

PM SHRI KENDRIYA VIDYALAYA RAJOURI
HOLIDAY HOME WORK
SESSION (2026-27)

ENGLISH:-

Read _Unit 1: Fables and Folk Tales. Pick your favorite story and change its ending.
What did you learn from the story?

2. *Vocabulary Garden*

Make a "Word Flower" chart. From Units 1 & 2, pick 10 new words. Write the word in the center, and petals showing: meaning, sentence, synonym, antonym.

3. *Creative Poster*

A Bottle of Dew teaches kindness. Design an A4 poster on "Small Acts, Big Change" with a slogan and 5 examples from your life.

4. *Grammar Practice*

Write an 80-word paragraph "My Holiday Routine" using 5 types of nouns, 5 adjectives, and 3 prepositions. Underline them.

Hindi:-

मेरी शब्द-पेटी: प्रतिदिन घर में बोली जाने वाली वस्तुओं के 2 नए नाम सुंदर अक्षरों में एक कार्ड पर लिखें। (कुल 40 दिन = 80 शब्द)।

पक्षियों की मदद: भीषण गर्मी में पक्षियों के लिए किसी बर्तन में पानी रखें और एक सप्ताह तक उनके व्यवहार को देखकर 5 वाक्य लिखें।

रचनात्मक कार्य: 'चिड़िया' से सम्बंधित किसी कविता को पढ़ें एवं उसके आधार पर एक सुंदर रंगीन चिड़िया का चित्र बनाकर उसका नामकरण करें।

Sanskrit:-

संस्कृतम् (Sanskrit)

मम परिचय: स्व-परिचयस्य (अपना परिचय) पञ्च वाक्यानि लिखत। (यथा- मम नाम..., मम पितुः नाम...)|

चित्र-कोश: स्व-गृहे स्थितानां पञ्च वस्तूनि चित्रेण सह लिखत (यथा- चषकः (Glass), उत्पीठिका (Table))।

गायनम्: 'शब्दपरिचयः' पाठस्य आधारेण कस्यचित् एकस्य श्लोकस्य सस्वर वाचनं कृत्वा कण्ठस्थं कुरुत।

Science :-

1) Prepare a diet chart to provide a balanced diet of your parents. The diet chart should include food items that are not expensive and are commonly available.

2) write about one Indian scientist or a wildlife biologist who is working towards protection of India's biodiversity.

Prepare a brief report.

3) The Wonder: How fast does the "Invisible World" grow?

The Task: Take two small pieces of bread. Put one in a plastic bag with a few drops of water, and leave the other one completely dry in a separate bag.

The Activity: Check them every day for 4 days (but do not open the bags!).

Observation: Which one grows "fuzz" first?

Deliverable: A "Microbe Diary." Draw the mold spots as they grow and prepare a report.

4) Various planets in our Solar System are at different distances From the Sun. Search the Internet and make a table with The planets, their distances from the Sun (in increasing Order) and their temperatures written. Does the average Temperature of planets decrease as their distance from the Sun increases? If it is not true for any planet, find out for which planet and why. Make a report of it with proper diagrams.

5) Find out if the increasing light pollution is causing problems for humans, wildlife and the environment. Write an action that you would take at the personal level to control light pollution.. write report on it with suitable diagrams

6) Rainwater harvesting is an age-old practice in India. Find Out some of the traditional rainwater harvesting techniques Being used in your state or in other parts of the country. Write a good report on it.

Instructions : Make diagrams and charts where ever necessary

Social science:-

☐ 1. Locating Places on the Earth

☐ Creative Project: *‘‘My Mini World Map’’*

* Draw a world map on chart paper

* Mark:

* Equator, Tropic of Cancer, Tropic of Capricorn

* Prime Meridian

* *India*

* Use colors and symbols (☐ for oceans, ☐ for mountains)

Activity: *Latitude–Longitude Game*

* Draw a grid like a map

* Write coordinates (like 20°N, 80°E)

* Ask friends to guess the place

* Make a **globe using a ball**

* Draw lines of latitude and longitude with sketch pens

☐☐☐☐ 2. Family and Community

☐ Creative Project: *‘‘My Family Tree’’*

* Draw a tree and paste pictures or write names of:

* Grandparents

* Parents

* Siblings

* Use colors and labels

Activity: *Community Collage*

* Collect pictures of:

* School

* Hospital

- * Market
- * Paste and label them as parts of a community

□ “My Dream Society Map”

- * Draw a map of your dream place
 - * Roads, houses, school, hospital
 - * Use directions (North, South, etc.)

