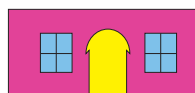
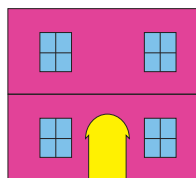
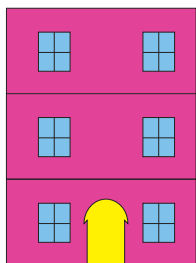
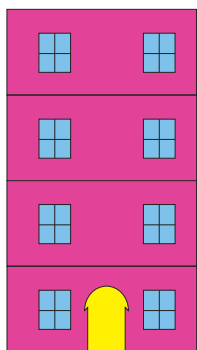
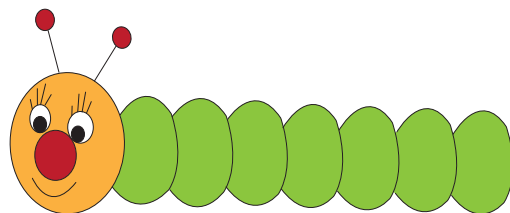
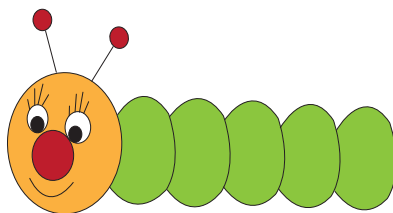
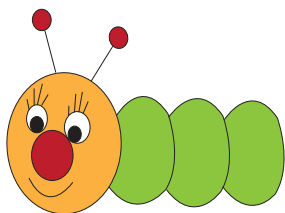
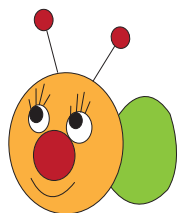
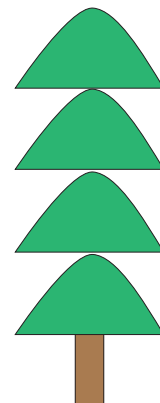
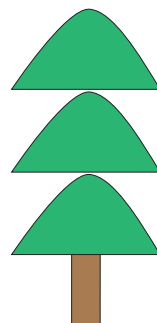
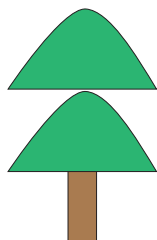
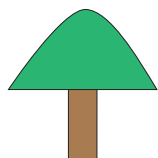


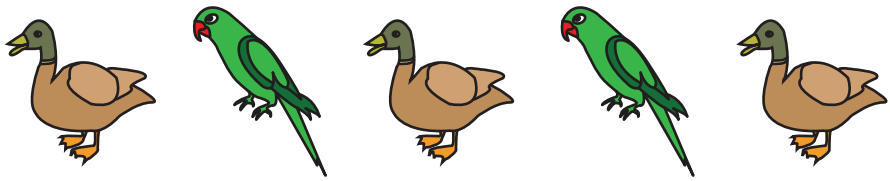
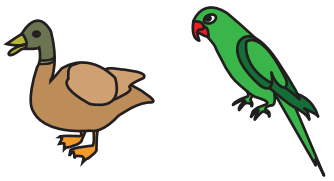
# Patterns


4<sup>TH</sup>  
GRADE

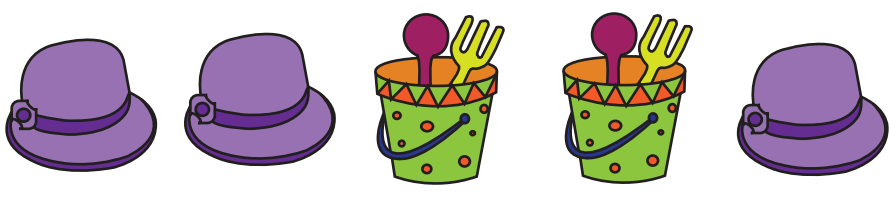
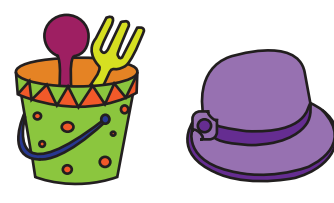




