

Home Assignment – May 09, 2020
Class VII

English

Q.1 Imagine yourself playing in the park one day. Just as you were about to leave, there was a flash above with a whirring sound. When you looked up, you saw something like the given picture.

Taking the help of the following hints along with your own ideas, write a story on the UFO sighting in about 150-175 words. Give the story a suitable title.



Hints:

- strange light in the sky
- alien creatures
- strange features
- suspicious movements
- your reaction



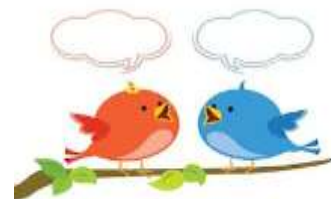
Q.2. You believe: ‘Reading is dreaming with open eyes.’

However, reading just does not interest your cousin.

In your own words, write a review of an interesting book that you have read recently. Remember to include important details of the story. Make your review interesting so as to ignite the interest of your cousin into reading this book.

Q.3. ‘Nothing compares to a beautiful conversation with a beautiful mind.’

On a cold day in December, two birds are sitting on a branch and talking about the coming winter. Write their imaginary conversation in 06 sets of dialogues.



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हिंदी

प्रश्न-1- निम्नलिखित काव्य पंक्तियों को पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए ;

खुशबू बनकर धरती पर तू, चारों ओर बिखरता जा।
लाख मुश्किलें आएँगी, तू सच की राह पर चलता जा।।

लहरोंकी धारा तेज़ बढ़ी, तिनके कब तक टिक पाएँगे।
मज़बूत इरादा है जिनका, वे नदी पार कर जाएँगे।।

किया किसी ने बुरा अगर, तू फिर भी भलाई करता जा।
लाख मुश्किलें आएँगी, तू सच की राह पर चलता जा।।

तू चल अकेला फिर क्या है, तेरी हिम्मत दुनिया देखेगी।
तू आज है मंज़िल ढूँढ़ रहा, कल तुझको मंज़िल ढूँढ़ेगी।।

काँटों से भरी है अगर राह, तू हँसकर आगे बढ़ता जा।
लाख मुश्किलें आएँगी, तू सच की राह पर चलता जा।।

- (क) कवि कैसी राह पर चलने को कह रहे हैं?
(ख) लहरों की धारा कैसी है?
(ग) नदी कौन पार कर पाएगा और कौन नहीं?
(घ) सच की राह कैसी है?

शब्द-युग्म:

शब्द-युग्म अर्थात शब्दों का जोड़ा। जब किसी पंक्ति में दो शब्द एक साथ आएँ, उनके बीच योजक चिह्न लगा हो, उन्हें शब्द-युग्म कहते हैं। उदाहरण: बार-बार, हँसना-रोना, साधु-संत।

प्रश्न -2- इसी प्रकार पाँच अन्य उदाहरण लिखिए।

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प्रश्न-3- रिक्त स्थानों में रेखांकित शब्दों के विलोम शब्द लिखिए:

- (क) लंका में हनुमान ने विराट एवं..... रूप धारण किया।
(ख) शिक्षा एवं संस्कार असभ्य व्यक्ति को..... बनाते हैं।
(ग) सर्दी और के मौसम में भोजन का विशेष ध्यान रखना चाहिए।
(घ) मैंने चन्द्रमा का भी देखा है और बढ़ना भी।
(ङ) और पुण्य एक ही सिक्के के दो रूप हैं।

प्रश्न-4 निम्नलिखित चित्र में कुछ शब्द हैं, उनके दो दो पर्यायवाची शब्द अपनी व्याकरण पुस्तक की सहायता से लिखिए:



प्रश्न-5- अपने मित्र को पत्र लिख कर बताइये कि घर पर रह कर आप किस प्रकार पढ़ाई के साथ साथ घर के कामों में भी सहयोग कर रहे हैं।

(प्रारूप दिया जा रहा है, आप विषय का विस्तार करें):

पता :

इंदौर(म.प्र.)

दिनांक:

संबोधन:

अभिवादन:

विषय का विस्तार

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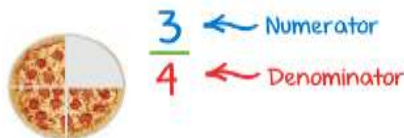
Mathematics

Topic: Fractions and Decimals

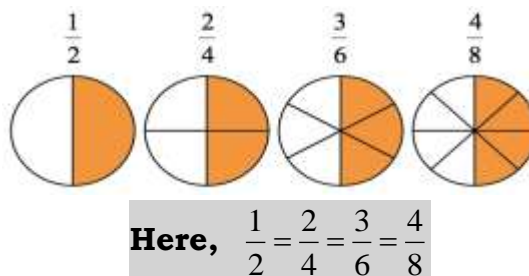
General Instructions:

- I) Do not copy the questions.
- II) Write proper steps and reasons wherever necessary.

