

Bal Bharati Public School, Pitampura

Let's Explore and Learn

Activities to engage your child during the holidays.

1. The following activities are to be done in a notebook.(one notebook for all subjects)
2. **Reading Activity - Read the supplementary readers prescribed in your English Syllabus and design 'comic strip' for any one.**

TED TALKS

TASK – Students must watch the TED Talks carefully and write three takeaways that they learnt from the same. (Word Limit – 80-100 words)

Class VI –

1. The Mindset of a Champion – Carson Byblow - <https://www.youtube.com/watch?v=px9CzSZsa0Y>

2. We Are All Different – and THAT'S AWESOME! – Cole Blakeway -
<https://www.youtube.com/watch?v=sQuM5e0QGLg>

Class VII –

1. You Don't Find Happiness, You Create It – Katarina Blom -
<https://www.youtube.com/watch?v=9DtcSCFwDdw>

2. The Power of Reading – April Qu - <https://www.youtube.com/watch?v=9fLlkOMrMq4>

Class VIII –

1. The Psychology of Self – Motivation – Scott Geller -
<https://www.youtube.com/watch?v=7sxpKhIbr0E>

2. Being Happy and Living at the Moment – Aisha Chaudhari -
<https://www.youtube.com/watch?v=ENTf10L1jt0>

Class IX –

1. Why I Live a Zero Waste Life? – Lauren Singer -
<https://www.youtube.com/watch?v=pF72px2R3Hg>

2. JK Rowling on The Benefits of Failure - <https://www.youtube.com/watch?v=kM8HJPbFnJg>

Developing an Attitude of Gratitude

Gratitude is the quality of being thankful, readiness to show appreciation for and to return kindness. We have innumerable blessings in our lives which we often take for granted. Through this exercise, let us learn to count our blessings and develop an attitude of gratitude, one day at a time.

These activities are to be done [one activity per day]

DAY 1 - Gratitude Jar

For this exercise you can use any available jar at home and use available materials at home to decorate it. Think of at least three things throughout your day that you're grateful for. It can be something as benign as a coffee at your favourite place or as grand as the love of your dear friend. Do this every day. Write down what you are grateful for on little slips of paper and fill the jar. Over time, you will have a jar full of myriad of reasons to be thankful for.

DAY 2 - Gratitude Tree

- Leaf cutouts to write on
- Punch a hole at the top of each leaf
- Put a string/ribbon through each
- Put stones in a vase, stick the tree branch or twig in the middle
- Draw/write things that you are grateful for
- Hang the leaves from the branches and behold your gratitude tree.

DAY 3 - Fill in the Blanks

Identify three things in each category that you're thankful for -

S. No	I'm grateful for these three things	List your choices here -
1.	I hear	
2.	I see	
3.	I smell	
4.	I touch/feel	
5.	I taste	
6.	Three Blue Things	
7.	Three Animals/Birds	
8.	Three Friends	
9.	Three Teachers	
10.	Three Family Members	
11.	Things at my Home	
12.	Three Holidays	

13.	Three Books I love	
14.	Things I love to wear	
15.	Technological Gadgets	
16.	Three Simple Pleasures	
17.	Things from Last Week	
18.	Life Lessons I've Learned	
19.	Things I'm Good at	
20.	Things I Take for Granted	

DAY 4 – A Letter to God

Write a letter to God thanking him for all the blessings in your life. Describe what you're doing in life now and how frequently you remember his acts of kindness and generosity. (*Word Limit – 150 Words*)

DAY 5 – Gratitude Journal

Take out a few minutes every day to write down five good things about your day. The entries don't have to be major events – they can be as simple as a good meal, talking to a friend, or getting through a difficult challenge.

DAY 6 – Thank You Postcards

Design 2 small postcards for your friends/family members/teachers/anyone you want to thank. Mention the reason why. The card doesn't have to be too fancy. Focus more on the content.

DAY 7 – 'What Would You Feel Without It'

Write the names of five of your favourite things/people on a small post card or a sticky note. Describe how you would feel if that thing/person were to go missing from your life.

DAY 8 – 'What Went Well?'

Write down three things that went well in your day/week and explain why. The items can be everyday – your co-worker made coffee for you, your husband picked up a treat for you, or something extraordinary like you got a promotion, you topped the class etc. Next to each positive event, answer the question, 'Why did this happen?'