Vocational Education:-

Instructions:

- Do all work neatly in A4 pages.
- Attach/draw pictures wherever possible.
- Focus on doing activities yourself.
- Submit in the first week after vacation.

PART A – BASIC UNDERSTANDING

Q1. Answer briefly:

1. What is vocational education?
2. What do you mean by dignity of labour?
3. Why should we respect all types of work?

PART B – MAIN PRACTICAL WORK

Activity 1: My Dream Profession

- Describe your dream job.
- Write why you like it and what are the skills required.

Activity 2: Help at Home

Make a kitchen garden or cook without fire and describe it in a given format.

Date | Work Done | What I Learned

Activity 3: Occupation Survey: Survey at least 5 occupations and prepare a report as:

Name of work | Tools Used | Skills Needed | How they help us

Activity 4: Seed Collection

Collect 3 seeds and write details about their sowing method and season.

Activity 5: Compost Making

Write materials used in compost making and explain the process of making it.

Activity 6: Tinker Cad

Explore 3D designing & printing in tinkercad. Draw a perfect diagram on paper with the exact measurement which you would like to get printed in ATL.

Final Reflection

Write what you learned from these activities.

Physical Education:-

Written Work (Long Answer):

Write a detailed answer (100–120 words):

“Importance of Exercise and Yoga in Daily Life”

→ Include benefits for body, mind, and health.

☐ Yoga Practical:

Practice daily:

Tadasana

Vrikshasana

Bhujangasana

Deep Breathing (5 minutes)

☐ After practice, write your experience (5–6 lines daily for 7 days):

How did you feel?

Was it easy or difficult?

□ Activity Task:

Maintain a Yoga + Exercise Diary (7 days) with:

Date

Activities done

Time spent

Energy level (Low/Medium/High)

MUSIC:-

Identify sounds and differentiate between::

ध्वनियों को पहचानें तथा इनमें अंतर समझें:

Tat Vadya तत वाद्य

Ghan Vadya घन वाद्य

Tantra Vadya तंत्र वाद्य

Sushir Vadya सुषिर वाद्य

Make a chart on these categories.

Make your own musical instrument and identify its category.

Play it and make a proper video explaining your invention.

Learn the National Song – Vande Mataram.

इन पर एक चार्ट बनाइए।

अपना स्वयं का वाद्य यंत्र बनाइए और बताइए कि वह किस श्रेणी में आता है।

उसे बजाकर अपने आविष्कार का विवरण देते हुए वीडियो बनाइए।

राष्ट्रीय गीत - वंदे मातरम् सीखें।

AI

Read chapter -1 Artificial intelligence again by yourself and complete the given assignment.

Q1. What is artificial intelligence?

Q2. Give some real life examples of artificial intelligence

Q3. Differentiate between machine intelligence and human intelligence.

PM SHRI KENDRIYA VIDYALAYA, BSF CAMPUS RAJOURI

HOLIDAY HOMEWORK (2026-27)

SUBJECT: MATHEMATICS

CLASS : VI

WEEK 1	
Q1	Write the place value of 4 in 3487. 1. Fill in the blanks. (Multiplication by 10s, 100s and 1000s) a. $3 \times 10 = \underline{\hspace{1cm}}$ b. $65 \times 100 = \underline{\hspace{1cm}}$ c. $84 \times 1000 = \underline{\hspace{1cm}}$
Q2	Find the product a. 25×34 b. 50×18
Q3	Name the figure. (VSA) a. All the four angles are right angles but all the sides are not equal: <u> </u> b. All the four sides are equal but all the four angles are not equal: <u> </u> c. The opposite angles are equal but the sides do not make right angle: <u> </u>
Q4	Draw the following: a. Square b. Rectangle c. Triangle d. Parallelogram e. Rhombus f. Scalene Triangle g. Equilateral Triangle h. Isosceles Triangle
Q5	Draw a circle and label the following: Centre, Radius, Diameter, Circumference
Q6	Divide: a. $320 \div 15 = \underline{\hspace{1cm}}$ b. $440 \div 22 = \underline{\hspace{1cm}}$ c. $210 \div 2 = \underline{\hspace{1cm}}$
Q7	Name and draw any two English Alphabets that have: a) Only horizontal line of symmetry <u> </u> b) Only vertical line of symmetry <u> </u> c) Both horizontal and vertical line of symmetry <u> </u>
Q8	Which of the following is incorrect? a) 1 lakh = 1 million b) 1 crore = 10 million c) 10 crore = 100 million d) 1 lakh = 100 thousand
Q9	Compare and fill in the box: CMLXV DCCCLXXI a) > b) < c) = d) Can't be determined
Q10	Compare the given numbers and assign appropriate symbols (< , > , =): 1. 2,304,908 <u> </u> 2,340,908 2. 7,827,311 <u> </u> 7,827,311 3. 8,973,647 <u> </u> 8,973,637 4. 1,423,233 <u> </u> 3,423,233

