Grade 3 Mathematics: Number

Free sample lesson

Ontario curriculum: Mathematics (2020), Strand B: Number. 16 days.

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This is Lesson 1 of 12 from the full unit, exactly as it appears in the Teacher Guide, followed by the student worksheet. The full unit is at unitplans.ca.

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Lesson 1: Build numbers to 1000

1 day · about 40 minutes · B1.1

> **Learning goal**
>
> - We are learning to read, build and take apart numbers to 1000.

> **Success criteria**
>
> - I can read a number to 1000.
> - I can show it with blocks.
> - I can break it into hundreds, tens and ones.

Materials

- Base ten blocks
- Place value mats
- Number cards

What students do with their hands

Students build numbers with base ten blocks, trading ten cubes for a rod and ten rods for a flat, and name each number.

Minds On (8 min)

1. Hold up 1 flat and 3 rods. Ask: "What number do these blocks show?"
2. Count the flats by 100, the rods by 10, then the cubes.

Action (22 min)

1. Model trading 10 cubes for 1 rod and 10 rods for 1 flat.
2. Partners build a number card with blocks and say it aloud.
3. Talk about where big numbers show up: bus numbers, page numbers, prices.

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4. Complete the worksheet.

Consolidation (10 min)

1. Partners swap block numbers and read each other's.
2. Exit: "How many cubes are in one flat?"

Questions to ask

- How many hundreds, tens and ones?
- Why do we trade ten rods for a flat?

Watch for

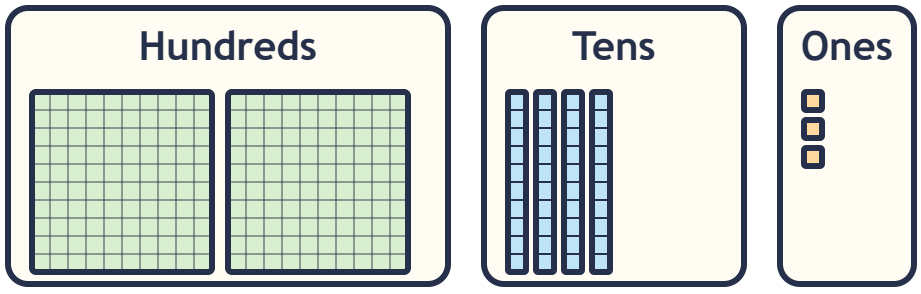
- Some students read 305 as thirty-five. Use a mat with an empty tens column.

Differentiation

Support	Extend
Build numbers to 200 first.	Show one number in two different block ways.

Answer key: Blocks and numbers

1. What number is this?

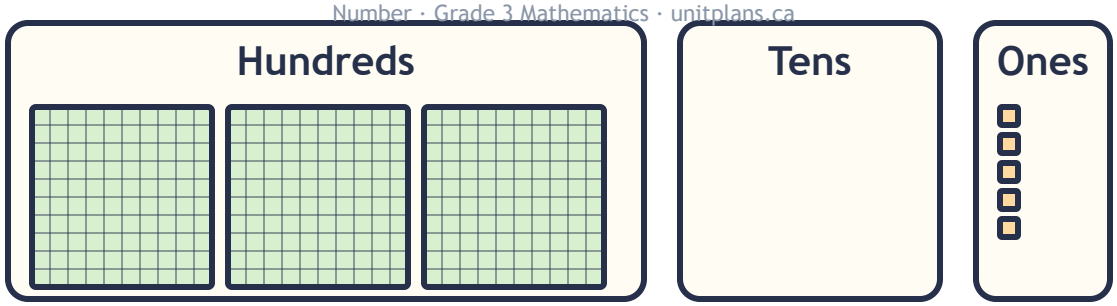


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> **Answer:** 243

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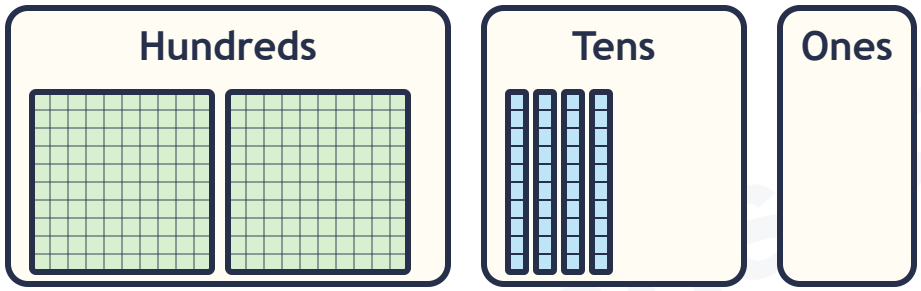
2. What number is this?