Reflect on the good things and feel the gratitude for them.

DAY 9 – Draw Gratitude

Gratitude is a powerful practice that has received a lot of attention. There are some real benefits associated with cultivating gratitude. If gratitude was a person, how would it look like? Draw your interpretation of gratitude. You can sketch, paint, colour or convert it to a cartoon.

DAY 10 – Self Gratitude

Identify three things that you appreciate about yourself. Pick things that are meaningful. These can involve your personality, your qualities, your actions or anything else directly related to yourself.

CREATIVE AND ENGAGING ACTIVITIES FOR STUDENTS

- From Chemistry to Biology to Physics and much more, these men and women have helped us learn more about the world around us, the universe, and why things work the way they do! Find the names of any 5 famous scientists and collect information about their discovery. (Word Limit- 50 words)
- Transform a fictional book character into a hand puppet. Students have to read a book in order to know how the book character looks like. They can create a short video of 2 min to tell about the book with their hand puppet.
- Create your own water clock.(refer to website : steampoweredfamily.com)
- Virtual field trip: explore the world without leaving your home with the help of virtual field trips and write a brief report in 100 words. Boston children's museum.
- A first-person diary describing a day in the life of your favorite animal—with information about habitat, predator-prey interactions, and survival strategies.
- A first-person account of a major volcanic eruption, such as Mount St. Helens, including all relevant scientific details, the type of volcano, the nature of the eruption, the damage done.
- A story describing the journey of a bite of food from the mouth on downward, with details showing all the steps along the way (this makes a great comic strip or first-person account).
- With due credit to H.G. Wells, a story about a trip back in time to the Jurassic or any other era, describing the plants, animals, and topography of the time.
- And with a nod to Jules Verne, a scientifically accurate journey to the center of the earth, describing the characteristics of each layer one would encounter.

- Do it yourself activity:

Does an Orange Float or Sink?

- Does an orange float or sink when placed in water? Seems like a fairly straight forward question, but is it? Give this fun density science experiment for kids a try and answer the question while learning a unique characteristic of oranges

What you'll need:

- An orange
- A deep bowl or container
- Water

Instructions:

1. Fill the bowl with water.
2. Put the orange in the water and watch what happens.
3. Peel the rind from the orange and try the experiment again, what happens this time?

What's happening?

The first time you put the orange in the bowl of water it probably floated on the surface, after you removed the rind however, it probably sunk to the bottom, why?

The rind of an orange is full of tiny air pockets which help give it a lower density than water, making it float to the surface. Removing the rind (and all the air pockets) from the orange increases its density higher than that of water, making it sink.

Density is the mass of an object relative to its volume. Objects with a lot of matter in a certain volume have a high density, while objects with a small amount of matter in the same volume have a low density.

ASSIGNMENT- 1
CLASS-8

Name _____

Recycled Words

.....

You probably recycle cans and newspapers, but did you know that you can recycle words too? You can use the same word to make many different words and phrases. For example, you might use the word ice to make the words ice skate, iceberg or ice water.

For each row, add the same word on the lines to make new words.

Example: *coat check* *coat room* *coat of arms*

- | | | | | | |
|-----------|--------|-------|---------|-------|------------|
| 1. _____ | lash | _____ | brow | _____ | sight |
| 2. _____ | mark | _____ | mine | _____ | scape |
| 3. _____ | born | _____ | England | _____ | Year's Day |
| 4. _____ | work | _____ | test | _____ | block |
| 5. _____ | around | _____ | away | _____ | off |
| 6. _____ | shape | _____ | wreck | _____ | yard |
| 7. _____ | bow | _____ | coat | _____ | dance |
| 8. _____ | storm | _____ | plow | _____ | shoe |
| 9. _____ | pen | _____ | house | _____ | room |
| 10. _____ | roll | _____ | shell | _____ | nog |

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ASSIGNMENT - 2

CLASS - 8

Name _____

Scavenger Hunt

Guess what! You're going on a scavenger hunt, and you don't even have to leave your desk. Think of something that fits each of the descriptions below and write it in the blank.

