

 ICM INSAN CENDEKIA MADANI	Chapter 7: Patterns with Numbers and Shapes	Name :			
		Grade :	3		
		Subject :	Math		
		Date :			
Sequence of Teaching		Marks	Score	Teacher's Signature	Parent's Signature
☒ Assessment ☐ Independent Practice		30			

1. Count on or count back

a)

495	496	497	498					
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b)

					725	735	745	755
--	--	--	--	--	-----	-----	-----	-----

c)

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

[3]

2. Fill in each blank.

a)

705	710	715	720	?	730	?	740
-----	-----	-----	-----	---	-----	---	-----

5 more than
720 is _____.

5 less than
740 is _____.

[1]

b)

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

10 less than
240 is _____.

10 more than
270 is _____.

[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.

85 95 115 125

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.

345	335	325	315		
-----	-----	-----	-----	--	--

[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, 27, 32, 37, ...

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

The term-to-term rule is to _____.

[2]

b) 829, 729, 629, _____, _____, _____

The term-to-term rule is to _____.

[2]

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

The term-to-term rule is to _____.

[2]

d) 999, 990, 881, _____, _____, _____

The term-to-term rule is to _____.

[2]

9. Ted is practicing basketball.

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

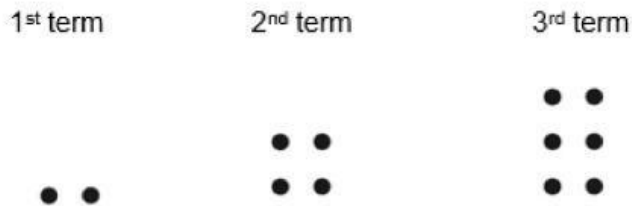
	Round 1	Round 2	Round 3	Round 4
Number of bounces	1	3	6	9

Ted practises 5 rounds.

How many times does he bounce the ball in all?

[2]

10. Rebecca makes a pattern with dots.
She uses two dots for the first pattern.



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

[1]

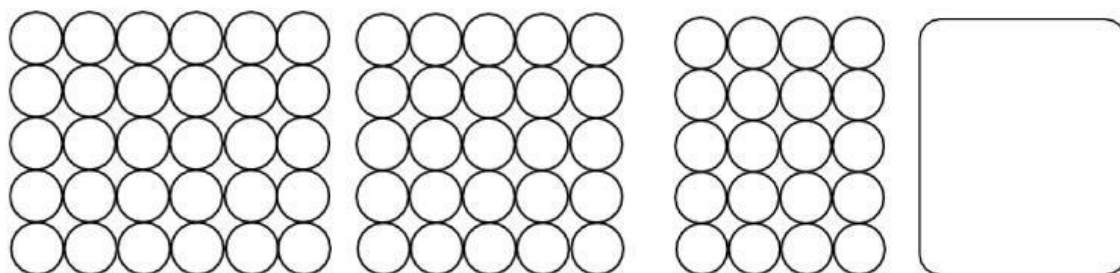
b) Draw to show what dots will look like for the 5th term.



[1]

11. Look at the pattern bellow

a) Draw the 4th term



1st term

2nd term

3rd term

4th term

[1]

b) Complete the table

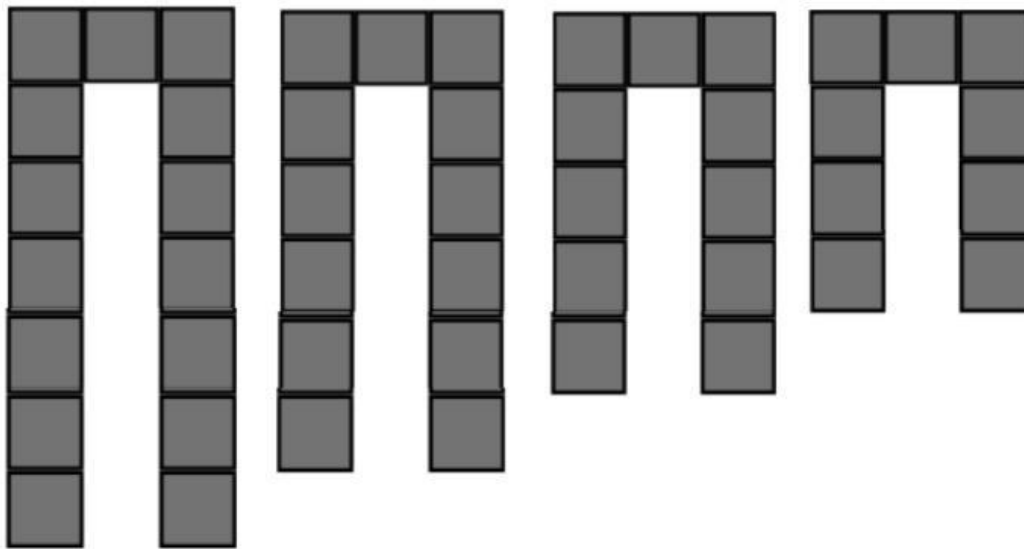
Term	1st	2nd	3rd	4th	5th	6th
Number of circles						

[1]

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

[1]

12. Look at the pattern bellow!



1st term

2nd term

3rd term

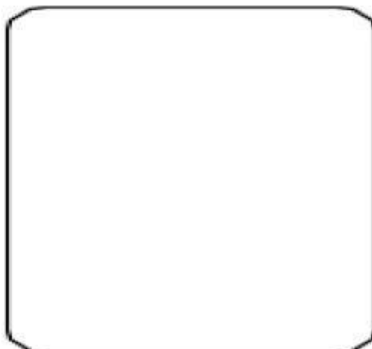
4th term

a) Complete the table.

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

[1]

b) Draw the 5th term.



[1]

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

[1]

d) There are _____ blocks in the 6th term.

[1]

Teacher's Feedback	Parent's Comment