

	Chapter 7: Patterns with Numbers and Shapes	Name :			
		Grade :	3		
		Subject :	Math		
		Date :			
Sequence of Teaching ☒ Assessment ☐ Independent Practice		Marks	Score	Teacher's Signature	Parent's Signature
		33			

1. Count on or count back in 1s.

a)

202	203	204				
-----	-----	-----	--	--	--	--

b)

495	496	497	498					
-----	-----	-----	-----	--	--	--	--	--

c)

				916	917	918
--	--	--	--	-----	-----	-----

d)

					542	543	544	545
--	--	--	--	--	-----	-----	-----	-----

[4]

2. Fill in each blank.

a)

210	220	?	240	250	260	270	?
-----	-----	---	-----	-----	-----	-----	---

↑

10 less than
240 is _____.

↑

10 more than
270 is _____.

b)

385	395	?	415	425	435	?	455
-----	-----	---	-----	-----	-----	---	-----

↑

10 more than
395 is _____.

↑

10 less than
455 is _____.

[1]

[1]

3. Fill in each blank.

a)

?	200	300	400	500	?	700	800
---	-----	-----	-----	-----	---	-----	-----

100 less than
200 is _____.

100 more than
500 is _____.

[1]

b)

?	160	260	360	460	560	?	760
---	-----	-----	-----	-----	-----	---	-----

100 less than 160 is _____.

100 more than 560 is _____.

[1]

4. Here is part of a number sequence.

95 105 125 135

The sequence continues in the same way.

Write the correct number in each box.

[1]

5. Here is part of a sequence.

The sequence continues in the same way.

Write down the next two terms in the sequence.

545 535 525 515

[1]

6. Here are the first four numbers in a sequence.

 $2, 7, 12, 17, \dots$

The sequence continues in the same way.

Write down the 12th term in the sequence.

[1]

7. Here is part of a number sequence.

22, 25, 28, ...

The sequence continues in the same way.

Write the first number in the sequence that is greater than 50

[1]

8. Complete the pattern.

Write down the term-to-term rule.

a) 357, 307, 257, _____, _____, _____

The term-to-term rule is to _____.

[2]

b) 675, 677, 679, _____, _____, _____

The term-to-term rule is to _____.

[2]

c) 123, 173, 223, _____, _____, _____

The term-to-term rule is to _____.

[2]

d) 565, 545, 525, _____, _____, _____

The term-to-term rule is to _____.

[2]

e) 999, 990, 881, _____, _____, _____

The term-to-term rule is to _____.

[2]

9. Phill is practicing basketball.

He follows a pattern when he bounces the ball before throwing it into the hoop.

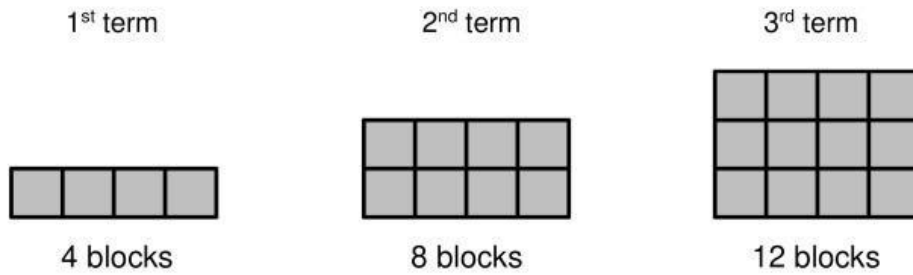
	Round 1	Round 2	Round 3	Round 4
Number of bounces	1	4	7	10

Phil practises 5 rounds.

How many times does he bounce the ball in all?