1. Something you toss: _____
2. Something that is messy: _____
3. Something that changes shape: _____
4. Something that you should not walk on: _____
5. Something that you shake: _____
6. Something that smells fantastic: _____
7. Something that you heat: _____
8. Something that changes color: _____
9. Something that you freeze: _____
10. Something that you stir: _____
11. Something that is loud: _____
12. Something that grows: _____
13. Something that opens:

14. Something that you carry: _____

ASSIGNMENT-3

CLASS-8

This exercise is about differentiating between fact and opinion. A **fact** can be proven either true or false. An **opinion** is an expression of feeling or point-of-view and cannot be proven true or false.

The teacher will create some statements that are either fact or opinion. If it's a fact, check on **F** and then briefly explain how it can be proven. If it's an opinion, check on **O** and briefly explain why you feel it can't be proven. Compare answers with your friends and share your views with each other.

FACT or OPINION

Statement:

Reasoning:

- | | | | |
|--|-------------------------|-------------------------|-------|
| 1. Keeping pots is not advisable. | <input type="radio"/> F | <input type="radio"/> O | _____ |
| 2. All rich people are greedy. | <input type="radio"/> F | <input type="radio"/> O | _____ |
| 3. Cricket is the most popular game in India. | <input type="radio"/> F | <input type="radio"/> O | _____ |
| 4. Reading books enhances our imagination. | <input type="radio"/> F | <input type="radio"/> O | _____ |
| 5. Elders are usually wrong. | <input type="radio"/> F | <input type="radio"/> O | _____ |
| 6. Physical health is directly related to mental health. | <input type="radio"/> F | <input type="radio"/> O | _____ |
| 7. If you work hard, you will succeed. | <input type="radio"/> F | <input type="radio"/> O | _____ |
| 8. First impression is the last impression. | <input type="radio"/> F | <input type="radio"/> O | _____ |
| 9. Wisdom comes with age. | <input type="radio"/> F | <input type="radio"/> O | _____ |
| 10. Beauty lies in the eyes of the beholder. | <input type="radio"/> F | <input type="radio"/> O | _____ |

ASSIGNMENT - 4

CLASS - 8

MEANINGS IN MIND

Write one sentence to explain what each common image or symbol means to you. The idea here is to move away from conventional meanings and relate to the images personally.



Assignment-5

Class-8

AWESOME ANAGRAMS

Anagrams are words and sentences that can be written different ways to obtain more words or groups of words. Create new words by rearranging the letters in the ones below—some can be tricky!

Example:- SPEAR

REWARD

LEAST

REINS

PASTE

MISTER

TRACES

SPARE

REARS

PEARS

PLATES

SPREAD

POST

PLAYER

NAME

SKATE

SNAP

LEAP

PARTIES

RATES

RESTRAIN

PASS

TEAM

EAST

Thinking Skills Worksheet for Class 8 (Part - 1)

Worksheet- 6

[WORD LIMIT- 50-60 WORDS]

1. Considering your own values and needs, which medieval occupation would in your opinion have provided the best quality of life?
2. If you were the leader of your country, what changes would you make to the current state of your nation, and how would you justify those changes?
3. What single thing in your opinion causes the most harm to us as a society, and how is it avoidable?
4. When and how has mathematics played pivotal roles throughout our world's history?

Thinking Skills Worksheet for Class 8 (Part 2)

Worksheet- 7

[WORD LIMIT- 50-60 WORDS]

1. What should be humanity's fundamental overarching goal, and why?
2. What single thing in your opinion causes the most harm to us as a society, and how is it avoidable?
3. If you were running for president what would your top three priorities be and why?
4. Is having only one global language preferable to having several? Why or why not?

कक्षा - आठवीं

- प्र०१. अपने घर और स्कूल को साफ रखने के लिए आप क्या - क्या करेंगे?
- प्र०२. बची-बूची बेकार की चीजें बेकार नहीं होती। चंडीगढ़ का रॉक गार्डन इसका जीता-जागता उदाहरण है। घर में पड़ी कोल्ड ड्रिंक की बोतल से आप क्या ^{और क्या} बनाएंगे?
- प्र०३. क्या आपके दोस्तों, पड़ोसियों या किसी रिश्तेदार के पास कोई पालतू जानवर है? पता लगाएं कि वे लोग उसका खयाल कैसे रखते हैं?
- प्र०४. आज के व्यस्त जीवन में हम समय नहीं निकाल पा रहे हैं। अपने बुजुर्गों को हम कुछ समय किस प्रकार दे सकते हैं?
- प्र०५. पैड़ किस प्रकार हमारे जीवनदाता हैं?
- प्र०६. आजकल खाद्य पदार्थों में मिलावट होने लगी है, तो क्या यह हमारे स्वास्थ्य और मानवता दोनों के लिए खतरा नहीं है? बताएं।
- प्र०७. 'मैला' शब्द बच्चों के लिए रोमांचभरा और जिज्ञासा बढ़ाने वाला शब्द है। क्या आप कभी किसी मेले में गए हैं? वहां आपको क्या - क्या अच्छा लगा?
- प्र०८. सातवीं कक्षा की 'पिटारा' पुस्तक से किसी एक मनपसंद कहानी को कविता के रूप में लिखिए।

How Do Plants Grow and Reproduce?

State whether the following statement is true or false.

1. Plants that reproduce through spores make large numbers of them.

- ☐ True
☐ False

2. Orchids are the largest family of flowering plants.



- ☐ True
☐ False

Choose the correct answer.

3. Which of the following is a gymnosperm?

- ☐ Pine Tree
☐ Peach Tree

State whether the following statement is true or false.

4. A hard seed coat protects the inner seed from drying out or from water or insects getting inside.

☐ True

☐ False

Choose the correct answer.

5. Which of the following are needed for the germination of a seed?

☐ Moisture, light, temperature, and air

☐ Moisture, light, and air

6. Which of the following plants cannot grow high?

☐ Moss

☐ Flowering plants

7. Which of the following types of plants cannot tolerate drought?

☐ Vascular

☐ Nonvascular

8. Which of the following is an example of a vascular plant?

☐ Conifer

☐ Liverwort

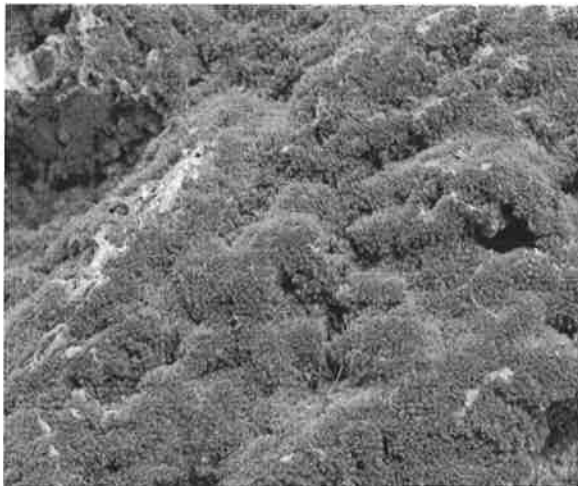
9. Which of the following is true of a vascular plant?

- ☐ It has roots, stem and leaves.
- ☐ It has no roots or true leaves, or seeds.

10. Which of the following is an example of a conifer?

- ☐ Pine tree
- ☐ Apple tree

11. In which of the following areas would mosses tend to grow?



- ☐ Damp areas with lots of shade
- ☐ Sunny, dry areas

State whether the following statement is true or false.

12. A conifer may have both male and female reproductive structures on its trees.

- ☐ True
- ☐ False

Choose the correct answer.

13. Which of the following is a definition of a spore?

- ☐ An embryo covered with a hard shell
- ☐ A small one-celled unit for asexual reproduction of some plants

State whether the following statement is true or false.

14. A fern's life cycle consists of two stages.



- ☐ True
- ☐ False

Choose the correct answer.

15. What is the leaf of a fern called?



- ☐ Frond
- ☐ Rhizome

DAY :1**UNITS AROUND ME**

UNIT	APPROXIMATE SIZE
1 Millimeter (mL)	Capacity of an eyedropper
1 liter (L)	Capacity of a juice carton
1 kiloliter(KL)	Capacity of 4 bathtubs

Choose the more reasonable estimate to capacity.

