

# Identifying Patterns

① Complete.

in	out
2	18
	27
4	
	45
6	

Rule:  $\times 9$

What patterns do you see?

---



---



---



---

② Complete.



in	out
11	22
	33
33	
	55
55	

Rule:  $+ 11$

What patterns do you see?

---



---

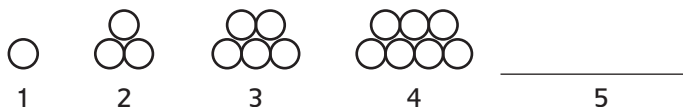


---



---

③ Study the pattern.



a. Draw the next step in the pattern. What patterns do you notice?

---



---

b. How many circles will be in the 6th step? \_\_\_\_\_ In the 10th step? \_\_\_\_\_

c. How did you figure out how many circles will be in the 10th step?

---



---

## Practice

④  $800,000 + 90 =$  \_\_\_\_\_

⑤  $200,000 + 50,000 + 4 =$  \_\_\_\_\_