

Name _____

Date _____

1. a. Skip-count by nines down from 90.

90, , 72, , , , 36, , ,

- b. Look at the **tens** place in the count-by. What is the pattern?

- c. Look at the ones place in the count-by. What is the pattern?

2. Each number sentence contains a letter representing the unknown. Find the value of each unknown.

$$a \times 9 = 18$$

$$a = \underline{\quad}$$

$$m \div 9 = 3$$

$$m = \underline{\quad}$$

$$e \times 9 = 45$$

$$e = \underline{\quad}$$

$$f \div 9 = 4$$

$$f = \underline{\quad}$$

$$9 \times d = 81$$

$$d = \underline{\quad}$$

$$w \div 9 = 6$$

$$w = \underline{\quad}$$

$$9 \times s = 90$$

$$s = \underline{\quad}$$

$$k \div 9 = 8$$

$$k = \underline{\quad}$$

3. Solve.

- a. What is 10 more than 0? _____
What is 1 less? _____
 $1 \times 9 =$ _____
- b. What is 10 more than 9? _____
What is 1 less? _____
 $2 \times 9 =$ _____
- c. What is 10 more than 18? _____
What is 1 less? _____
 $3 \times 9 =$ _____

- d. 10 more than 27? _____
What is 1 less? _____
 $4 \times 9 =$ _____
- e. What is 10 more than 36? _____
What is 1 less? _____
 $5 \times 9 =$ _____
- f. What is 10 more than 45? _____
What is 1 less? _____
 $6 \times 9 =$ _____

- g. What is 10 more than 54? _____
What is 1 less? _____
 $7 \times 9 =$ _____
- h. What is 10 more than 63? _____
What is 1 less? _____
 $8 \times 9 =$ _____
- i. What is 10 more than 72? _____
What is 1 less? _____
 $9 \times 9 =$ _____

- j. What is 10 more than 81? _____
What is 1 less? _____
 $10 \times 9 =$ _____

4. Explain the pattern in Problem 2 and use the pattern to find the next 3 facts.

$11 \times 9 =$ _____

$12 \times 9 =$ _____

$13 \times 9 =$ _____