Fraction – It is a number representing part of a whole.



Equivalent fraction – Two fractions are said to be equivalent if they have the same value.



Comparison of fractions –

- For Like fractions – Fraction with larger numerator is larger.
- For Unlike fractions – First change them to like fractions and then compare the numerators.

Note: For the comparison of two fractions we can use cross multiplication method.

Addition and Subtraction of fractions –

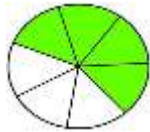
- For Like fractions – Add or subtract the numerators and put the answer over the same denominator.
- For Unlike fractions – First change them into like fractions by taking LCM of the denominators and then add or subtract.

$$\frac{3}{4} - \frac{1}{2} = \frac{3}{4} - \frac{2}{4} = \frac{3-2}{4} = \frac{1}{4}$$

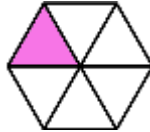
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Q.1 For the following figures:

a)



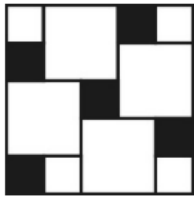
b)



Write down:

- i) the number of equal parts
- ii) the number of shaded parts
- iii) the fraction of shaded parts
- iv) the fraction of unshaded parts

Q.2 What fraction of large square is UNSHADED?



Q.3 Which of the following fractions is/are same as $\frac{25}{30}$?

$\frac{5}{6}$	$\frac{45}{48}$	$\frac{15}{18}$
(i)	(ii)	(iii)

Q.4 Compare the fractions and put correct signs $>$, $<$ or $=$

a) $\frac{7}{6}$ $\frac{5}{9}$

b) $\frac{9}{20}$ $\frac{11}{14}$

Q.5 Arrange $\frac{5}{8}$, $\frac{7}{12}$, $\frac{11}{24}$ and $\frac{17}{36}$ in ascending order.

Q.6 Find the following:

a) $3\frac{1}{2} + 4\frac{3}{5}$

b) $8\frac{1}{4} - 2\frac{5}{6}$

c) $\frac{5}{2} + 2\frac{3}{4} + 3\frac{3}{5}$

d) $7\frac{5}{6} - 4\frac{3}{8} - 2\frac{7}{12}$

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Q.7 Reena painted $\frac{3}{5}$ of the wall and her brother painted $\frac{2}{3}$ of the wall. Who painted larger part of the wall?



Q.8 Aunt Thelma planted a herb garden. She planted rosemary in $\frac{3}{5}$ of the garden. She planted parsley in $\frac{1}{15}$ of the garden. She planted chives in the remaining part of the garden. What fraction of the garden did she plant with chives?



Decimal - Fraction – We can represent fraction with denominators 10, 100, 1000 etc. as a decimal. Examples: $\frac{3}{10} = 0.3$ and $\frac{2395}{1000} = 2.395$



Change Decimal to Fraction –

a) $0.23 = \frac{23}{100}$ b) $1.037 = \frac{1037}{1000}$

Change Fraction to Decimal –

Example: Convert $\frac{7}{8}$ into decimal.

Method 1: Converting fraction into decimal -

$$\frac{7}{8} = \frac{7 \times 125}{8 \times 125} = \frac{875}{1000} = 0.875$$

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Method 2: By long division

$$\begin{array}{r}
 0.875 \\
 8 \overline{) 7.000} \\
 \underline{-0} \\
 70 \\
 \underline{-64} \\
 060 \\
 \underline{-56} \\
 40 \\
 \underline{-40} \\
 00
 \end{array}$$

Answer: $\frac{7}{8} = 0.875$

To compare, add and subtract decimal numbers write decimal numbers as **like** decimals.

$9.\overset{\color{red}2}{\color{yellow}25}$
 $9.\overset{\color{red}7}{\color{red}70}$

↑ ↑
 same different

Since $2 < 7$,
 $9.25 < 9.7$.

Common error when adding and subtracting decimals

23.6	23.60
$+ 1.73$	$+ 1.73$
$\hline .409$	$\hline 25.33$

It helps if I add a zero on the right

Q.9 Fill in the blanks:

- a) If 1 cm is $\frac{1}{100}$ of a metre. We write 2 cm = _____ m.
 b) If 1 km is 1000 m then 5 km 30 m = _____ km.
 c) If 1 g = 1000 mg then 8.08 g = _____ mg.

Q.10 Arrange 18.345, 18.453, 18.34, 8.34, 18.5 in descending order.