# Repeating Pattern

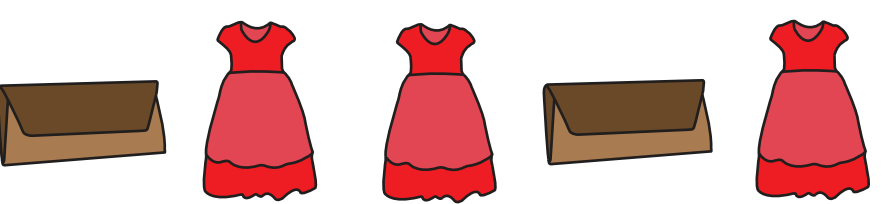
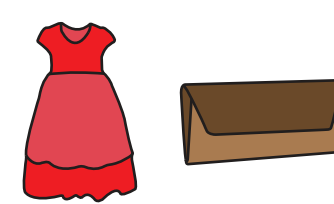
Circle the picture that comes next in each picture pattern.

1)  

2)  

3)  

4)  

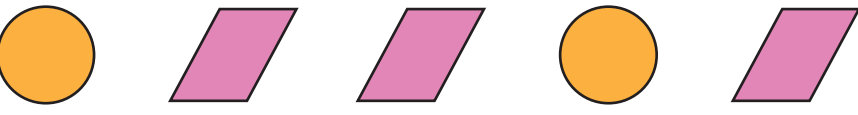
5)  

# Growing & Repeating Pattern

Draw the picture that comes next in each pattern.

1  \_\_\_\_\_

2  \_\_\_\_\_

3  \_\_\_\_\_

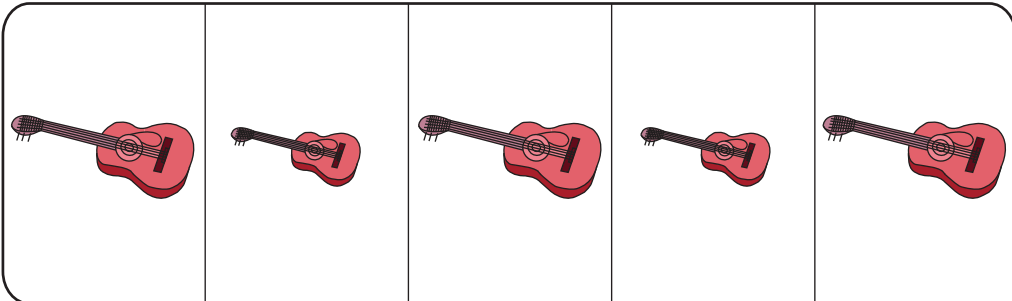
4  \_\_\_\_\_

5  \_\_\_\_\_

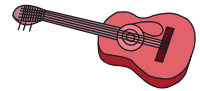
# Identifying Size Pattern

Circle the correct size that goes next in each pattern.

1)



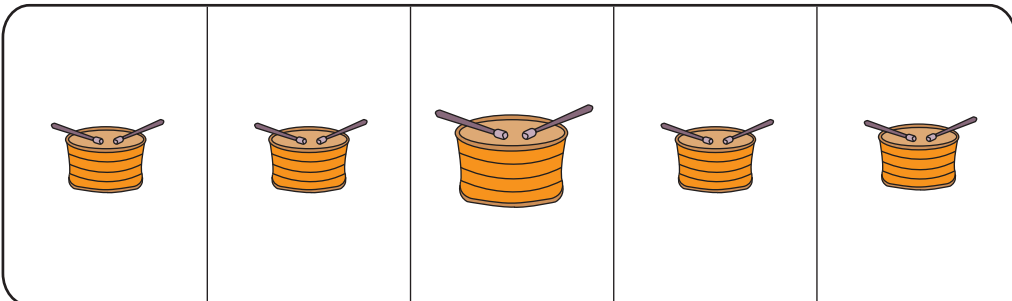
a)



b)



2)