- | | | |
|---------------------------|---------|----------|
| 1. A Fruti | A)250L | B)25KL |
| 2. A pot for cooking | G) 2KL | K)2L |
| 3. A tablespoon | M) 15L | F)15ML |
| 4. An automobile gas tank | N)50L | P)50KL |
| 5. A swimming pool | Z)80L | O)80KL |
| 6. A water cooler jug | H)20L | R)2L |
| 7. A drinking glass | W)25ML | B) 250ML |

COMPLETE EACH STATEMENT

- | | | |
|-----|----------|----------|
| 8. | 0.5L | =.....ML |
| 9. | 10,000ML | =.....KL |
| 10. | 25000ML | =.....L |
| 11. | 1.75KL | =.....L |
| 12 | 40KL | =.....ML |
| 13 | 750L | =.....KL |
| 14 | 8.5KL | =.....L |
| 15 | 1KL | =.....L |
| 16 | 1500ML | =.....L |
| 17 | 500ML | =.....KL |

DAY :2

LETS PLAY WITH OPERATIONS

MISSING SYMBOLS : Add symbols + , - , \times , \div to make following statements correct

1. 8 2 6 3 = 14
2. 3 2 6 4 = 32
3. 16 4 6 1 = 10
4. 9 8 3 2 = 7
5. 3 3 2 3 = 1
6. 12 3 2 2 = 0
7. 7 4 1 3 = 9
8. 1 8 6 3 = 1
9. 15 5 3 7 = 2
10. 15 3 4 8 = 11.....

DAY :3

Vedic Maths Sutra

Search any one Vedic Maths Sutra and show its application through three examples.

DAY :4

Construction

Construct all angles that are multiple of 15° using compass (upto 180°)

DAY :5

TANGRAMS

Create a garden scenery using Tangrams .

Day :6

Lets Solve Soduku

5	3			7				
6			1	9	5			
	9	8					6	
8				6				3
4			8		3			1
7				2				6
	6					2	8	
			4	1	9			5
				8			7	9

5				1				4
2	7	4				6		
	8		9		4			
8	1		4	6		3		2
		2		3		1		
7		6		9	1		5	8
			5		3		1	
		5				9	2	7
1				2				3

Day :7

Lets have fun with Khan Academy Assignments and Modules

Suggested topics : Algebraic Identities ,Factorization ,Mensuration

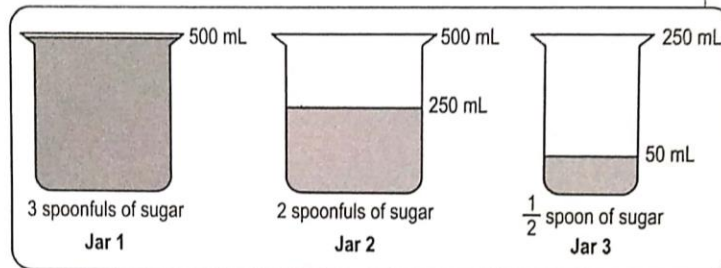
DAY : 8

Maths Brain Teasers

1 How many rational numbers are there between 2.5 and 3?

- A. 0
- B. 1
- C. 4
- D. infinitely many

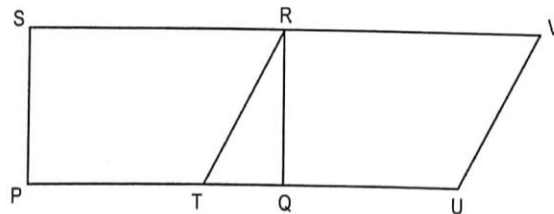
2 Karn mixed sugar in water in 3 different jars as shown below.



Which jar has the sweetest water?

- A. Jar 1
- B. Jar 2
- C. Jar 3
- D. (cannot compare with the given information)

3 In the figure below, PQRS is a rectangle and TUVR is a parallelogram.



If the area of PQRS is the same as the area of TUVR, which of these is DEFINITELY true?

- A. $RQ = VU$
- B. $RQ = QU$
- C. $PT = TU$
- D. $PQ = RV$

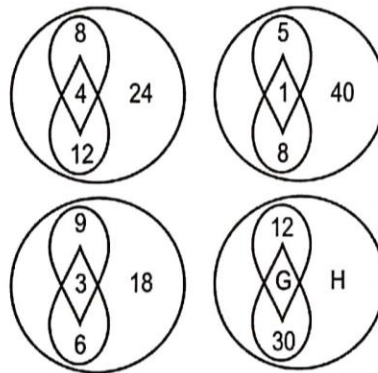
- 4** 149Δ is a 4-digit number where Δ is a digit at the ones place.

