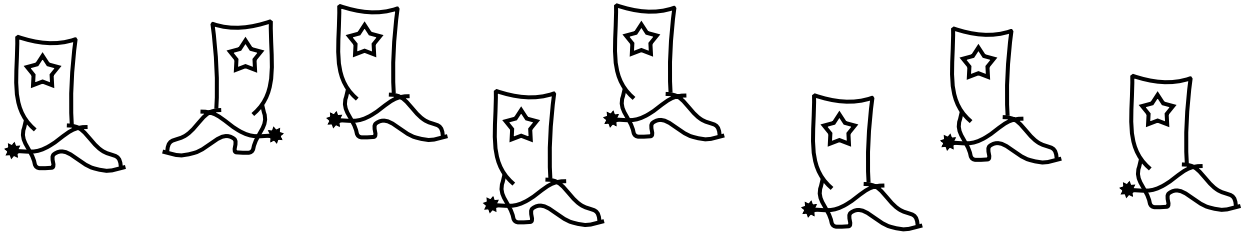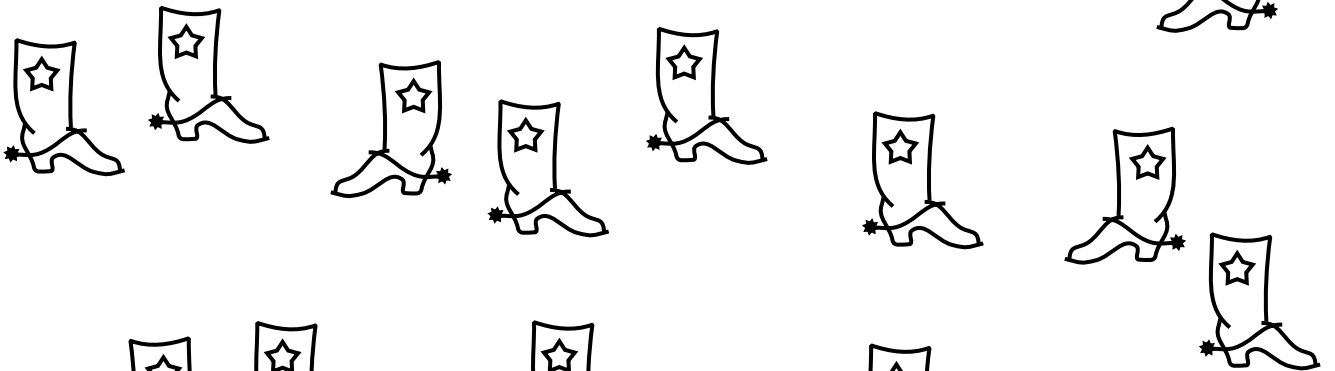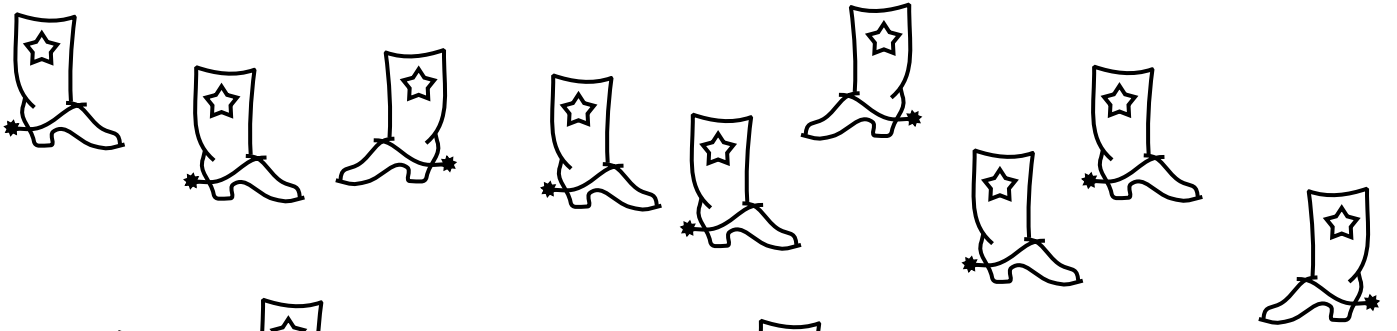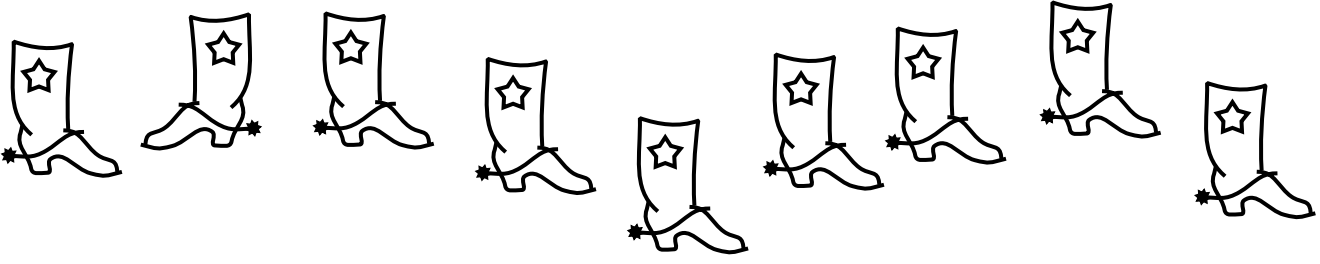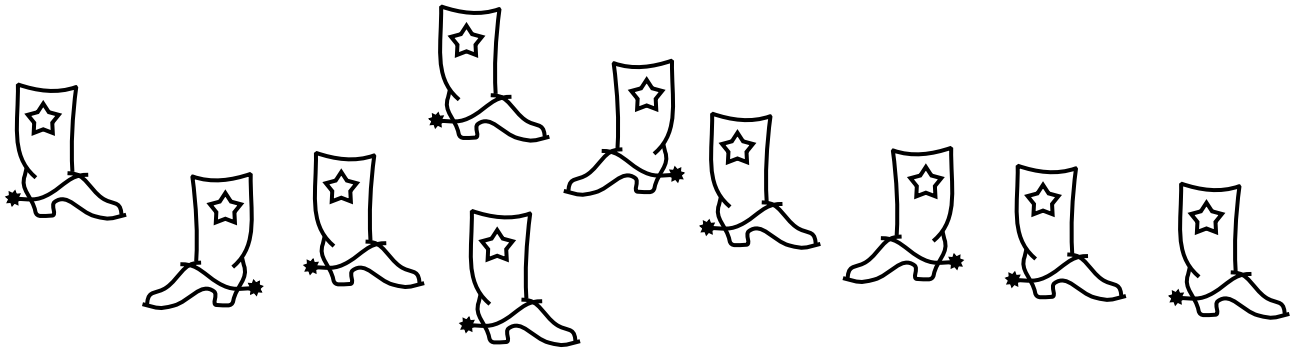
100 ones
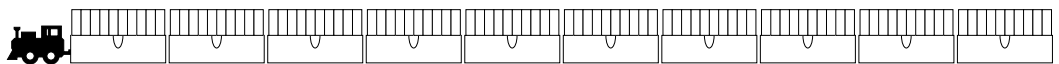
10 tens

10 blocks-of-10

1 block-of-100

Name: _____

Put a block on each boot.

How many boots?