

Holiday Homework

Class 8

English

Students have studied different forms of writing, each with very specific targets and expectations. Students must review all that they have covered in their Creative Writing copies.

- Narrative
- Recount
- Diary Entry
- Account
- Descriptive
- Report
- Persuasive letter (formal and informal)
- Different media texts and features

Revise the P.E.E method, use of embedded quotes, figurative language, literary terms, as well as all the grammar covered this year:

- Sentences variety
- Paragraphing
- Connectives
- Tenses (past, present and future)
- Subject verb agreement
- Active/passive voice
- Collective nouns
- Adjectives/adverbs, adjectival phrases/adverbial phrases/ noun phrases
- Pronouns/
- Suffixes /Prefixes
- Prepositions
- Use of apostrophes
- Direct/indirect speech
- Homophones/ Homonyms

Here are some helpful sites:

- www.bbcskillwise.co.uk
- www.funbrain.com
- www.learnenglsih.org.uk
- www.homenet/englishzone

An extensive booklist has been put up on www.lgs.edu.pk on the Middle School Notice Board. Students must read at least **3 books over the summer holidays**. It is strongly advised that students read White Mughals by William Dalrymple to prepare them for their World History course in Class 9. If they really enjoy the book, then perhaps they can also read The Last Mughal by the same author.

SUMMER READING LIST FOR CLASSES 7 AND 8

Absolutely Normal Chaos by Sharon Creech

Thirteen-year-old Mary Lou grows up quickly during the summer while learning about romance, homesickness, death, and her cousin's search for his biological father.

After the Last Dog Died: The True-Life, Hair-Raising Adventure of Douglass Mawson and His 1912 Antarctic Expedition by Carmen Bredeson

Describes the life and career of the Australian explorer, Sir Douglas Mawson, focusing on his 1912 scientific expedition to Antarctica.

Alice in Wonderland by Lewis Carroll

A little girl falls down a rabbit hole and discovers a world of nonsensical and amusing characters.

America at Bat by Paul Rosenthal

Examines how the game of baseball has evolved over the years and become woven into American culture and traditions, highlights baseball heroes, and presents trivia questions.

Among the Hidden by Margaret Peterson Haddix

In a future where the Population Police enforce the law limiting a family to only two children, Luke has lived all his twelve years in isolation and fear on his family's farm, until another "third" convinces him that the government is wrong.

Anastasia Has the Answers by Lois Lowry

Anastasia continues the perilous process of growing up as her thirteenth year involves her in conquering the art of rope climbing, playing Cupid for a recently widowed uncle, and surviving a crush on her gym teacher.

The Andromeda Strain by Michael Crichton

For five days, American scientists struggle to identify and control a deadly new form of life.

Angels Watching Over Me by Lurlene McDaniel

Cynical Leah Lewis-Hall, stuck in the hospital alone during the holidays, learns about the miracles of love, faith, and angels when she meets the loving family of her roommate, a young Amish girl named Rebekah.

Anne of Green Gables by L.M. Montgomery

An adventurous young orphan goes to live on a farm with an elderly brother and sister.

The Bad Beginning by Lemony Snicket

After the sudden death of their parents, the three Baudelaire children must depend on each other and their wits when it turns out that the distant relative who is appointed their guardian is determined to use any means necessary to get their fortune.

Baseball in April and Other Stories by Gary Soto

A collection of eleven short stories focusing on the everyday adventures of Hispanic young people growing up in Fresno, California.

Bearstone by Will Hobbs

A troubled Indian boy goes to live with an elderly rancher whose caring ways help the boy become a man.

Black Star. Bright Dawn by Scott O'Dell

Bright Dawn must face the challenge of the Iditarod dog sled race alone when her father is injured

Bov: Tales of Childhood by Roald Dahl.

A collection of humorous anecdotes from the author's childhood, including his summer vacations in Norway and life at an English boarding school.

The Breadwinner by Deborah Ellis

Because the Taliban rulers of Kabul, Afghanistan, impose strict limitations on women's freedom and behavior, eleven-year-old Parvana must disguise herself as a boy so that her family can survive after her father's arrest.

Call It Courage by Armstrong Sperry

Based on a Polynesian legend, this is the story of a youth who overcomes his fear of the sea and proves his courage to himself and his tribe.

The Call of the Wild by Jack London

The 1903 story about the adventures of Buck, a part St. Bernard, part Scotch shepherd that is forcibly taken to the Klondike goldfields where he eventually becomes the leader of a wolf pack.

Cast Two Shadows by The American Revolution in the South / Ann Rinaldi

In South Carolina in 1780, fourteen-year-old Caroline sees the Revolutionary War take a terrible toll among her family and friends and comes to understand the true nature of war.

The Cav by Theodore Taylor

Philip, an adolescent white boy who is blinded in a torpedo attack at sea during World War II, acquires a new type of vision, courage, and love when he is stranded on a tiny Caribbean island with Timothy, a kind, elderly black man.

Cheaper by the Dozen by Frank B. Gilbreth, Jr. and Ernestine Gilbreth Carey

Presents a memoir by two siblings from the Gilbreth clan in which they look at the lives of their parents, Frank Bunker Gilbreth and Lillian Moller Gilbreth, discuss Frank and Lillian's careers as industrial engineers and work with scientific management, and share the adventures the couple encountered raising a family of twelve children.

The Concrete Wave: The History of Skateboarding by Michael Brooke

An illustrated history of skateboarding, from 1959 through the 1990s, featuring interviews with some of the world's top skaters, and including true stories of the sport.

A Connecticut Yankee in King Arthur's Court by Mark Twain

Nineteenth-century mechanic Hank Morgan suffers a blow to the head and wakes up in King Arthur's Court where he tries to introduce modern technology and political ideas to the inhabitants.

Crash by Jerry Spinelli

Seventh-grader John "Crash" Coogan has always been comfortable with his tough, aggressive behavior, until his relationship with an unusual Quaker boy and his grandfather's stroke make him consider the meaning of friendship and the importance of family.

Dear Mr. Henshaw by Beverly Cleary

In his letters to his favorite author, ten-year-old Leigh reveals his problems in coping with his parents' divorce, being the new boy in school, and generally finding his own place in the world.

A Dog's Life by Peter Mayle

The memoirs of Boy, a shaggy dog of unknown origins, who describes his life in the village of Provence in France.

Dragondrums by Anne McCaffrey

When his boy soprano voice begins to change, Piemur- is drafted by Masterharper Robinton to help with political work and is sent on missions that lead him into unusual and sometimes dangerous adventures.

Dragonwings by Laurence Yep

In the early twentieth century a young Chinese boy joins his father in San Francisco and helps him realize his dream of making a flying machine.

The Egypt Game by Zilpha Keatley Snyder

A group of children, entranced with Egypt, play their own Egypt game, are visited by a secret oracle, become involved in a murder, and befriend the Professor before they move on to new interests, such as Gypsies.

Eleanor Roosevelt: A Life of Discovery by Russell Freedman

A biography of the first wife of a president to have a public life and career of her own.

The Face on the Milk Carton by Caroline B. Cooney

A photograph of a missing girl on a milk carton leads Janie on a search for her real identity.

Flush by Carl Hiaasen –

With their father jailed for sinking a river boat, Noah Underwood and his younger sister, Abbey, must gather evidence that the owner of this floating casino is emptying his bilge tanks into the protected waters around their Florida Keys home.

Freak the Mighty by Rodman Philbrick

At the beginning of eighth grade, Max, who has a learning disability, and his new friend Freak, whose birth defect has affected his body but not his brilliant mind, find that when they combine forces they make a powerful team.

Gathering Blue by Lois Lowry

Lame and suddenly orphaned, Kira is mysteriously removed from her squalid village to live in the palatial Council Edifice, where she is expected to use her gifts as a weaver to do the bidding of the all-powerful Guardians.

A Gathering of Daves: A New England Girl's Journal 1830-32 by Joan W. Bios

The journal of a fourteen-year-old girl, kept the last year she lived on the family farm, records daily events in her small New Hampshire town, her father's remarriage, and the death of her best friend.

Geronimo: Apache Freedom Fighter by Spring Hermann

This story examines the life of the Apache chief Geronimo, who led one of the last Indian uprisings.

A Girl Named Disaster by Nancy Fanner

While fleeing from Mozambique to Zimbabwe to escape an unwanted marriage, Nhamo, an eleven-year-old Shona girl, struggles to escape drowning and starvation and in so doing comes close to the luminous world of the African spirits.

Gregor the Overlander by Suzanne Collins

When eleven-year-old Gregor and his two-year-old sister are pulled into a strange underground world, they trigger an epic battle involving humans, bats, rats, cockroaches, and spiders while on a quest foretold by ancient prophecy.

Harry Potter and the Half-Blood Prince by J.K. Rowling

Novice wizard Harry Potter, now sixteen-years-old, begins his sixth year at Hogwarts School of Witchcraft and Wizardry in the midst of the battle between good and evil which has heated up with the return of the Dark Lord Voldemort.

Here Today by Ann M. Martin

In 1963, when her flamboyant mother abandons the family to pursue her dream of becoming an actress, eleven-year-old Ellie Dingman takes charge of her younger siblings, while also trying to deal with her outcast status in school and frightening acts of prejudice toward the "misfits" that live on her street.

Hoot by Carl Hiaasen

Roy, who is new to his small Florida community, becomes involved in another boy's attempt to save a colony of burrowing owls from a proposed construction site.

Hope Was Here by Joan Bauer:

When sixteen-year-old Hope and the aunt who has raised her move from Brooklyn to Mulhoney, Wisconsin, to work as waitress and cook in the Welcome

Stairways diner, they become involved with the diner owner's political campaign to oust the town's corrupt mayor.

The House of the Scorpion by Nancy Farmer

In a future where humans despise clones, Matt enjoys special status as the young clone of El Patron, the 142-year-old leader of a corrupt drug empire nestled between Mexico and the United States.

Hush by Jacqueline Woodson

Twelve-year-old Toswiah finds her life changed when her family enters the witness protection program.

Jackaroo by Cynthia Voigt

When hard times among the people revive old stories of the hero Jackaroo, an innkeeper's daughter follows her own quest to unlock the secret reality behind the legend.

Jip: His Story by Katherine Paterson

While living on a Vermont poor farm during 1855 and 1856, Jip learns his identity and that of his mother and comes to understand how he arrived at this place.

A Journey to the Center of the Earth by Jules Verne

Three men dare to adventure into a subterranean world full of danger and beauty. They discover many unusual things on their trip to the Earth's mysterious core.

Julie of the Wolves by Jean Craighead George

Escaping from an unwanted marriage, a thirteen-year-old Eskimo girl gets lost on the Alaskan tundra and is befriended by a wolf pack.

The Jungle Books by Rudyard Kipling

The adventures of a young boy, Mowgli, who is reared by a pack of wolves, and the wild animals of the jungle. Also includes other short stories set in India.

Keeper by Mal Peet

South American journalist Paul Faustino begins his interview with World Cup Soccer star El Gato and learns a fantastic story of a young, lonely boy growing up in the middle of a rain forest who wandered upon a mysterious soccer field and an apparition that appeared to him daily.

Keystone Kids by John R. Tunis

When two young brothers join the Brooklyn Dodgers, one becomes team manager and is faced with the task of uniting a team rife with dissension and prejudice against the new Jewish rookie catcher.

Lily's Crossing by Patricia Reilly Giff

During a summer spent at Rockaway Beach in 1944, Lily's friendship with a young Hungarian refugee causes her to see the war and her own world differently.

The Lost Years of Merlin by T.A. Barron

A young boy who has no identity nor memory of his past washes ashore on the coast of Wales and finds his true name after a series of fantastic adventures.

Lvddie by Katherine Paterson

Impoverished Vermont farm girl Lyddie Worthen is determined to gain her independence by becoming a factory worker in Lowell, Massachusetts, in the 1840s.

Marie Antoinette. Princess of Versailles by Kathryn Lasky

In 1769, thirteen-year-old Maria Antonia Josepha Johanna, daughter of Empress Maria Theresa, begins a journal chronicling her life at the Austrian court and her preparations for her future role as queen of France.

Millicent Min: Girl Genius by Lisa Yee

In a series of journal entries, eleven-year-old child prodigy Millicent Min records her struggles to learn to play volleyball, tutor her enemy, deal with her grandmother's departure, and make friends over the course of a tumultuous summer.

My Brother Sam Is Dead by James Lincoln Collier and Christopher Collier

Recounts the tragedy that strikes the Meeker family during the Revolution when one son joins the rebel forces while the rest of the family tries to stay neutral in a Tory town.

Old Yeller by Fred Gipson

In the late 1860s in the Texas hill country, a big yellow dog and a fourteen-year-old boy form a close, loving relationship.

Olive's Ocean by Kevin Henkes

On a summer visit to her grandmother's cottage by the ocean, twelve-year-old Martha gains perspective on the death of a classmate, on her relationship with her grandmother, on her feelings for an older boy, and on her plans to be a writer.

The Outcasts of 19 Schuylker Place by E.L. Konigsburg-

Upon leaving an oppressive summer camp, twelve-year-old Margaret Rose Kane spearheads a campaign to preserve three unique towers her grand uncles have been building in their back yard for over forty years.

The Ox-Bow Incident by Walter VanTilburg Clark

A posse captures and hangs three men believed to be guilty of cattle rustling and murder, only to learn later that the men were innocent.

Petey by Ben Mikaelson

In 1922 Petey, who has cerebral palsy, is misdiagnosed as an idiot and institutionalized; sixty years later, still in the institution, he befriends a boy and shares with him the joy of life.

P.S. Longer Letter Later by Paula Danziger & Ann M. Martin

Twelve-year-old best friends Elizabeth and Tara-Starr continue their friendship through letter-writing after Tara-Starr's family moves to another state.

Rats by Paul Zindel

When mutant rats threaten to take over Staten Island, which has become a huge landfill, fourteen-year-old Sarah and her younger brother Mike try to figure out how to stop them.

Redwall by Brian Jacques

When the peaceful life of ancient Redwall Abbey is shattered by the arrival of the evil rat Cluny and his villainous hordes, Matthias, a young mouse, determines to find the legendary sword of Martin the Warrior which, he is convinced, will help Redwall's inhabitants destroy the enemy.

Revenge of the Witch by Joseph Delaney

Young Tom, the seventh son of a seventh son, starts work as an apprentice for the village spook, whose job is to protect ordinary folk from "ghouls, boggarts, and all manner of wicked beasties."

The Road to There: Mapmakers and Their Stories by Val Ross

Describes the lives and inspirations of several important mapmakers throughout history, such as Cheng Ho, Captain James Cook, and Phyllis Pearsall, and includes map reproductions.

The Runner by Cynthia Voigt

As a dedicated runner, a teenage boy has always managed to distance himself from other people until the experience of coaching one of his teammates on the track team gradually helps him see the value of giving and receiving.

Saffron's Angel by Hilary McKay

After learning that she was adopted, thirteen-year-old Saffron's relationship with her eccentric, artistic family changes, until they help her go back to Italy where she was born to find a special memento of her past.

Search for the Shadowman by Joan Lowery Nixon

While working on a genealogy project for his seventh grade history class, Andy Bonner becomes determined to solve the mystery surrounding a distant relative who was accused of stealing the family fortune.

Shiloh by Phyllis Reynolds Naylor

When he finds a lost beagle in the hills behind his West Virginia home, Marty tries to hide it from his family and the dog's real owner, a mean-spirited man known to shoot deer out of season and to mistreat his dogs.

The Sign of the Beaver by Elizabeth George Speare

Left alone to guard the family's wilderness home in eighteenth-century Maine, a boy is hard-pressed to survive until local Indians teach him their skills.

A Single Shard by Linda Sue Park

Tree-ear, a thirteen-year-old orphan in medieval Korea, lives under a bridge near a potters' village, and longs to learn how to throw the delicate celadon ceramics himself.

The Sisterhood of the Traveling Pants by Ann Brashares

Carmen decides to discard an old pair of jeans, but Tibby, Lena, and Bridget think they are great and decide that whoever the pants fit best will get them. When the jeans fit everyone perfectly, a sisterhood and a memorable summer begin.

Sliding into Home by Dori Hillestad Butler

When thirteen-year-old Joelle, a star baseball player, moves to a new town where the only option for girls is softball, she starts an all-girl baseball league against the wishes of her school coaches and others in the town.

Souder by: William H. Armstrong

A young African-American boy learns the pain of humiliation and anger when his father is given an unjust jail sentence for stealing a ham from a white man. Learning to read and to discover that things do not die, but become part of other things, brings the youngster new hope.

Stitches by Gen Huser:

Travis, a middle-school student who wants to become a professional puppeteer, has endured years of torment from a trio of bullies, but he finds himself fighting for his life when the harassment turns to violence just after the ninth grade dance.

Stowaway by Karen Hesse

A fictionalized journal relates the experiences of a young stowaway from 1768 to 1771 aboard the Endeavor which sailed around the world under Captain James Cook.

A Summer Life by Gary Soto

The poet recreates the life experienced as a Chicano growing up in California's Central Valley.

Surviving the Applewhites by by Stephanie S. Tolan

Jake, a budding juvenile delinquent, is sent for home schooling to the arty and eccentric Applewhite family's Creative Academy, where he discovers talents and interests he never knew he had.

Take It to the Hoop by Sandra Steen and Susan Steen

Traces the development of women's basketball, from its beginning in the 1890s through the formation of the Women's National Basketball Association in 1997.

Tales from Shakespeare by Charles and Mary Lamb

Retells for children the stories of twenty of Shakespeare's plays, including "King Lear," "Romeo and Juliet," and "A Midsummer Night's Dream."

Tangerine by Edward Bloor

Paul Fisher, a stellar soccer player despite being legally blind, finally comes into his own when his family moves to the strange town of Tangerine, Florida.

That Was Then, This Is Now by S.E. Hinton

Sixteen-year-old Mark and Bryon have been like brothers since childhood, but now, as their involvement with girls, gangs, and drugs increases, their relationship seems to gradually disintegrate.

This Side of Paradise by Steven L. Layne

After his father begins working for the mysterious Eden Corporation, Jack uncovers a sinister plot that threatens the existence of his entire family.

Tiger Eyes by Judy Blume

Resettled in New Mexico with her mother and brother, Davey Wexler recovers from the shock of her father's death during a holdup of his 7-Eleven store in Atlantic City.

The Transall Saga by Gary Paulsen

While backpacking in the desert, thirteen-year-old Mark falls into a tube of blue light and is transported into a more primitive world, where he must use his knowledge and skills to survive.

Travels with Charley: In Search of America by John Steinbeck.

Contains observations about life and descriptions of nature as described by Steinbeck as he traveled from coast to coast at sixty years of age with his French poodle, Charley.

Treasure Island by Robert Louis Stevenson

While going through the possessions of a deceased guest who owed them money, the mistress of the inn and her son find a treasure map that leads them to a pirate's fortune.

The True Confessions of Charlotte Doyle by Avi

Thirteen-year-old Charlotte Doyle, the only passenger on a voyage from England to America in 1832, must take serious matters into her own hands when she learns that the captain is murderous.

Tuck Everlasting by Natalie Babbitt

The Tuck family is confronted with an agonizing situation when they discover that a ten-year-old girl and a malicious stranger now share their secret about a spring whose water prevents one from ever growing any older.

Up a Road Slowly by Irene Hunt

After her mother's death, Julie goes to live with Aunt Cordelia, a spinster schoolteacher, where she experiences many emotions and changes as she grows from seven to eighteen.

The Watsons Go to Birmingham 1963: A Novel: Christopher Paul Curtis.

The ordinary interactions and everyday routines of the Watsons, an African-American family living in Flint, Michigan, are drastically changed after they go to visit Grandma in Alabama in the summer of 1963.

We Were There, Too! Young People in U.S. History by Phillip Hoose

Draws from first-person accounts, journals, interviews and other primary sources to tell the true stories of over seventy young people from a variety of cultures that played a role in the making of the United States, including explorers, patriots, rebels, slaves, miners, and activists.

The Westing Game by Ellen Raskin

The mysterious death of an eccentric millionaire brings together an unlikely assortment of heirs who must uncover the circumstances of his death before they can claim their inheritance.

Where the Red Fern Grows: The Story of Two Dogs and a Boy by Wilson Rawls.

A young boy living in the Ozarks achieves his heart's desire when he becomes the owner of two redbone hounds and teaches them to be champion hunters.

The Whipping Boy by Sid Fleischman

A bratty prince and his whipping boy have many adventures when they inadvertently trade places after becoming involved with dangerous outlaws.

A Wrinkle in Time by Madeleine L'Engle

Three extraterrestrial beings take Meg and her friends to another world.

The Yearling by Marjorie Kinnan Rawlings

A young boy living in the Florida backwoods is forced to decide the fate of a fawn he has lovingly raised as a pet.

You Come To Favorite Poems for All Ages by Robert Frost

Presents over fifty poems by Robert Frost, selected by the poet especially to be read aloud, including "Acquainted with the Night," "A Patch of Old Snow," "Not of School Age," and "Mending Wall."

Holiday Homework

Class 8

Urdu

مندرجہ ذیل کتب میں سے کسی ایک کو پڑھیں اور اس کا تعریفی اشتہار بنائیں۔

* تماشے

* کام چور

* سورج کے دیس سے

* حاتم طائی *

Mathematics – Holiday Homework

General Instructions

Dear Students,

1. Please attempt questions from all sections detailed below. Questions may be printed out and solved on file paper or attempted online, as appropriate. Calculators are NOT allowed.
2. Please write correct question numbers if you are not writing the questions; solve all questions in the order they are given. Begin each assignment on a fresh page.
3. Please complete all assignments independently.
4. All assignments should be completed before returning to school so that you are better prepared for Class 9

Enjoy your summer break!

Section A – Logical thinking in everyday life

1. Write an estimate value for each of the following using a sensible unit.
 - a) How long would it take to walk 1 km?
 - b) How thick is a nail?
 - c) What does a bag of sugar weigh?
 - d) How much medicine is in one teaspoon?
 - e) How long is a paperclip?
 - f) What does a newborn baby weigh?
 - g) How much water is there in a normal bath tub?
 - h) How many days are there in your summer vacation?
 - i) How long is your bed?
 - j) How long does it take to complete this exercise?

(Hint: You may try these to make a good estimate)

Section B – The Kangaroo Challenge

2. Circle the best answer for each of the following questions.
 - a) At National School, 50% of the students have bicycles. Of the students who have bicycles, 30% have black bicycles. What percent of students of National School have black bicycles?
(A) 15% (B) 20% (C) 25% (D) 40%
 - b) In triangle ABC, the angle at A is three times the size of that at B and half the size of the angle at C. What is the angle at A?

(A) 30° (B) 36° (C) 54° (D) 60°

- c) Some crows are sitting on a number of poles in the back of the garden, one crow on each pole. For one crow there is unfortunately no pole. Sometime later the same crows are sitting in pairs on the poles. Now there is one pole without a crow. How many poles are there in the back of the garden?
(A) 2 (B) 3 (C) 4 (D) 5
- d) A group of friends is planning a trip. If each of them would make a contribution of Rs.14 for the expected travel expenses, they would be Rs.4 short. But if each of them would make a contribution of Rs.16, they would have Rs.6 more than they need. How much should each of the friends contribute so that they collect exactly the amount needed for the trip?
(A) Rs.14.40 (B) Rs.14.60 (C) Rs.14.80 (D) Rs.15.20
- e) The watchman works 4 days a week and has a rest on the fifth day. He had been resting on Sunday and began working on Monday. After how many days will his rest fall on Sunday?
(A) 31 (B) 12 (C) 34 (D) 7
- f) A caterpillar starts from his home at 9:00 a.m. and move directly on a ground, turning after each hour at 90° to the left or to the right. In the first hour he moved 1 m, in the second hour 2 m, and so on. At what minimum distance from his home the caterpillar would be at 4:00 p.m. in the afternoon?
(A) 0 m (B) 1 m (C) 1.5 m (D) 2.5 m
- g) An interview of 2006 schoolchildren from Minsk (capital of Belorussia) revealed that 1500 of them participated in the "Kangaroo" contest, 1200 - in the "Bear cub" competition. How many from the interviewed children participated in both competitions, if 6 of them did not participate in either of the competitions?
A) 300 B) 500 C) 600 D) 700
- h) Three Tuesdays of a month fall on even dates. What day of a week was the 21st day of this month?
A) Wednesday B) Thursday C) Friday D) Sunday
- i) If the sum of three positive numbers is equal to 20, then the product of the two largest numbers among them cannot be
A) greater than 99 B) less than 0.001 C) equal to 25 D) equal to 100
- j) Marie has 9 pearls that weigh 1 g, 2 g, 3 g, 4 g, 5 g, 6 g, 7 g, 8 g, and 9 g. She makes four rings, using two pearls on each. The total weight of the pearls on each of these four rings is 17 g, 13 g, 7 g and 5 g, respectively. What is the weight of the unused pearl?
(A) 1 g (B) 2 g (C) 3 g (D) 4 g (E) 5 g
- k) A magical talking square originally has sides of length 8 cm. If he tells the truth, then his sides become 2 cm shorter. If he lies, then his perimeter doubles. He makes four statements, two true and two false, in some order. What is the largest possible perimeter of the square after the four statements?
(A) 28 (B) 80 (C) 88 (D) 112 (E) 120

- l) A dragon has five heads. Every time a head is chopped off, five new heads grow. If six heads are chopped off one by one, how many heads will the dragon finally have?
(A) 25 (B) 28 (C) 29 (D) 30 (E) 35
- m) A watch is placed face up on a table so that its minute hand points north-east. How many minutes pass before the minute hand points north-west for the first time?
(A) 45 (B) 40 (C) 30 (D) 20 (E) 15
- n) A zebra crossing has alternate white and black stripes, each of width 50 cm. The crossing starts and ends with a white stripe and has 8 white stripes in all. What is the total width of the crossing?
(A) 7 m (B) 7.5 m (C) 8 m (D) 8.5 m (E) 9 m

Section C – Need for speed

3. Attempt at least 3 Sudoku puzzles online (refer to the link below), and record the time taken to solve each. If the third puzzle is solved in 10 minutes or less, move to the next level. Bring at least 2 print outs of solved puzzles to the class.

Sudoku link: <http://www.websudoku.com/?select=1&level=1>

4. Below is a link for 'The Arithmetic Game'. It is a fast-paced speed drill where you are given two minutes to solve as many arithmetic problems as you can.

Timed mental math quiz: <http://arithmetic.zetamac.com/>

Record your scores for 10 games (score is generated when time is up) and calculate the average. You will not be moved to the next question unless you give the correct answer!

Section D – Self Assessment

5. The following interactive links provide skill-based questions on a variety of topics. Challenge, assess and improve your skills for a better start next year!

<https://www.ixl.com/math/grade-8>

<http://www.nelson.com/mathfocus/grade8/student/tryout.html>

<http://www.aplusclick.com/t.htm?level=8;t=0>

HOLIDAY HOMEWORK

Class 8

Science

Those students opting for the Sciences in Class 9 should review the following chapters.

- Heat and its effects
- Transmission of Heat
- Measurement and units
- Force and Pressure
- Force and Work
- Transport in living things
- Digestion
- Atoms and molecules
- Periodic table
- Changing matter

The following sites are also helpful.

www.bbc.co.uk/education/levels/z4kw2hv

www.linktolearning.com/grade8science.htm

<http://www.solpass.org/6-8Science/6-8Science.php>