

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.

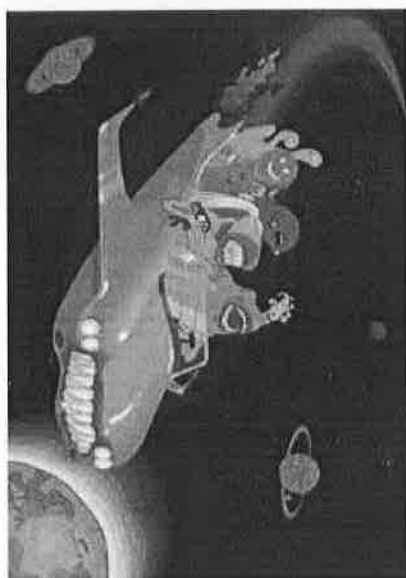
Density is the mass of an object relative to its volume. Objects with a lot of matter in a certain volume have a high density, while objects with a small amount of matter in the same volume have a low density.

CLASS VI - ASSIGNMENT-1

CRAZY CAPTIONS

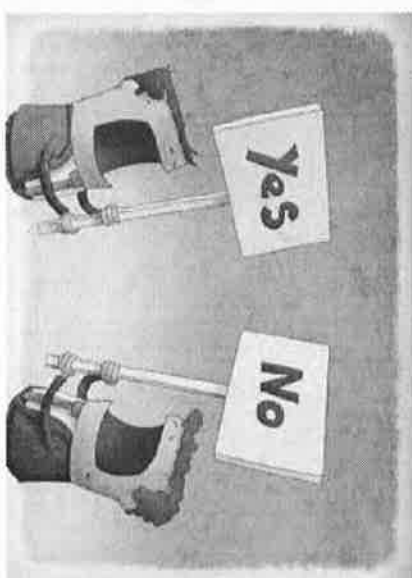
Put in your own creative wording for each of these images. You can write some dialog between the characters, write a single-line caption, or turn the image into a clever meme. Keep it short and witty!













ASSIGNMENT-2

CLASS VI

name_____

I can make connections to what I read. I can use what I know about thankfulness to think critically.

Thankful Heart ? Yes or No

Read each idea and decide if it is coming from a thankful heart. Bubble in the circle to choose yes or no. Be ready to discuss your answer choices.

1. I eat the food I am served with a happy attitude even if it is not my favorite food.

Thankful Heart ?..... ☐ Yes ☐ No

2. I didn't like any of my toys today, so I complained.

Thankful Heart ?..... ☐ Yes ☐ No

3. My brother got a bigger pancake, so I got upset.

Thankful Heart ?..... ☐ Yes ☐ No

4. My mom helped me get ready, so I gave her a hug.

Thankful Heart ?..... ☐ Yes ☐ No

5. My teacher helped me when I got stuck, so I made a card for my teacher.

Thankful Heart ?..... ☐ Yes ☐ No

6. How can you show thankfulness to your family?

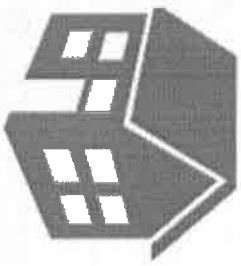
CLASS VI - ASSIGNMENT - 3

TOTAL RECALL

Look at the objects and words on the page for 1 minute. Next, try to write down everything you remember seeing and reading on the page. If you're doing this one as a colour print-off, try recalling the specific colour of each word and shape too, if you can.



LUNCH



RAINBOW



WEST



EAST



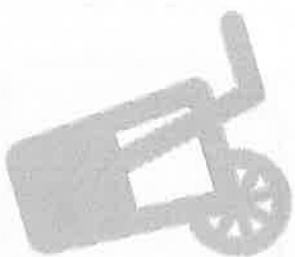
VACATION



WINTER



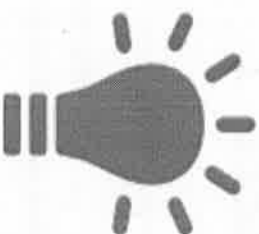
SUMMER



RIGHT



SUNGLASSES



ASSIGNMENT - 4
CLASS - VI

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 |

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: _____

CLASS-VI
ASSIGNMENT-6

EXPLAIN YOURSELF

How would you describe the following things and their sensations to someone who had never seen or experienced them before? Use all your senses in your descriptions!

A bunch of flowers

An automobile

A rainstorm

A laptop computer

A piece of chocolate

A rock concert

A hug from someone

A favourite place of yours

Thinking Skills Worksheets for Class 6 (PART 2)

Worksheet- 8

[WORD LIMIT- 50-60 WORDS]

1. If there were three things in your life you considered harmful and that you could give up, what would you give up and why?

2. How does being healthy affect our relationships with others?

3. Is it possible to engineer the human body to last forever? Why or why not?

4. If someone had a very good reason for asking you to lie for them, would you do it? Why or why not?

Thinking Skills Worksheets for Class 6 (PART 1)

Worksheet- 7

[WORD LIMIT - 50-60 words]

1. 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?

2. What single thing in your opinion causes the most harm to us as a society, and how is it avoidable?

3. Should we consider colonizing the rest of the galaxy? Why or why not?

4. How do we define "happiness" for ourselves and how important it is in our lives?

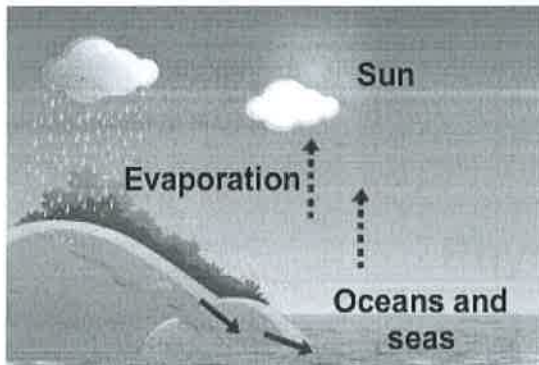
कक्षा - छठी

- प्र० 1. विभा को चित्र बनाने का शौक था, उसकी माँ को कहानियाँ लिखने का। आपको भी कोई न कोई शौक तो होगा, तो अपना शौक लिखें।
- प्र० 2. वर्षा के समय का कोई ऐसा अनुभव लिखें, जिसके कारण आप बहुत खुश हुए। इस का एक सुंदर चित्र भी बनाएं।
- प्र० 3. मेरी माँ ने मुझे चंदा मामा की कविता सुनाई। फिर एक रात मैंने सपने में चंदा मामा को अपने सपने में पाया तो
- प्र० 4. आपके बचपन की ऐसी बहुत सारी चीजें होंगी जो पहले थीं, अब नहीं हैं। उनमें से आप किन चीजों को वापिस लाना चाहेंगे और क्यों?
- प्र० 5. पुरस्कार पाना सबको अच्छा लगता है। जब आपने पहली बार कोई पुरस्कार पाया
- प्र० 6. जब आपके बड़े आपको कोई काम कहते हैं तो आप भी उनके सामने कोई न कोई शर्तें रखते होंगे कि उसके बदले आपको कुछ चाहिए। आपने कभी इस प्रकार अपनी कुछ शर्तें रखी हैं तो वे लिखिए।
- प्र० 7. आप 'इनडोर' और 'आउटडोर' में से किस खेल के समर्थक हैं और क्यों?
- प्र० 8. आपके पड़ोसी की कार अधिक धुआँ उगल रही है, उन्हें समझाने के लिए आप क्या करेंगे?

Physical Changes

State whether the following statement is true or false.

1. Evaporation is an example of a physical change.



- ☐ True
☐ False

Choose the correct answer.

2. Which of the following is an example of a mixture?

☐



Trail mix

☐



Salad

☐



Cereal with bananas

☐



Trail mix



Salad

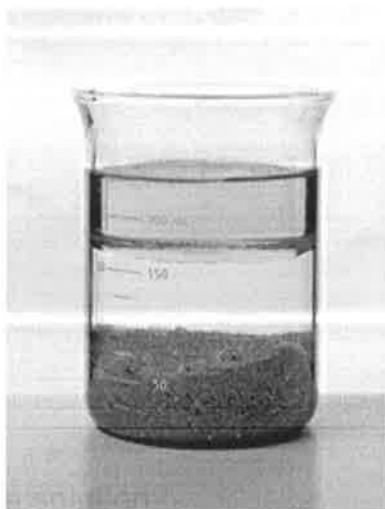


Cereal with bananas

All of the above

3. Which of the following mixture is a solution?

☐



Sand and water

☐



Chocolate milk

4. Soaking a sponge in water, painting a house, shredding paper, and stacking cookies are all examples of which of the following?



Soaking a sponge in water



Painting a house



Shredding paper



Stacking cookies

- ☐ Chemical changes
- ☐ Physical changes

State whether the following statement is true or false.

5. Solutions are a type of mixture where the molecules are evenly spread out in the substance.

- ☐ True
- ☐ False

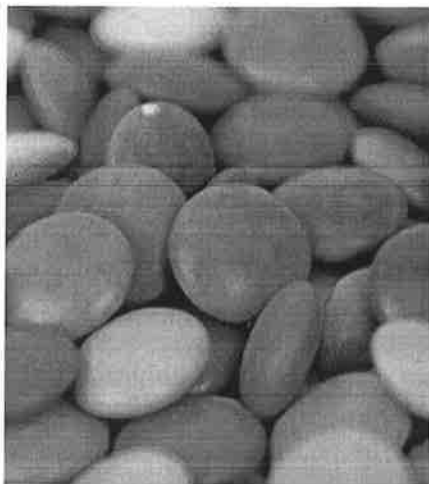
Choose the correct answer.

6. Which of the following is taking place in the picture?

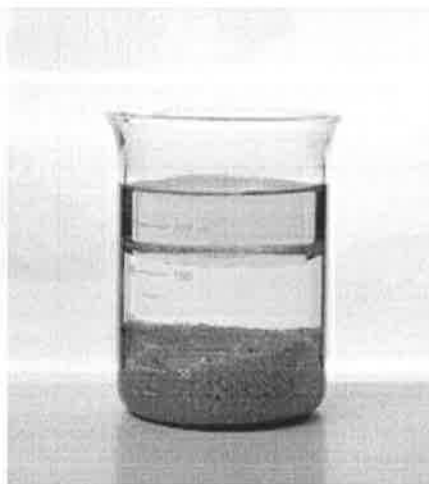


- ☐ Evaporation
- ☐ Melting

7. Which of the following best defines a mixture?



M&M's



Sand and water

- ☐ A mixture is two or more substances that are combined together without the molecules changing.
- ☐ A mixture is two or more substances that are combined together with the molecules changing.

8. Which of the following is considered to be a universal solvent?

☐



Water

☐



Gasoline

State whether the following statement is true or false.

9. Water is a substance that can clean oil from clothing.



☐ True

☐ False

10. Dishwashing liquid can be used to clean birds and other wildlife following an oil spill.



Dish washing liquid



Bird covered with oil

- ☐ True
- ☐ False

Choose the correct answer.

11. In a solution, the molecules of a substance will _____.



- ☐ spread out evenly
- ☐ change

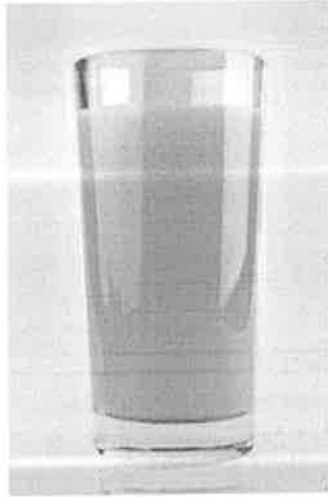
12. Which of the following best describes a salad dressing?



- ☐ Salad dressing is an example of a mixture and is also a solution.
- ☐ Salad dressing is an example of a mixture and is also a suspension.

13. Which of the following is an example of a suspension?

☐



Orange juice

☐



Chocolate milk

14. All of the following are physical changes except _____.

☐



burning newspaper

☐



snowman melting

☐



making lemonade

15. Which of the following best explains the difference between a solute and a solvent?



Solute



Solvent

- ☐ A solvent is the substance to be dissolved, and a solute is the substance that dissolves the solute.
- ☐ A solute is the substance to be dissolved, and a solvent is a substance that dissolves the solute.

Class VI

MATHS

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

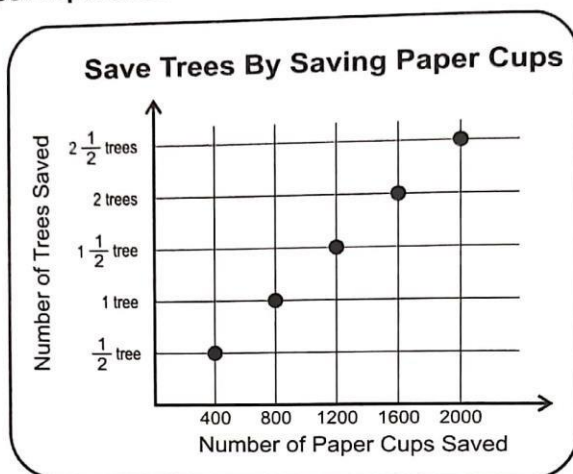
Lets have fun with Khan Academy Assignments and Modules (topics mentioned below)

*Multiplication and division of integers, fraction and decimals.

Day: 8

Lets Practice

Paper cups are used each day all over the world. A lot of trees are saved if more paper cups are saved. The graph below shows the relation between the trees saved and the paper cups saved.



Anita uses 3 new paper cups each day to drink coffee. If she decides to use a ceramic coffee mug instead of paper cups for 300 days, about how many trees can be saved?

- A. $\frac{1}{2}$ tree
- B. 1 tree
- C. 300 trees
- D. 900 trees

Which of these is a factor of 11×85 ?

(i) 17 (ii) 11×17

- A. only (i)
- B. only (ii)
- C. both (i) and (ii)
- D. (None of these since only 11 and 85 are the factors.)

