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WINTER HOLIDAY HOMEWORK (2018-19)

ENGLISH

- An adventurous life is great fun. You have read the abridged excerpt from 'The Thirty-Nine Steps', by John Buchan. The story is open-ended. Prepare a comic strip on the given story and suggest a suitable conclusion.
  You can use A4 size paper.
- Enrich your vocabulary with some idioms and phrases. Here is a list of idioms and phrases. Write their meanings and make sentences using these idioms in English grammar notebooks.

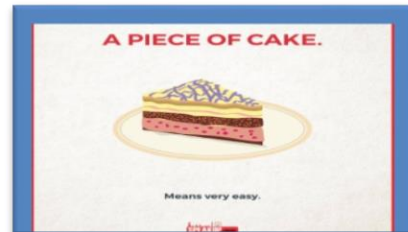|		
The best of both the worlds	See eye to eye	Speak of the devil
Once in a blue moon	When pigs fly	To feel under the ..
To cost an arm and a leg	A piece of cake	Let the cat out of the bag

HINDI

- भारतीय संस्कृति के परिचायक प्रसिद्ध ग्रंथ रामायण के आधार पर किसी एक लघु कथा का नाट्य रुपांतरण भित्तिपत्रिका में चित्र सहित लिखें ।
- कार्यपत्रिका (जनवरी माह) पूर्ण करें ।
- पुस्तक-समीक्षा परीक्षा हेतु कहानियों का पठन-पाठन करें।

SANSKRIT

- संख्याशब्द एक से चार पर तीनों लिंगों मे एक एक वाक्य संस्कृत में उत्तरपुस्तिका में लिखिए।
- पृष्ठ 131 के चित्र पर दो वाक्य संस्कृत में लिखिए ।
- धातुरुप - कृ , स्था , गम् , पठ् , भू , लिख विधिलिङ् लकार में याद कीजिए ।
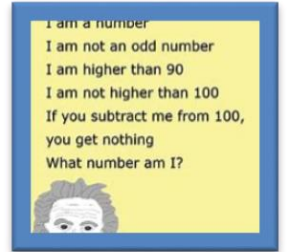- शब्दरुप - अस्मद् युष्मद् और किम् तीनों लिंग कण्ठस्थ कीजिए ।

FRENCH

- Les examens s'approchent et votre mère vous donne quelques conseils. Ecrivez cinq conseils (utilisez l'impératif).
- Ecrivez cinq phrases que votre professeur utilise dans la classe (à l'impératif).
- Faites toutes les questions du chapitre neuf de cahier d'exercice.

MATHEMATICS

- Create an interesting poem puzzle on an A4 size sheet involving concepts of algebra. Make it presentable by drawing relevant cartoons and pictures.
- Solve assignment and Exemplar problems for the month of December in Maths note book.
- Solve the following questions in your notebook
- **Practice questions for Common Understanding and Proficiency Test (CUPA)**
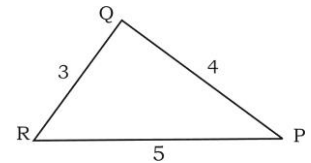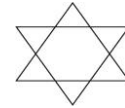 1. Is the given shape a polygon? Yes/No
     Give reasons
  2. On the basis of which information can you say that ΔPQR is a right angle triangle.
     a. $3^2 + 4^2 = 5^2$
     b. $5 < 3 + 4$
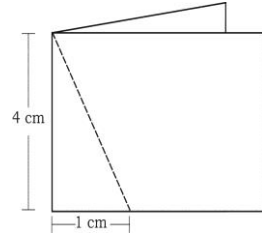   c. $3 + 4 = 12 - 5$
     d. $3 > 5 - 4$
  3. A piece of paper, in the shape of a rectangle is folded in half as shown in the figure below. It is then cut along the dotted line and the small piece that is cut is opened. What is the
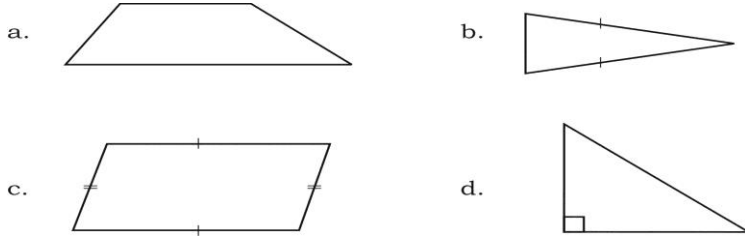
shape of the cutout figure?

   a. an isosceles triangle

   b. two isosceles triangles
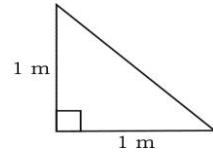
   c. a right triangle

   d. an equilateral triangle

4. Which shape has a line of symmetry? Why?
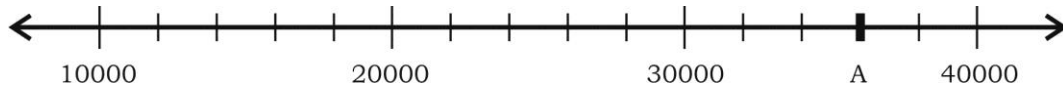
   a.

   b.

   c.

   d.

5. What is the largest number of triangles given below that can be accommodated in a square field of 50 m side?

6. On a number line, point O represents 0 (zero), point P represents +4 and point Q represents —1. Which of the statement is true?

   a. P and Q both line to the right of 0

   b. P and Q both line to the left of 0

   c. Q lines to the right of 0

   d. P lines to the right of 0

7. Which number does A represent on this number line?

| 10000 | 20000 | 30000 | A | 40000 |

8. Tell who I am?

'You will get me back if you take me out of thirty two.'