Q.11 Simplify the following:

- a) $18.03 + 146.3 + 0.89 + 5.324$ b) $108.032 - 86.8$
 c) $36.54 - 15.79 + 85.2 - 57.615$ d) $78.067 + 5.347 - 63.001$

Q.12 Express the following fractions as decimals:

- a) $\frac{3}{5}$ b) $\frac{16}{25}$ c) $25\frac{1}{8}$

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Q.13 Write each of the following decimals as a fraction in lowest term:
 a) 0.342 b) 8.28 c) 6.125

Q.14 Shown here is the bill that Ravi got.

CASH MEMO		RISHI STATIONERS Shop No.16,Main Market Freegunj, Ujjain Ph:23452	
BILL NO.:			
DATE :			
M/s. Mr. Ravi			
S.No.	Particulars	Quantity	Amount
1.	Pencils	8	RS 12.00
2.	Notebooks	5	RS 27.50
3.	Geometry Box	1	RS 40.00
TOTAL:			RS 79.50
Rs. Seventy nine and fifty paise			
SUBJECT TO UJJAIN JURISDICTION		For, RISHI STATIONERS	
ALL STATIONERY AT ONE SHOP			

What is the balance amount that Ravi received if he gave ₹ 100 to the shopkeeper?

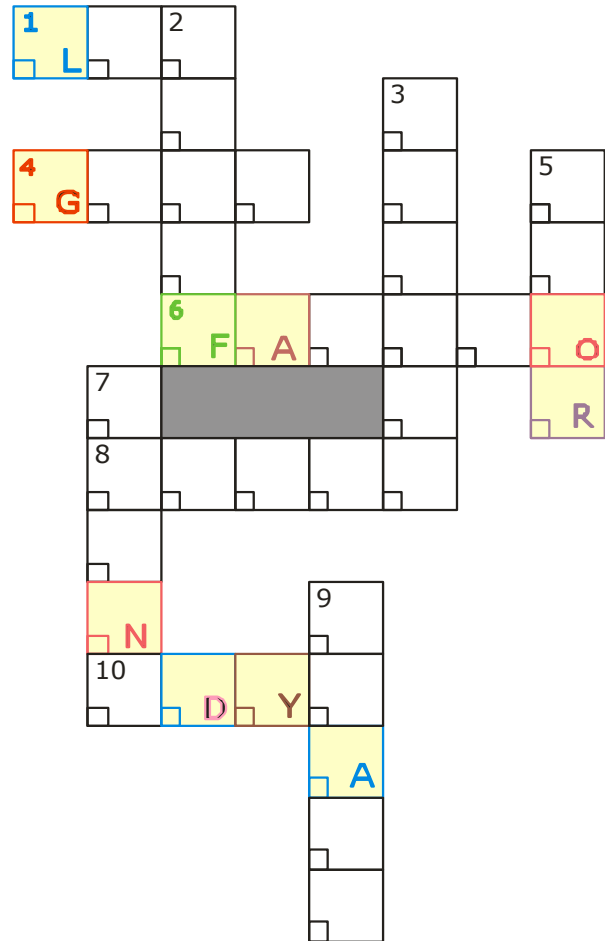
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PUZZLE

Solve the problems and write your answers in the across and down positions. Decimal should be shown in the small box drawn inside the big box at correct position. The number you record in the highlighted box shows where the letter should go in the code boxes at the bottom to solve the riddle.

ACROSS	
1.	57.61 – 48.07
4.	59.01 – 6.40
6.	862.391 – 47.555
8.	392.11 – 47.09
10.	4.307 – 3.1

DOWN	
2.	76.344 – 34.726
3.	267.841 – 79.009
5.	6.339 – 2.176
7.	184.37 – 49.66
9.	647.82 – 73.09



What fire – breathing insect was never slain by a knight?

1	2	3	4	5	6	7	8	9	0
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HELP CORNER TO FILL THE PUZZLE

Example	Representation in Puzzle								
6.32	<table border="1" style="margin: auto;"> <tr> <td style="border: 1px solid black; width: 20px; height: 20px;">6</td> <td style="border: 1px solid black; width: 20px; height: 20px;">3</td> <td style="border: 1px solid black; width: 20px; height: 20px;">2</td> </tr> <tr> <td style="border: 1px solid black; width: 20px; height: 20px;">.</td> <td style="border: 1px solid black; width: 20px; height: 20px;">E</td> <td style="border: 1px solid black; width: 20px; height: 20px;">.</td> </tr> </table>	6	3	2	.	E	.		
6	3	2							
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12.89	<table border="1" style="margin: auto;"> <tr> <td style="border: 1px solid black; width: 20px; height: 20px;">1</td> <td style="border: 1px solid black; width: 20px; height: 20px;">2</td> <td style="border: 1px solid black; width: 20px; height: 20px;">8</td> <td style="border: 1px solid black; width: 20px; height: 20px;">9</td> </tr> <tr> <td style="border: 1px solid black; width: 20px; height: 20px;">.</td> <td style="border: 1px solid black; width: 20px; height: 20px;">.</td> <td style="border: 1px solid black; width: 20px; height: 20px;">.</td> <td style="border: 1px solid black; width: 20px; height: 20px;">P</td> </tr> </table>	1	2	8	9	.	.	.	P
1	2	8	9						
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573.452	<table border="1" style="margin: auto;"> <tr><td style="border: 1px solid black; width: 20px; height: 20px;">5</td></tr> <tr><td style="border: 1px solid black; width: 20px; height: 20px;">7</td></tr> <tr><td style="border: 1px solid black; width: 20px; height: 20px;">3</td></tr> <tr><td style="border: 1px solid black; width: 20px; height: 20px;">4</td></tr> <tr><td style="border: 1px solid black; width: 20px; height: 20px;">5</td></tr> <tr><td style="border: 1px solid black; width: 20px; height: 20px;">2</td></tr> <tr><td style="border: 1px solid black; width: 20px; height: 20px;">.</td></tr> </table>	5	7	3	4	5	2	.	
5									
7									
3									
4									
5									
2									
.									