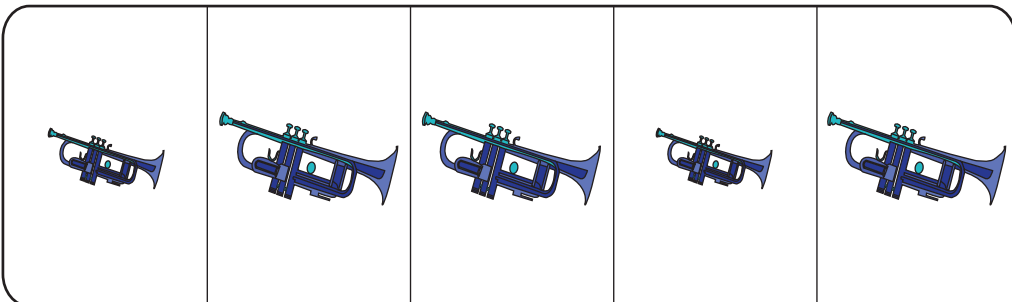
a)



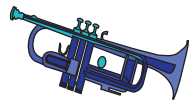
b)



3)



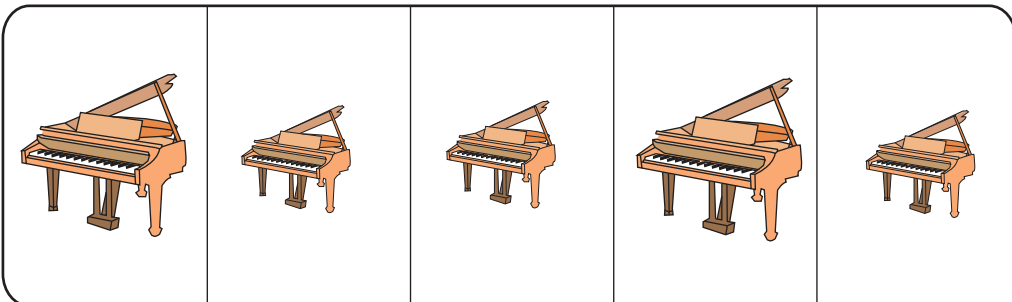
a)



b)



4)



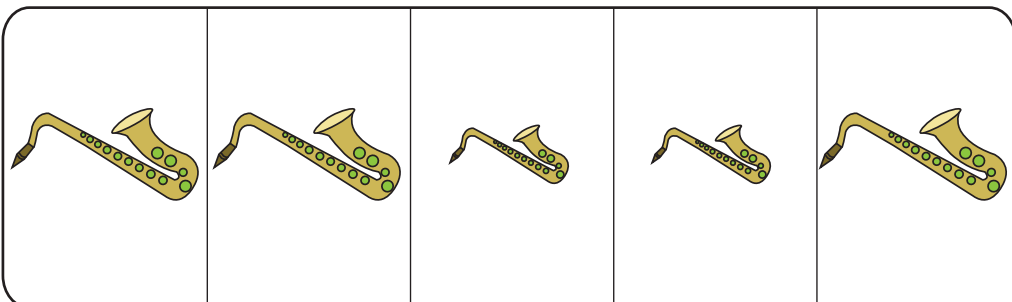
a)



b)



5)



a)

