## **Numbers in Columns**

Counting numbers are arranged in five columns: A, B, C, D and E.

Α	В	С	D	Е
1	2	3	4	5
10	9	8	7	6
11	12	13	14	15
			17	16

1 In which column will 75 appear?

Answer: \_\_\_\_

- 2 In which column will you find:
  - (a) 34? \_\_\_\_\_
  - **(b)** 61? \_\_\_\_\_
  - (c) 87? \_\_\_\_\_
  - (d) 92? \_\_\_\_\_
  - (e) 108?\_\_\_\_\_

- 3 In which row will you find:
  - (a) 34? \_\_\_\_\_
  - **(b)** 61? \_\_\_\_\_
  - (c) 87? \_\_\_\_\_
  - (d) 92? \_\_\_\_\_
  - (e) 108?\_\_\_\_\_
- 4 Can you identify and describe a pattern for the rows and columns to help you find where any number would be?

Answer: \_\_\_\_\_

The arrangement of counting numbers is changed to the following:

Α	В	С	D	Е
1		2		3
	5		4	
6		7		8
	10		9	
11				

**5** Can you describe a pattern for the columns to help you find numbers in this arrangement?

Answer: \_\_\_\_\_

6 Do any of the numbers appear in the same column as they were in the first table?

Only numbers with 4 and 1 in their ones place are in the same columns as they were in the first table.

same column.

Answers will vary. For example, each ones place value amount is repeated in the same column. With the rows, numbers with the same tens place value appear in rows of threes, overlapping with the previous tens place value. Answer will again vary. For example, each ones place value amount is repeated in the

108 is in Row 22.

110 ÷ 2 = 55

92 is in Row 19. **(e)** 108 is in the same row as 110.

 $6l = 9 \div 96$ 

(d) 92 is in the same row as 95.

Answer:

.81 woA ni si 78

(c) 87 is in the same row as 90.  $90 \div 5 = 18$ 

.51 woA ni si 13.

El = S ÷ S9

34 is in Row 7. (b) 61 is in the same row as 65.

7 = 3 ÷ 38

.35 as wor eame saft ni si 46 (a) 45.

(a) □ (b) A (c) □ (d) B (e) C

Ending in 5 or 6 → Column E

□ mmulo⊃ ← 7 no 4 ni gnibn∃

Ending in 2 or 9  $\rightarrow$  Column B Ending in 3 or 8  $\rightarrow$  Column C

Column E. All numbers ending in 1 or 0  $\rightarrow$  Column A

I Numbers ending in 5 will always appear in

Answers: