



The numbers we say when we skip-count by a number are **multiples** of that number.

For example, the numbers we use to skip-count by 11 are 11, 22, 33, 44, and so on.

These are all multiples of 11.

Look for patterns as you mark multiples of numbers in the hundred charts below.

You can print more hundred charts at BeastAcademy.com.

PRACTICE

Use the hundred chart below to answer the questions that follow.

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

29. Mark all multiples of 2 with a ☐. 29. _____
How many numbers in the 100 chart are multiples of 2?
30. Mark all multiples of 5 with a ☐. 30. _____
How many numbers in the 100 chart are multiples of 5?
31. Numbers that are multiples of both 2 and 5 are marked above with a ☒. List the ten numbers from the 100 chart that are multiples of both 2 and 5.
32. Complete this statement:
The numbers that are multiples of both 2 and 5 are the multiples of _____.
33. How many numbers in the 100 chart are **not** a multiple of 2 or of 5? 33. _____

PRACTICE

Use the hundred chart below to answer the questions that follow.

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

34. Mark all multiples of 8 with a ☐. 34. _____
How many numbers in the 100 chart are multiples of 8?
35. Mark all multiples of 3 with a ☐. 35. _____
How many numbers in the 100 chart are multiples of 3?
36. Numbers that are multiples of both 8 and 3 are marked above with a ☒. Name the four numbers in the 100 chart that are multiples of both 8 and 3. 36. _____

37. What is the smallest number over 100 that is a multiple of both 8 and 3? 37. _____
38. Complete this statement: 38. _____
The numbers that are multiples of both 8 and 3 are the multiples of _____.

PRACTICE

Use the hundred chart below to answer the questions that follow.

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

39. Mark all multiples of 4 with a ☐. 39. _____
How many numbers in the 100 chart are multiples of 4?
40. Mark all multiples of 6 with a ☐. 40. _____
How many numbers in the 100 chart are multiples of 6?
41. Numbers that are multiples of both 4 and 6 are marked above with a ☒. How many numbers in the 100 chart are multiples of both 4 and 6? 41. _____
42. Complete this statement: 42. _____
The numbers that are multiples of both 4 and 6 are the multiples of _____.
43. What number in the hundred chart is a multiple of 4, 6, and also 5? 43. _____

PRACTICE

Use the clues below and your work on the previous pages to figure out each little monster's number.

44. When Cammie colors the multiples of a number in her 100 chart, she colors exactly 10 numbers. What is Cammie's number? 44. _____
45. When Lizzie colors the multiples of a number in her 100 chart, she colors exactly 33 numbers, including 18, 33, and 90. What is Lizzie's number? 45. _____
46. When Ralph colors the multiples of a number in his 100 chart, he colors exactly two numbers in the 30's. He also colors 42. What is Ralph's number? 46. _____
47. When Alex colors the multiples of a number in his 100 chart, he colors exactly two numbers in the 20's, two numbers in the 30's, and two numbers in the 40's. What is Alex's number? 47. _____
48. When Winnie colors the multiples of a number in her 100 chart, she colors in exactly 8 numbers. What is Winnie's number? 48. _____

When we skip-count, we can begin from any number!

For example, we can skip-count by 5's, beginning at 3:

EXAMPLE

Continue the pattern below.

3, 8, 13, 18, __, __, __, __, __, __, ...

$\begin{array}{cccccccccccc} & +5 & +5 & +5 & +5 & +5 & +5 & +5 & +5 & +5 & +5 \\ \curvearrowright & \curvearrowright & \curvearrowright & \curvearrowright & \curvearrowright & \curvearrowright & \curvearrowright & \curvearrowright & \curvearrowright & \curvearrowright & \curvearrowright \\ 3, & 8, & 13, & 18, & \underline{23}, & \underline{28}, & \underline{33}, & \underline{38}, & \underline{43}, & \underline{48}, & \dots \end{array}$

PRACTICE

Fill in the blanks to continue each pattern below.

49. 1, 3, 5, 7, __, __, __, __, __, __, ...

50. 9, 17, 25, 33, __, __, __, __, __, __, ...

51. 4, 7, 10, 13, __, __, __, __, __, __, ...

52. 3, 7, 11, 15, __, __, __, __, __, __, ...

53. 5, 14, 23, 32, __, __, __, __, __, __, ...

54. 29, 36, 43, 50, __, __, __, __, __, __, ...

55. 98, 103, 108, 113, __, __, __, __, __, __, ...

PRACTICE

Some of the numbers in the patterns below have already been filled in. Complete each pattern.

56. 4, 8, _____, _____, _____, _____, 28, 32, _____, _____, ...

57. 5, _____, _____, _____, _____, _____, 35, 40, _____, _____, ...

58. _____, 12, 18, _____, _____, _____, 42, _____, ...

59. 73, _____, _____, _____, 81, 83, _____, _____, _____, ...

60. 5, 9, _____, _____, _____, _____, 29, _____, _____, ...

61. _____, _____, 21, _____, _____, _____, 49, _____, 63, ...



62. _____, _____, _____, 32, _____, _____, 56, _____, 72, ...



63. _____, 10, _____, _____, _____, 26, _____, _____, 38, ...



64. _____, _____, 36, _____, _____, 51, _____, _____, _____, 71, ...



In the mazes below, begin at the shaded number. Follow a skip-counting pattern to escape.
You may only move up, down, left, or right to the next number.

EXAMPLE | Escape this maze.

We begin at the shaded square and escape at the exit marked below the 29. We can move up, down, left or right.

If we move left to 11, we can continue skip-counting by 6's to escape the maze:

5, 11, 17, 23, 29, ...

This is our escape path!

If we had moved right to 9, we would have tried to continue skip-counting by 4's to escape the maze:

5, 9, 13, 17, ...

No square above, below, or beside 13 contains the number 17.

18	8	25	19
11	5	9	13
17	12	48	14
23	29	16	8

18	8	25	19
11	5	9	13
17	12	48	14
23	29	16	8

18	8	25	19
11	5	9	13
17	12	48	14
23	29	16	8

Watch out for tricky dead ends!



PRACTICE

Begin at the shaded number and escape each maze below.
There is only one escape path for each maze. Watch out for dead ends!

65.

20	30	21	3	18
16	23	28	33	38
13	18	11	15	17
8	3	6	14	16
7	4	9	12	14

66.

35	37	45	53	61
21	13	24	35	69
5	16	56	46	77
21	79	68	57	85
101	90	43	62	90

67.

24	20	25	5	18
23	16	9	2	10
42	38	11	6	26
52	34	16	10	14
15	30	26	22	18

68.

10	12	14	15	18
8	6	9	12	21
4	7	14	25	24
2	8	17	30	27
12	9	15	33	32