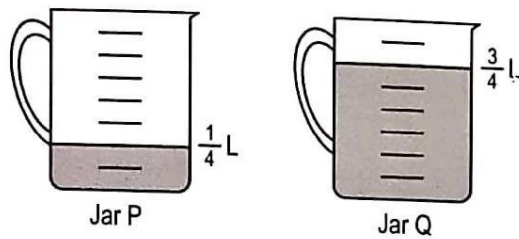
Which of these is GREATER than $1500 \div 14$?

(i) $1500 \div 20$
(ii) $1500 \div 12$
(iii) $3000 \div 28$

(Note: Actual calculation is not needed.)

- A. only (ii)
- B. only (iii)
- C. only (i) and (iii)
- D. only (ii) and (iii)

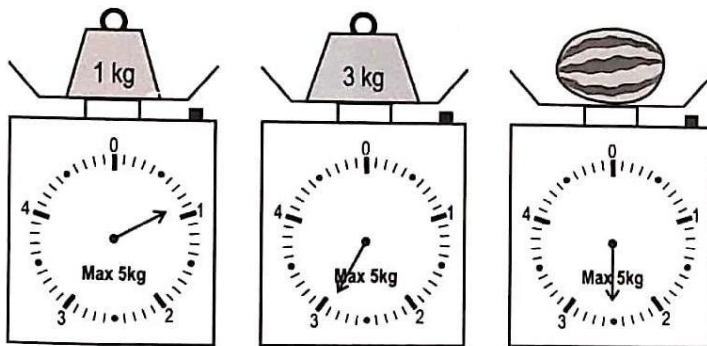
Jar P has $\frac{1}{4}$ litre of water and Jar Q has $\frac{3}{4}$ litre of water as shown.



The amount of water in Jar P is ___ the amount of water in Jar Q.

- A. $\frac{1}{2}$
- B. $\frac{1}{3}$
- C. $\frac{1}{4}$
- D. $\frac{1}{5}$

Kevin has an old weighing scale which shows some error. Kevin measured the error by measuring 1 kg and 3 kg weights as shown below. Then he measured the weight of a watermelon.



What is the ACTUAL weight of the watermelon?

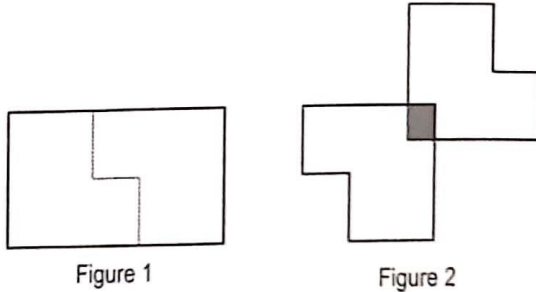
- A. 3 kg 500 g
- B. 2 kg 600 g
- C. 2 kg 500 g
- D. 2 kg 400 g

There are Δ cows and Φ goats in a farm. The number of cows are more than the number of goats.

If the total number of goats and cows in the farm is 30, which of these is true?

- A. Φ is less than 15.
- B. Δ is less than 15.
- C. Φ is greater than Δ .
- D. $\Delta + \Phi$ is less than 30.

The rectangular sheet of area 40 sq units shown in Figure 1 is cut into two equal parts. The parts are rearranged with some overlap as shown in Figure 2.

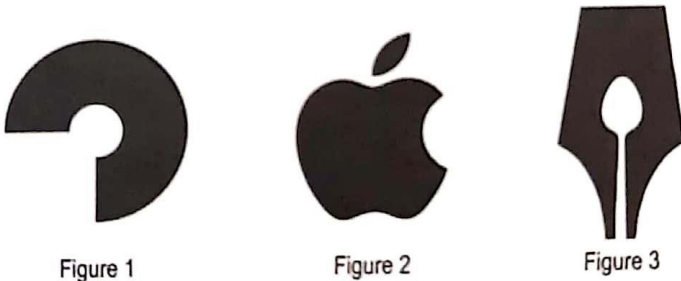


(Note: Figure is not to scale.)

If the area of the overlap part is 6 sq units, what is the area of Figure 2?

- A. 28 sq units
- B. 34 sq units
- C. 40 sq units
- D. 46 sq units

Which of these figures can be folded along a straight line such that one part overlaps with the other part exactly?



- A. only Figure 1
- B. only Figure 3
- C. only Figures 1 and 3
- D. all - Figures 1, 2 and 3

Rupa wants to write a three-digit number with the below rules.

- The digit at ones place is ODD.
- The other two digits are equal.
- The sum of the digits of the three-digit number is 4.

How many such numbers can she write?

- A. 0
- B. 1
- C. 2
- D. 4

Asma had a jar with 5 blue marbles and 3 green marbles. Starting from Day 1, every day she adds 1 blue marble and 2 green marbles to the jar.

On which day will the total number of marbles in the jar cross 100?

- A. Day 30**
- B. Day 31**
- C. Day 32**
- D. Day 33**