WEEK 2

Q11 The table shows the number of visitors who visit the zoo in the last four years:

Year	No. of Visitors
2016	2,33,310
2017	2,33,120
2018	2,33,115
2019	2,33,390

Answer the following questions:

1. Arrange the number of visitors in ascending order.
2. Arrange the number of visitors in descending order.
3. Which year has the highest visitors?
4. Which year has the lowest visitors?

Q12 **Case Study: Toy Factory Production** — A toy factory produced toys in one week:
Monday = 1,240 toys
Tuesday = 1,365 toys
Wednesday = 1,195 toys

Questions:

1. On which day were the maximum toys produced?
2. How many toys were produced in total?
3. Which day's number is closest to 1,200?
4. Find the difference between Tuesday and Wednesday production.
5. Round 1,365 to the nearest hundred.

Q13 Write the standard form of the numbers:

- a) $2000 + 100 + 80 + 5 = \underline{\hspace{2cm}}$
- b) $3000 + 400 + 70 + 1 = \underline{\hspace{2cm}}$
- c) $8000 + 80 + 9 = \underline{\hspace{2cm}}$
- d) $5000 + 700 + 20 + 5 = \underline{\hspace{2cm}}$
- e) $4000 + 600 + 0 = \underline{\hspace{2cm}}$
- f) $6000 + 0 + 70 + 0 = \underline{\hspace{2cm}}$

Q14 The cost of sarees at a store are listed below. Answer the questions:

Saree 1	Saree 2	Saree 3	Saree 4
₹ 25,907	₹ 97,463	₹ 54,768	₹ 25,879

- a. Revanth wanted to buy the cheapest saree. Arrange the sarees in ascending order of their costs.
- b. What is the approximate cost of each saree? Round off to the nearest 1000.

Q15 Answer the following:

1. If you begin at 54,546 and skip count backward alternately by 100 and 1000, which number do you get to after 11 skips?
2. 504558 = _____ ten thousands + _____ ones

	3. Form the largest 5-digit number that has 5 in its tens place and its value is less than 80,000.
Q16	Case Study: Riya's Book Collection Riya loves reading books. She counted the number of books in her home library. Story books = 2,345 Science books = 1,875 History books = 1,240 Questions: - How many books does Riya have in total? - Which type of book is the least in number? - Arrange the numbers 2,345; 1,875; 1,240 in ascending order. - What is the place value of 3 in the number 2,345? - If Riya buys 155 more books, what will be the new total?
Q17	What is the least common multiple (L.C.M) of 5, 4 and 16 by using prime factorization method?
Q18	Fill in the blanks: I am a multiple of 7. I am less than 70. My tens digit is double of my ones digit. I am the number _____.
Q19	Kirti is making identical balloon bunches for a party. She has 24 white balloons and 16 orange balloons. She wants each bunch to have the same number of balloons of each colour. What is the greatest number of bunches she can make if she uses every balloon?
Q20	- There are three students of class 4 each with step distance of 8 cm, 16 cm & 40 cm in a race. Find the minimum distance they need to take to reach the same distance from the start line. - The capacity of three beakers are 8L, 16L and 40L. Find the maximum capacity of the beaker which can measure the exact capacity of these beakers.
Q21	Fill in the blanks by choosing the correct option for the given factor tree of 120: Factor tree: $120 \rightarrow 10 \times \underline{\hspace{1cm}}$; $10 \rightarrow 5 \times 2$; $\underline{\hspace{1cm}} \rightarrow 6 \times 2$; $6 \rightarrow \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$ a) 12, 2 b) 1, 2, 3 c) 12, 2, 3 d) 2, 3, 1
Q22	Which numbers complete the factor tree for 88? Factor tree: $88 \rightarrow 22 \times 4$; $22 \rightarrow \underline{\hspace{1cm}} \times 11$; $4 \rightarrow 2 \times 2$ a) 3 and 11 b) 4 and 12 c) 4 and 11 d) 2 and 11
WEEK 3	
Q23	Complete the number patterns: 12, 16, 20, 24, 28, _____, _____, _____ 48, 56, 64, 72, _____, _____, _____ 32, 37, 42, 47, _____, _____, _____ 29, 32, 35, 38, _____, _____, _____
Q24	Complete the following pattern by drawing two more shapes: + × - + × - _____ ∩ ∪ ∩ ∪ _____

