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Teaching Tips for Skip Counting by 10's and 2's

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Lesson 1: Skip Counting by 10's

The hundred's chart used by child/student has no color. The colored, hundred's chart illustrates the lesson for the teacher. I like to use Legos or Unifix cubes, which fit together to create a family of ten. The hundred's chart squares are large enough for each Unifix cube. Small Legos are another option.

Have the student divide manipulatives into groups of color. Then, have the child chose ten manipulatives of the same color. Lesson format:
1.I show and tell you what I am doing. (Count by tens and put a colored manipulative on a multiple of 10.)
2.You help me by telling me what number to put manipulative on.
3.I tell you what number to put manipulative on.
4.You tell me the number and put the manipulative on the number.

Check each student's hundred's chart for accuracy. The number under the first cube is? (0) Now, pick up the Unifix cube at the top to see if you are correct. Good job! OK, the next number is? (10) Lift up your cube. Are you correct? *Repeat until the class has reached 100.

Now by yourself, cover up numbers that are multiples of ten using your Unifix cubes. When you are done, raise your hand. After you check work, tell the student to color each square that is a multiple of ten. Have students put papers and Unifix cubes on an activity shelf or in a desk for independent practice. Together have students say:

Every number that is a multiple of ten ends in zero.

Hundreds Chart

0	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29
30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49
50	51	52	53	54	55	56	57	58	59
60	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									

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Lesson 2: Checking for Mastery
Skip Counting by 10's

Today, I am giving you a hundred's chart with no colors. Get your Unifix cubes. Let us say together the quote for counting by multiples of ten?

Every number that ends in zero is a multiple of ten.

Now, cover up numbers that are multiples of ten. Then, raise your hand for me to come check your work. While numbers are covered, ask each student to say multiples of ten. If unsure, they can pick up the Unifix cube to check for accuracy.

Hundreds Chart

0	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29
30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49
50	51	52	53	54	55	56	57	58	59
60	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									

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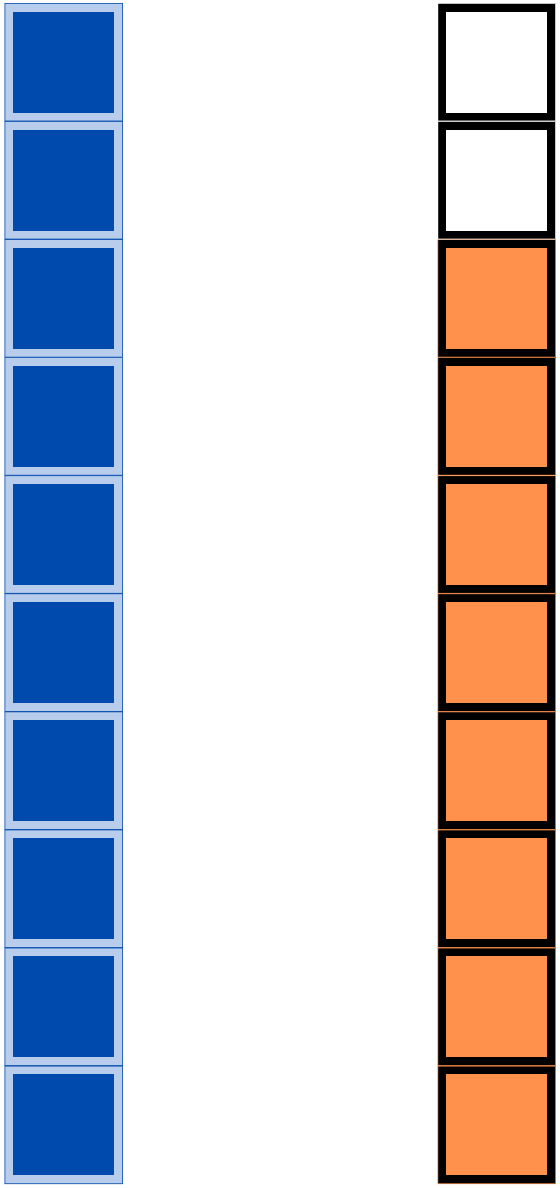
Algebra can begin in first grade. How many more orange squares do you need to equal the ten blue squares.



$$8 + \underline{X} = 10$$

$$-8 \qquad -8$$

$$0 \qquad 2$$

$$X = 2$$

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Lesson 3: Skip Counting by 2's

Pass out the hundred's charts. Today, we are skip counting by 2's, multiples of 2. – Say the number with me. Then, cover up the number with your Unifix cube.
Have the student choose a color.

Lesson format:
1.I show and tell you what I am doing. (Count by tens and put a colored manipulative on a multiple of 10.)
2.You help me by telling me what number to put manipulative on.
3.I tell you what number to put manipulative on.
4.You tell me the number and put the manipulative on the number.

Take a few minutes. Look at your chart and think about what you see. No talking. I want to know what is in your brain, not your classmate's brain. Walk around and check student's work. Ask, "Did anyone figure out the pattern?" You may need to help students recognize the pattern by asking questions. What number do you see in the one's place in the first column? (Point to each column.)

Every number that ends in 0, 2, 4, 6, & 8 is a multiple of 2.

Ok, say the number out loud before you take off your Unifix cubes. Once you have removed all Unifix cubes, color the pattern for skip counting by 2's.

Hundreds Chart

0	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29
30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49
50	51	52	53	54	55	56	57	58	59
60	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									

Every number that ends in 0, 2, 4, 6, & 8 is a multiple of 2.

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Lesson 4: Checking for Mastery
Skip Counting by 2's

Show the child how to put a color pattern together for skip counting by 2's without using a hundred's chart. If you have numerous students, students can build a very long line of Unifix cubes putting them on the ledge of a chalkboard or a long table. Then, students count by 2s. As you can see, there are no numbers or a hundred's chart. Mastery is reached when the child uses no visuals to skip count.