[2]

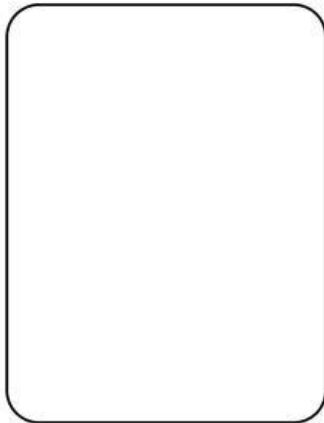
10. Angie used blocks to make a pattern.



a) How many blocks in all will she use for the 5th term? _____

[1]

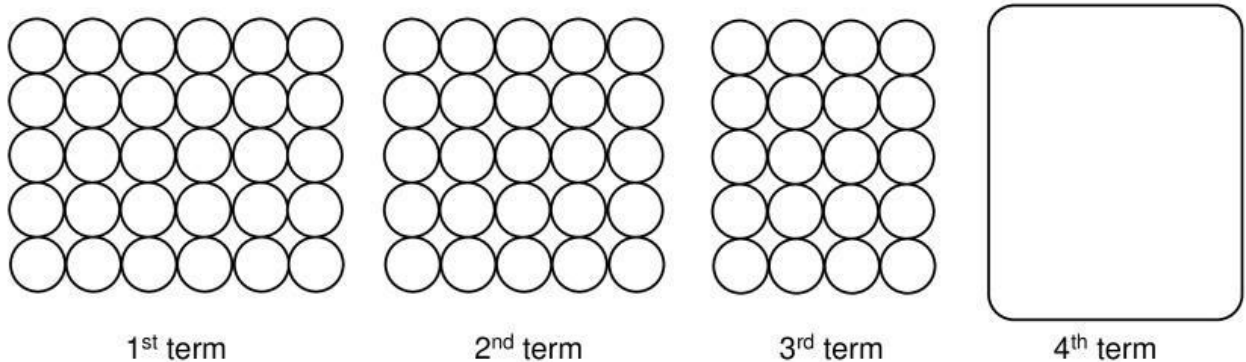
b) Draw to show what the blocks will look like for 5th term.



[1]

11.

a) Draw the 4th term.



[1]

b) Complete the table

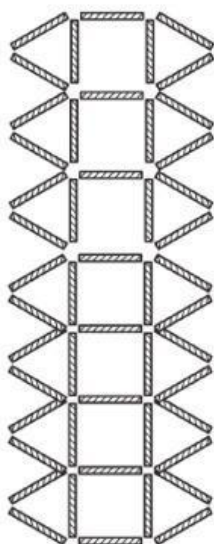
Term	1 st	2 nd	3 rd	4 th	5 th	6 th
Number of circles						

[1]

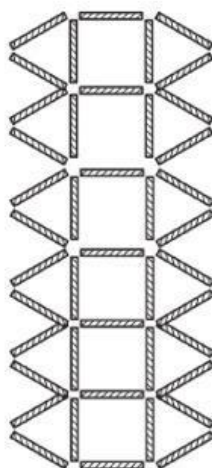
c) I can continue the pattern by _____ circles from the previous term.

[1]

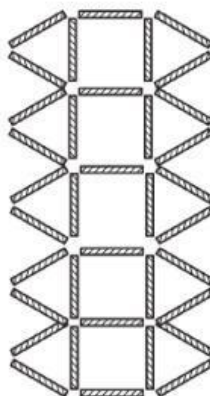
11. Look at the pattern bellow



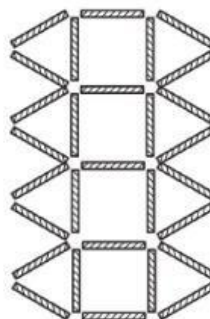
1st term



2nd term



3rd term



4th term

a) Complete the table.

Term	1 st	2 nd	3 rd	4 th	5 th
Number of sticks					

[1]

b) Draw the 5th term.



[1]

c) I can continue the pattern by _____ sticks from the previous term.

[1]

d) There are _____ sticks in the 7th term.

[1]

Teacher's Feedback	Parent's Comment