	c. ○ ○ ○ ○ _____ d. (+ +) (+ ×) (× -) _____																																																				
Q25	Study the pattern and fill in the missing number: <table border="1"><tr><td>3</td><td>4</td><td>5</td><td>6</td></tr><tr><td>9</td><td>16</td><td>25</td><td>?</td></tr></table>	3	4	5	6	9	16	25	?																																												
3	4	5	6																																																		
9	16	25	?																																																		
Q26	Make a number pattern for each given rule: 1. Start at 13 and add 12 each time: _____, _____, _____, _____ 2. Start at 10 and add 50 each time: _____, _____, _____, _____																																																				
Q27	Understand the code and complete the pattern: <table border="1"><tr><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td><td>G</td><td>H</td><td>I</td><td>J</td><td>K</td><td>L</td><td>M</td><td>N</td><td>O</td><td>P</td><td>Q</td><td>R</td><td>S</td><td>T</td><td>U</td><td>V</td><td>W</td><td>X</td><td>Y</td><td>Z</td></tr><tr><td>1</td><td>3</td><td>5</td><td>7</td><td>9</td><td>11</td><td>13</td><td>15</td><td>17</td><td>19</td><td>21</td><td>23</td><td>25</td><td>27</td><td>29</td><td>31</td><td>33</td><td>35</td><td>37</td><td>39</td><td>41</td><td>43</td><td>45</td><td>47</td><td>49</td><td>51</td></tr></table> Write the following words using the code in the above table: a. BEST WISHES b. PLANT A TREE c. SAVE PAPER d. RECYCLE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z																												
1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51																												
Q28	4 rotis divided among 6 children gives each child — a) 2/3 b) 3/4 c) 1/24 d) 2/6																																																				
Q29	The side of a square is 10 cm. How many times will the new perimeter become if the side of the square is doubled? a) 2 times b) 4 times c) 6 times d) 8 times																																																				
Q30	The number line between 0 and 1 is divided into 5 equal parts shown in the figure below. The 2nd box from the right side of 0 represents — 0 <table border="1"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table> 1 <table border="1"><tr><td> </td><td> </td><td> </td></tr></table> 2 1/5 3/5 a) 1/5 b) 2/5 c) 3/5 d) 4/5																																																				
Q31	A rectangular swimming pool has an area of 300 sq m. If its width is 10 m, what is the length of the pool? a) 80 m b) 60 m c) 30 m d) 40 m																																																				
Q32	The lowest form of 18/24 is — a) 2/3 b) 3/4 c) 1/3 d) 3/8																																																				
Q33	Equivalent fraction of 2/7 is — a) 3/7 b) 4/14 c) 2/9 d) 3/21																																																				
Q34	Add: 3/8 + 1/8 = _____ a) 7/8 b) 2/8 c) 5/8 d) 1/2																																																				
WEEK 3																																																					
Q35	The right angle is — a) 90° b) less than 180° but greater than 90° c) greater than 180° d) 180°																																																				