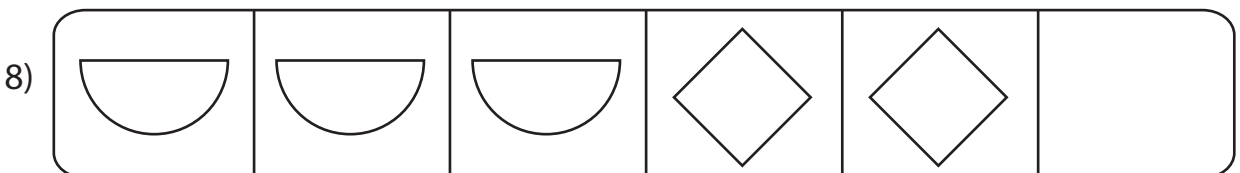
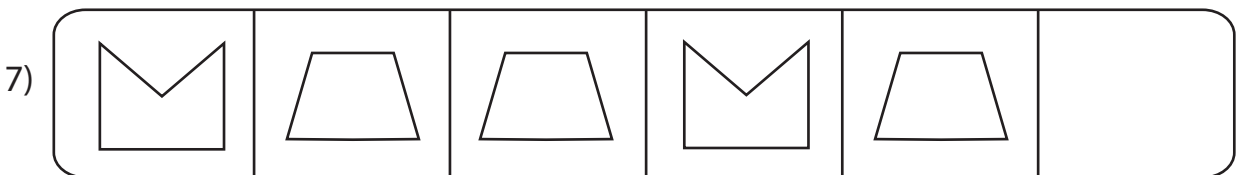
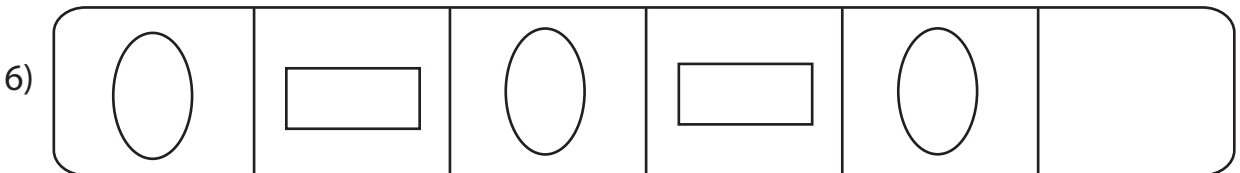
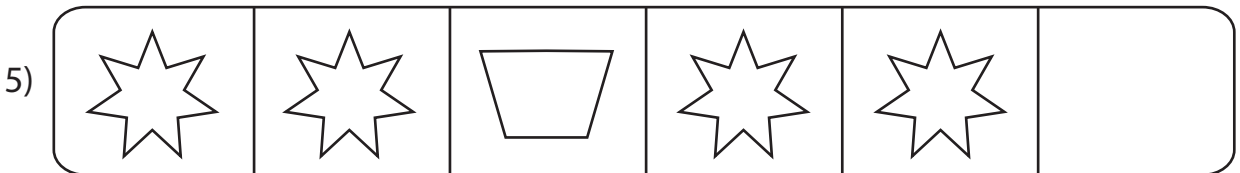
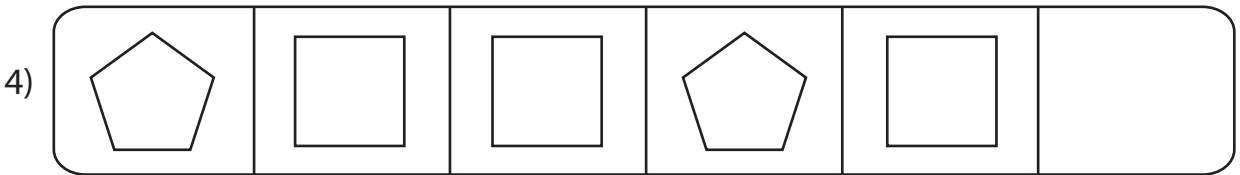
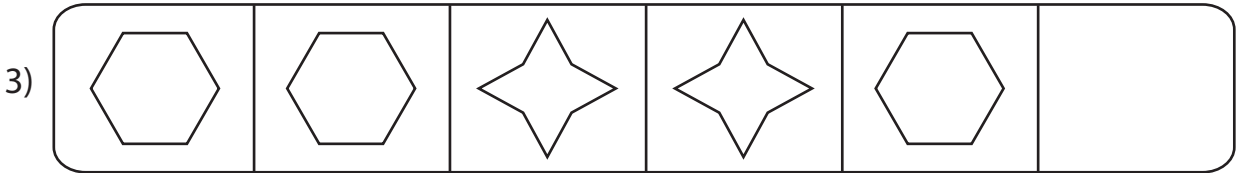
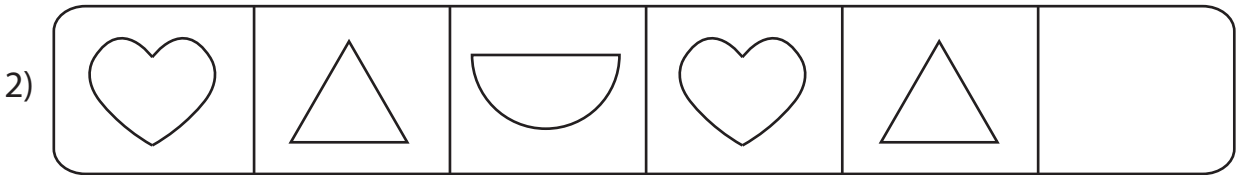
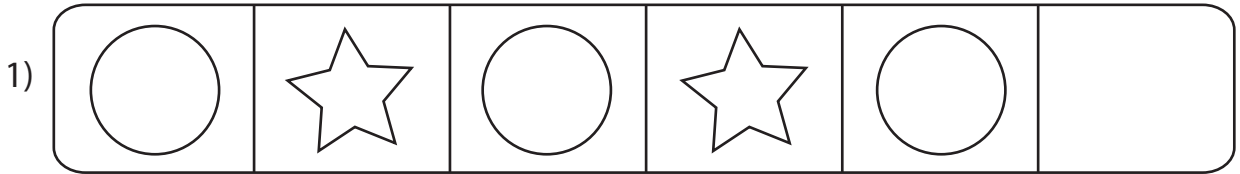


