Develop Skip-Counting by Fives, Tens, and Hundreds

Read and try to solve the problem below.

> **Luis is skip-counting by tens. He starts at 235. What are the next 6 numbers Luis writes?**

235 ? ? ? ? ? ?

TRY IT

Math Toolkit
- base-ten blocks
- 200 number charts
- hundreds place-value charts
- open number lines

DISCUSS IT

Ask your partner: Why did you choose that strategy?

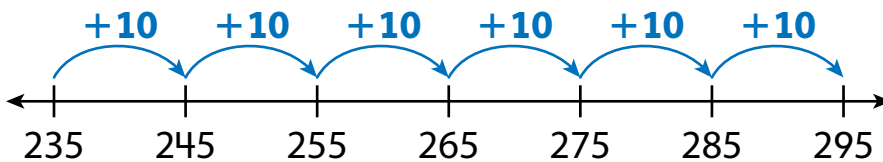**Tell your partner:** The strategy I used to find the answer was . . .

Explore different ways to understand skip-counting by fives, tens, and hundreds.

> **Luis is skip-counting by tens. He starts at 235. What are the next 6 numbers Luis writes?**

MODEL IT
You can use an open number line.

Start at 235. Skip-count by tens.

MODEL IT
You can use a number chart.

Circle **235**.

Then count 10 numbers to the right of 235. When you reach the end of a row, go to the next row. Circle the number where you stop counting.

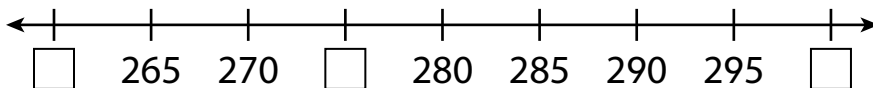Continue skip-counting by tens **5** more times.

201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230
231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250
251	252	253	254	255	256	257	258	259	260
261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288	289	290
291	292	293	294	295	296	297	298	299	300

APPLY IT

Use what you just learned to solve these problems.

6 Complete the forward and backward
skip-counting patterns.

a. 821, 831, 841, ... , ... , ...

b. 349, 449, 549, ... , ... , ...

c. 920, 915, 910, ... , ... , ...

d. 783, 773, ... , ... , 743, ... , ...

7 Sadie says when she starts skip-counting forward by
tens from 590, both the tens digit and the hundreds
digit change. Is Sadie correct? Explain.

8 Which numbers go in the squares on this number line?

⃝ 265   270   ⃝   280   285   290   295   ⃝
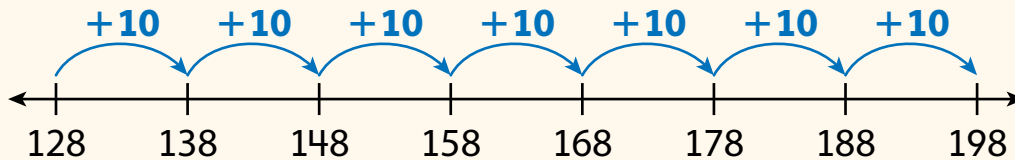
Ⓐ 255

Ⓑ 260

Ⓒ 275

Ⓓ 296

Ⓔ 300

Practice Skip-Counting by Fives, Tens, and Hundreds

Study the Example showing one way to use skip-counting by tens. Then solve problems 1–5.

EXAMPLE

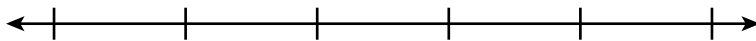Skip-count by tens from 128. What are the next 7 numbers?

You can use a number line to skip-count by tens.
Start at 128. Count by tens.

$$+10 \quad +10 \quad +10 \quad +10 \quad +10 \quad +10 \quad +10$$

128   138   148   158   168   178   188   198

The next 7 numbers are 138, 148, 158, 168, 178, 188, and 198.

Skip-count by fives from 140. What are the next 5 numbers?

1 Use the open number line to solve the problem.

2 What are the next 5 numbers?

3 Jamal uses this number chart to skip-count by tens.
Shade the next 3 numbers.

61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

4 Complete the skip-counting patterns.

a. 460, 560, 660, ..., ..., ...

b. 310, 305, 300, ..., ..., ...

5 Does each group of numbers show skip-counting
by fives, either forward or backward? Choose *Yes* or *No*.

	Yes	No
105, 110, 115, 120, 125, 130	Ⓐ	Ⓑ
355, 365, 375, 385, 395, 405	Ⓒ	Ⓓ
915, 925, 935, 945, 955, 965	Ⓔ	Ⓕ
285, 280, 275, 270, 265, 260	Ⓖ	Ⓗ