Q36	Which of the following is NOT the name of this square ABCD? (Square with vertices A, B, C, D) a) ADBC b) BCDA c) ADCB d) CDAB
Q37	Draw a circle with radius 3.5 cm taking centre O.
Q38	Draw the angles using protractor: a) 75° b) 150°
Q39	Ram Lal has a rectangular piece of land. His son finds that its area is 18 sq units and perimeter is 18 units. What can be its length and breadth? Help him out.
Q40	Which of the following is an example of a number pattern? A) 2, 4, 6, 8, 10 B) A, B, C, D C) Red, Blue, Red, Blue D) Circle, Square, Triangle
Q41	What is the next number in the pattern: 1, 4, 9, 16, 25, ____? A) 30 B) 35 C) 36 D) 49
Q42	Which of the following is a triangular number? A) 8 B) 10 C) 12 D) 14
Q43	The pattern 1, 1, 2, 3, 5, 8, 13, ____ is known as: A) Square number sequence B) Prime number sequence C) Fibonacci sequence D) Triangular number sequence
Q44	What comes next in the pattern: 2, 5, 8, 11, 14, ____? A) 16 B) 17 C) 18 D) 15
Q45	Which number is both a square number and a triangular number? A) 9 B) 16 C) 36 D) 1
Q46	The rule for the pattern 5, 10, 15, 20, 25 is: A) Add 4 each time B) Multiply by 2 each time

	C) Add 5 each time D) Subtract 5 each time
Q47	How many dots are needed to make the 4th triangular number? A) 6 B) 8 C) 10 D) 12
Q48	What is the 6th square number? A) 25 B) 36 C) 49 D) 16
WEEK 4	
Q49	In the pattern 100, 90, 80, 70, ____, the rule is: A) Add 10 B) Subtract 10 C) Multiply by 10 D) Divide by 10
Q50	The first five triangular numbers are: 1, 3, 6, 10, _____.
Q51	The first six square numbers are: 1, 4, 9, 16, 25, _____.
Q52	In the Fibonacci sequence 1, 1, 2, 3, 5, 8, 13, _____, each number is the sum of the two before it.
Q53	The pattern 2, 4, 6, 8, 10, ... represents _____ numbers.
Q54	The pattern 1, 3, 5, 7, 9, ... represents _____ numbers.
Q55	The next term in the pattern 3, 6, 12, 24, 48, _____ (each term is multiplied by 2).
Q56	A number that can be arranged in an equilateral triangle shape is called a _____ number.
Q57	The sum of the first 4 odd numbers is _____ (which is also a square number).
Q58	Every square number is also a natural number. (True / False)
WEEK 5	
Q59	The number 15 is a triangular number. (True / False)
Q60	In the Fibonacci sequence, each term is the product of the two preceding terms. (True / False)
Q61	The sum of two consecutive triangular numbers is always a square number. (True / False)
Q62	The pattern 0, 5, 10, 15, 20 follows the rule: multiply previous term by 5. (True / False)
Q63	Complete the following number patterns and write the rule:

	a) 7, 14, 21, 28, _____, _____ Rule: _____ b) 81, 72, 63, 54, _____, _____ Rule: _____ c) 2, 6, 18, 54, _____, _____ Rule: _____ d) 1, 2, 4, 7, 11, 16, _____, _____ Rule: _____																		
Q64	Write the first 5 triangular numbers and draw a dot pattern to show the 3rd triangular number. First 5 triangular numbers: _____, _____, _____, _____, _____ Dot pattern for 3rd triangular number ($T_3 = 6$): <pre> • •• ••• </pre> [Draw your own below:]																		
Q65	Observe the pattern and fill in the table: <table border="1"> <thead> <tr> <th>Shape Number (n)</th><th>Number of Dots (Square)</th><th>Number of Sticks (Perimeter of square)</th></tr> </thead> <tbody> <tr> <td>1</td><td>$1 \times 1 = 1$</td><td>4</td></tr> <tr> <td>2</td><td>$2 \times 2 = 4$</td><td>8</td></tr> <tr> <td>3</td><td>$3 \times 3 = 9$</td><td>12</td></tr> <tr> <td>4</td><td>_____</td><td>_____</td></tr> <tr> <td>5</td><td>_____</td><td>_____</td></tr> </tbody> </table>	Shape Number (n)	Number of Dots (Square)	Number of Sticks (Perimeter of square)	1	$1 \times 1 = 1$	4	2	$2 \times 2 = 4$	8	3	$3 \times 3 = 9$	12	4	_____	_____	5	_____	_____
Shape Number (n)	Number of Dots (Square)	Number of Sticks (Perimeter of square)																	
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3	$3 \times 3 = 9$	12																	
4	_____	_____																	
5	_____	_____																	
Q66	The table below shows a growing pattern of matchstick squares: <table border="1"> <thead> <tr> <th>Number of Squares</th><th>Number of Matchsticks</th></tr> </thead> <tbody> <tr> <td>1</td><td>4</td></tr> <tr> <td>2</td><td>7</td></tr> <tr> <td>3</td><td>10</td></tr> <tr> <td>4</td><td>_____</td></tr> <tr> <td>5</td><td>_____</td></tr> <tr> <td>10</td><td>_____</td></tr> </tbody> </table> a) Write the rule: _____ b) How many matchsticks are needed for n squares? _____	Number of Squares	Number of Matchsticks	1	4	2	7	3	10	4	_____	5	_____	10	_____				
Number of Squares	Number of Matchsticks																		
1	4																		
2	7																		
3	10																		
4	_____																		
5	_____																		
10	_____																		
Q67	Study the Fibonacci sequence: 1, 1, 2, 3, 5, 8, 13, 21, 34 ... a) Write the next two terms: _____, _____ b) What is the rule? _____ c) Is 21 a Fibonacci number? (Yes / No). Why? _____																		