If the product, $149\Delta \times \square$, lies between 50000 and 59000, which of these could be the number in the box?

- A. 35
- B. 40
- C. 350
- D. 400

- 5** The numbers in the circles below follow the same rule. What is H?

(Hint: Think along the lines of a pair of numbers, a factor and a multiple of the pair.)



- A. 10
- B. 60
- C. 120
- D. 360

- 6** Look at the expression below.

$$2x = 3x + 5$$

Three students simplified it in different ways. The first step of their solution is given below.

Student 1: $\frac{2x}{3} = x + 5$

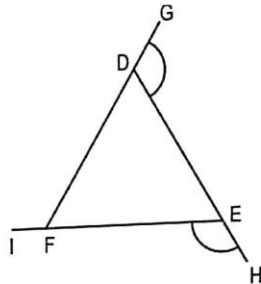
Student 2: $2x + 3x = 5$

Student 3: $2x - 3 = x + 5$

Who has simplified it correctly?

- A. Student 1
- B. Student 2
- C. Student 3
- D. None of them have simplified it correctly.

- 7 In the $\triangle DEF$, the sides are extended till the points G, H and I. The angles marked in the figure are equal.



What sides of $\triangle DEF$ are DEFINITELY equal?

- A. $DF = DE$
- B. $DF = FE$
- C. $DE = FE$
- D. (cannot conclude as the side lengths and exterior angles are not related)

Use this space for
ROUGH WORK!

Answer questions 8 and 9 based on the chart below.

The ticket details of Mumbai metro train for the Versova - Ghatkopar corridor is given below. A part of the chart is torn.

Mumbai Metro Fare Chart

	Versova	DN Nagar	Azad Nagar	Andheri	Western Highway	Chakala JB Nagar	Airport Road	Marol Naka	Saki Naka	Asalpa	Jagruti Nagar	Ghatkopar
Versova		10	20	20	20	30	30	30	30	40	40	40
DN Nagar	10		10	20	20	20	30	30	30	30	40	40
Azad Nagar	20	10		10	20	20	20	20	30	30	30	
Andheri	20	20	10		10	20	20	20	20	30	30	
Western Highway	20	20	20	10		10	20	20	20	20		
Chakala JB Nagar	30	30	20	20	10		10	10	20			
Airport Road	30	30	20	20	20	10		10				
Marol Naka	30	30	20	20	20	10	10					
Saki Naka	30	30	30	20	20	20	10					
Asalpa	40	30	30	30	20	20	20					
Jagruti Nagar	40	40	30	30	30	20	20					
Ghatkopar	40	40	40	30	30	30	20					

NOTE : Fare Chart subject to change from time to time.

- 8 The ticket price of which of these routes CANNOT be found from the chart?

- A. Ghatkopar to Andheri
- B. Airport Road to Asalpa
- C. Marol Naka to Saki Naka
- D. Chakala JB nagar to Jagruti Nagar

- 9 Along with the daily ticket per each trip option, there are 2 types of monthly passes available.

Monthly Pass Details

Mode	Number of trips	Price
Type I	45 trips	Rs 600
Type II	60 trips	Rs 800

Sruti stays at Versova and works at Airport road office. If she uses metro, only to travel from home to office and back to home, for 20 days in a month, which mode of payment is the MOST economical?

- (i) Daily ticket per trip
(ii) Type I Monthly Pass
(iii) Type II Monthly Pass

- A. only (i)
B. only (ii)
C. only (iii)
D. (both (i) and (ii), as they cost the same)

-
- 10 What is $(2g + k) - (2k + g)$?

- A. $g - k$
B. $g + k$
C. $3g + k$
D. $3g - k$

-
- 11 The chart below represents different types of movies Sonam watched this year. She watched the same number of Comedy and Fantasy movies.



What percent of the movies watched are 'Comedy'?

- A. 25%
B. 30%
C. 33.3%
D. 37.5%