b)



# Identifying Shape Pattern

Complete the shape pattern.



Pages 5 to 11 are available only for members.

Subscribe to unlock 200+ math  
workbooks and 40,000+ worksheets  
in all subjects.

Scroll down for additional free pages.

## Writing Rules

Look at the numbers. Write the rule describing each pattern.

1) 12, 15, 18, 21, 24, 27, 30, 33

**Start at 12. Add 3 each time.**

---

2) 45, 40, 35, 30, 25, 20, 15, 10

---

3) 6, 8, 10, 12, 14, 16, 18, 20

---

4) 20, 30, 40, 50, 60, 70, 80, 90

---

5) 56, 49, 42, 35, 28, 21, 14, 7

---

6) 11, 22, 33, 44, 55, 66, 77, 88

---

7) 81, 72, 63, 54, 45, 36, 27, 18

---

8) 15, 19, 23, 27, 31, 35, 39, 43

---

9) 65, 62, 59, 56, 53, 50, 47, 44

---

## Geometric Pattern

Identify the number pattern and fill in the missing numbers.

①

2	4	8	16	
---	---	---	----	--

②

162	54	18	6	
-----	----	----	---	--

③

5	10	20	40	
---	----	----	----	--

④

324	108	36	12	
-----	-----	----	----	--

⑤

7	21	63	189	
---	----	----	-----	--

⑥

486	162	54	18	
-----	-----	----	----	--



## Two-Rule Pattern

Identify the number pattern and fill in the missing numbers.

1) 

2	5	3	6	4					
---	---	---	---	---	--	--	--	--	--

2) 

23	24	26	27	29					
----	----	----	----	----	--	--	--	--	--

3) 

14	11	13	10	12					
----	----	----	----	----	--	--	--	--	--

4) 

2	6	7	11	12					
---	---	---	----	----	--	--	--	--	--

5) 

11	13	16	18	21					
----	----	----	----	----	--	--	--	--	--

6) 

1	2	8	9	15					
---	---	---	---	----	--	--	--	--	--

7) 

4	9	13	18	22					
---	---	----	----	----	--	--	--	--	--

8) 

3	5	9	11	15					
---	---	---	----	----	--	--	--	--	--

9) 

12	10	15	13	18					
----	----	----	----	----	--	--	--	--	--

10) 

8	12	13	17	18					
---	----	----	----	----	--	--	--	--	--

## Identifying Number Sequence

Identify the number pattern and fill in the missing numbers.

1) 

2	3	5	8	12					
---	---	---	---	----	--	--	--	--	--

2) 

5	7	11	17	25					
---	---	----	----	----	--	--	--	--	--

3) 

48	47	45	42	38					
----	----	----	----	----	--	--	--	--	--

4) 

101	90	80	71	63					
-----	----	----	----	----	--	--	--	--	--

5) 

3	7	12	18	25					
---	---	----	----	----	--	--	--	--	--

6) 

79	77	74	70	65					
----	----	----	----	----	--	--	--	--	--

7) 

8	9	11	14	18					
---	---	----	----	----	--	--	--	--	--

8) 

65	62	58	53	47					
----	----	----	----	----	--	--	--	--	--

9) 

9	13	18	24	31					
---	----	----	----	----	--	--	--	--	--

10) 

13	14	16	19	23					
----	----	----	----	----	--	--	--	--	--