I am ………………………….

9. Which is more: 10% of 20 or 20% of 10 ?

10. Write two equivalent ratios of 0.3**:** 0.5.

11. Divide `50 between Maya and Shabina in the ratio 3:7.

12. Someone claims that the lines *l* and *m* are parallel to each other. How can you check that the claim is right or wrong? Write two strategies.

l

m

13. How many angles can you draw with

   a. One common side? ………………………………

   b. Two common sides? ………………………………

   c. No common side?………………………………….

14. Draw a rough sketch depicting examples of each of the following :

   a. a triangle whose all altitudes lie inside it

   b. a triangle whose one of the altitudes lies outside it

   c. a triangle whose one of the altitudes is one of its sides

15. Points A, B and C lie on a line and B is between A and C. If AB=10cm and BC = 5.2 cm, what is the distance between the midpoints of AB and BC?

16. (a) Simplify $8^2 \div 2^3$

    (b)Speed of light in vacuum is 300,000,000 m/s. Write it in standard form.

17. Anisha found

$$6\frac{1}{3} \div 3\frac{1}{3} = \left(6+\frac{2}{3}\right) \div \left(3+\frac{1}{3}\right)$$

$$= (6 \div 3) + \left(\frac{2}{3} \div \frac{1}{3}\right)$$

$$= 2 + 2 = 4$$

   a. Is she right? (Yes/No)
   b. If not, do it correctly.

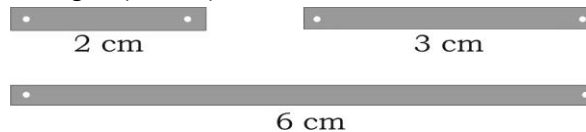18. How many $\frac{1}{16}$ kg boxes of chocolates can be made with $1\frac{1}{2}$ kg chocolates?

19. What is a perfect number? Explain with examples.

20. There are three strips of length 2cm, 3cm and 6cm.
    Can you form a triangle by joining these strips? (Yes/No)
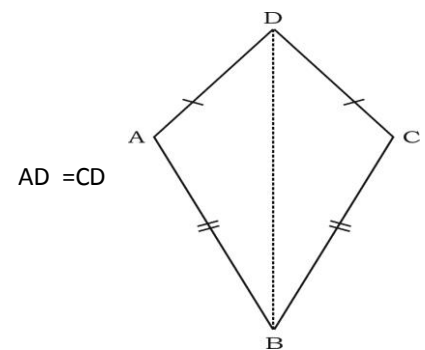   If yes, will it be a right triangle? (Yes/No)
    If No, Why?

    2 cm   3 cm

    6 cm   AD =CD

    In the given figure
    and AB = CB.   5
    a. State the three pairs of equal parts in ΔABD and ΔCBD.
    b. Is ΔABD ≅ ΔCBD? Why or why not?
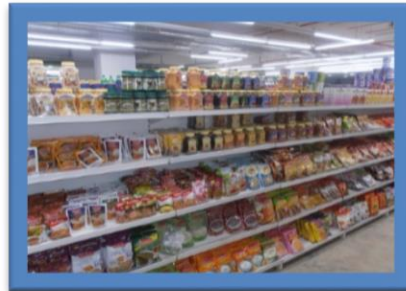   c. Does BD bisect ∠ABC? Give reasons.
       (Working Space)

SCIENCE

Topic : Water/Wastewater Management

- Water is an important resource which should be used judiciously. Conservation of any resources means avoiding their wasteful use. List five easy ways to conserve water at home and in school.

- You live near river. You notice that your neighbours throw all their garbage into river. They justify their action by saying that the garbage they throw is very little as compared to the dirt thrown into the river by the surrounding factories. Is this thinking correct? Explain.

SOCIAL SCIENCE

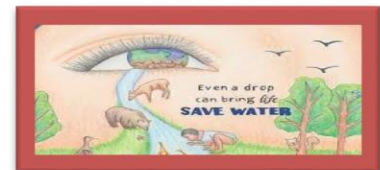## SOCIAL AND POLITICAL LIFE

Referring to the pictures given above answer the following questions:

i) Identify the two types of markets.
ii) Out of these two types of market, which one do you prefer to visit? Give any two reasons for the same.
iii) Which type of market do we find more in India? Give any two reasons for the same.

- With the help of a flow chart explain how as a consumer we are able to buy a packet of biscuit from the market.

  (Write the answers in the Social and Political Life note book.)

- Complete the revision assignment as per term 2 syllabus in the same note book. The assignment has been uploaded on the website.

NOTE: *Please complete all the assignments of Geography, History and Social and Political Life as per the assignment booklet, for the months of November and December in the respective notebooks.*

INFORMATION TECHNOLOGY

- Roll Nos 1 - 15
  On half chart paper, draw an infographic poster on "Beware" explaining briefly any 5 threats on Social Media.
- Roll Nos 16 - 30
  On half chart paper, draw an infographic poster on "Safety Precautions for Social Networking Sites" explaining briefly any 5 precautions.
- Roll Nos 31 onwards
  On half chart paper, draw an infographic poster on "Advantages of Social Networking Sites" explaining briefly any 5 precautions.

  Use Google Search to search quality information about the different topics specified above. Make sure that you search information only in the presence of an elder.The best poster may find a place in the School Magazine.