d) Find the sum of the first 7 Fibonacci numbers: _____

WEEK 6

Q68 Shape Pattern — Growing Triangles

Reena makes triangles with sticks as shown below:

Fig. 1: $\triangle$ (3 sticks)

Fig. 2: $\triangle \triangle$ (6 sticks — sharing one side)

Fig. 3: $\triangle \triangle \triangle$ (9 sticks — sharing sides)

Figure No.	No. of Triangles	No. of Sticks
1	1	3
2	2	6
3	3	9
4	_____	_____
5	_____	_____

a) Complete the table.

b) How many sticks are needed for 10 triangles? _____

c) Write the general rule for n triangles: _____

d) Draw Fig. 4 in the space below:

Q69 Magic Square — Number Pattern

A magic square is a grid where every row, column, and diagonal adds up to the same number (called the magic sum).

Complete the 3×3 magic square below so that each row, column, and diagonal adds to 15:

2	_____	6
_____	5	_____
4	_____	2

a) What is the magic sum? _____

b) Fill in the missing numbers.

c) Verify that all rows, columns, and diagonals add to 15.

Q70 Case Study: Patterns Around Us

Aarav notices patterns in nature and in everyday life. He records them below:

Pattern A: Petals of a flower — 1, 1, 2, 3, 5, 8, 13 ...

Pattern B: Seats in a theatre — Row 1 has 10 seats, Row 2 has 12, Row 3 has 14, ...

Pattern C: Honeycomb cells — each hexagon surrounded by 6 hexagons

Answer the following questions:

1. Identify Pattern A. What type of number sequence is it?

2. How many petals would the 8th flower in Pattern A have? _____

3. For Pattern B, how many seats does Row 7 have? _____

4. Write the rule for Pattern B: _____

	5. If a theatre has 20 rows following Pattern B, how many seats are in the last row? _____
Q71	Pascal's Triangle — A Famous Number Pattern Observe the start of Pascal's Triangle: Row 0: 1 Row 1: 1 1 Row 2: 1 2 1 Row 3: 1 3 3 1 Row 4: 1 4 6 4 1 Row 5: _____ a) Complete Row 5 of Pascal's Triangle. b) What is the sum of numbers in Row 3? _____ c) What pattern do the row sums follow? (Hint: 1, 2, 4, 8, ...) _____ d) Where do you see triangular numbers hiding in Pascal's Triangle? _____
Q72	Create Your Own Pattern! Make up a number pattern of your own. It should have at least 6 terms. My pattern: _____, _____, _____, _____, _____, _____, _____, _____ The rule I used: _____
Q73	Number Triangle Puzzle Fill in the number triangle below so that each number is the sum of the two numbers directly below it: [] [] [] [] [5] [] [1] [] [] [2]
Q74	Explore: Odd Number Sums Complete the pattern and write what you notice: 1 = _____ ($1^2 =$ _____) 1 + 3 = _____ ($2^2 =$ _____) 1 + 3 + 5 = _____ ($3^2 =$ _____) 1 + 3 + 5 + 7 = _____ ($4^2 =$ _____) 1 + 3 + 5 + 7 + 9 = _____ ($5^2 =$ _____) What do you notice? _____
Q75	Look at this pattern of squares: $1^2 = 1$ $2^2 = 4 = 1 + 3$ $3^2 = 9 = 1 + 3 + 5$ $4^2 = 16 = 1 + 3 + 5 + 7$