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> **Answer:** 305

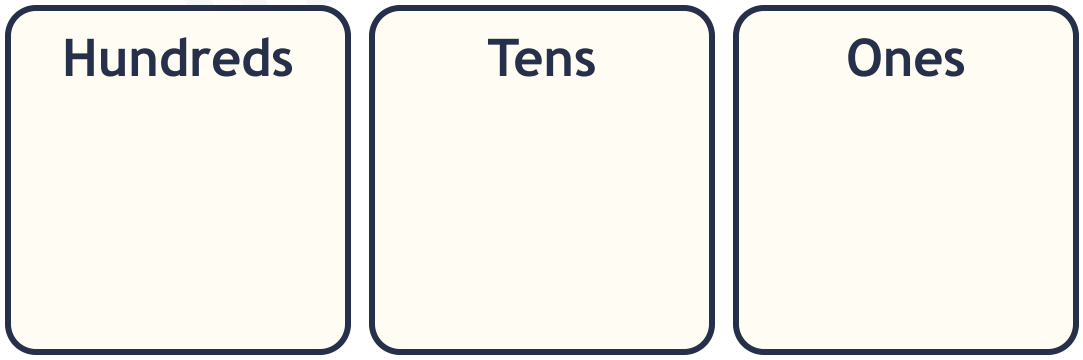
3. 200 + 40 + ? = 243



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> **Answer:** 3

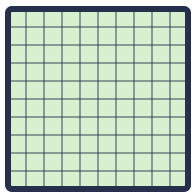
4. Make 146. Draw the blocks.



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> **Answer:** 1 flat, 4 rods and 6 cubes.

5. How many cubes are in one flat?



> **Answer:** 100

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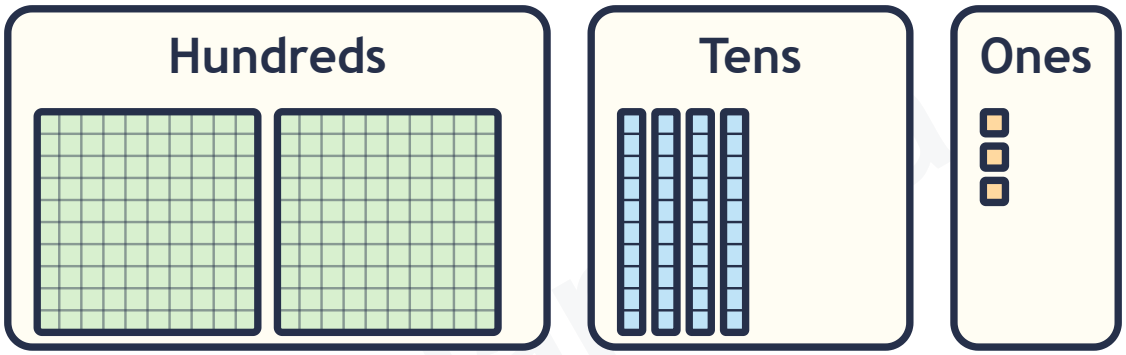
Student worksheet: Blocks and numbers

Success criteria

- I can read a number to 1000.
- I can show it with blocks.
- I can break it into hundreds, tens and ones.

Look at the blocks. Follow the question.

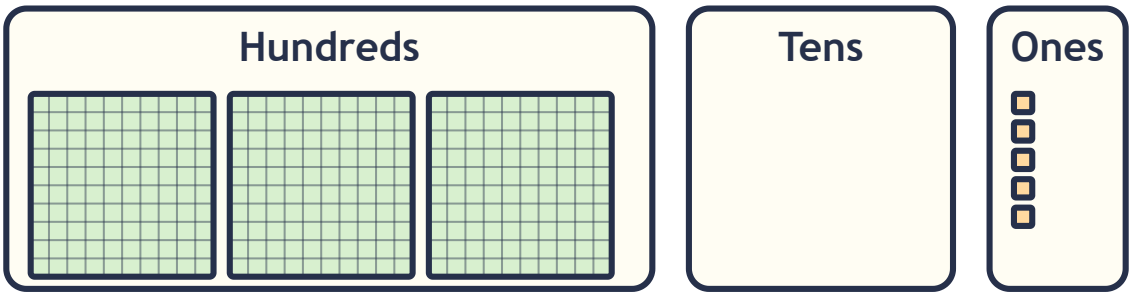
1 **What number is this?**



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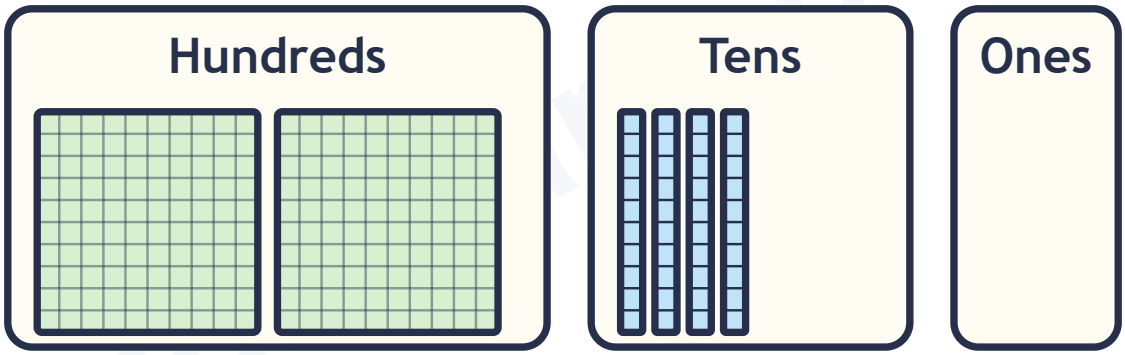
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2 What number is this?



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3 200 + 40 + ? = 243



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4 Make 146. Draw the blocks.

Hundreds	Tens	Ones

5 How many cubes are in one flat?