H	E	L	P
4	6	5	9

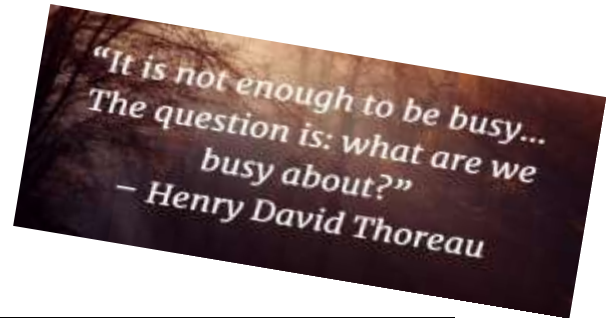








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PROJECT

Nothing is a waste of time if you use the experience wisely.

Mentioned below are some of the activities in which you are engaged every day at home.



Self-Study 	Playing 	Sleeping 
Reading 	Screen time 	Extra co-curricular activity 

For the parameters mentioned above:

- i) Identify the time spent by you in hours for a day.
- ii) Express the time spent as a fraction of the whole day.
- iii) Convert each fraction into decimals.

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Science (Biology)

Topic: Nutrition in Plants

- **Organisms living on the earth are of two types based on their mode of nutrition:**

Autotrophs vs. Heterotrophs

Autotrophs

- make their own food
- include plants, some protists, and some bacteria



Heterotrophs

- CANNOT make their own food; must obtain energy from outside sources
- Includes animals, fungi, and some bacteria



- **Autotrophic organisms perform the process of photosynthesis as they have green pigment known as chlorophyll filled in chloroplasts in their cells.**

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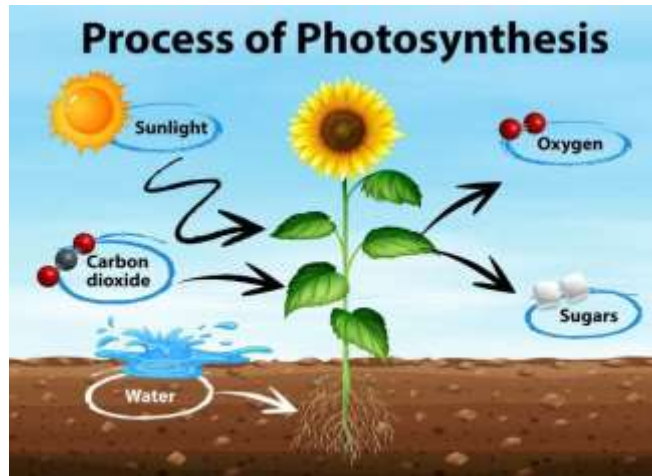


Fig 1.1

Q. 1

(a) Complete the following word equation representing photosynthesis:

Carbon dioxide + Water-----→ _____ + _____

(b) What is the importance of the process to the living world?

Q.2 Photosynthesis requires chlorophyll and a few other raw materials. Add the missing raw materials to the list given below;

Water, minerals, (a) _____, (b) _____

Q.3 Which of the following statements is/are correct?

- (i) All green plants can prepare their own food.
- (ii) Most animals are autotrophs.
- (iii) Carbon dioxide is not required for photosynthesis.
- (iv) Oxygen is liberated during photosynthesis.

Choose the correct answer from the options given below:

- (a) (i) and (iv)
- (b) (ii) only
- (c) (ii) and (iii)
- (d) (i) and (ii)

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Q.4 Potato and ginger are both underground parts of plant that store food. Where is the food prepared in these plants? How does this food get transported to these places within the plant body?

Q.5 Fill in the blanks of the paragraph given below with the words provided. Chlorophyll, energy, food, carbon dioxide, water, photosynthesis:

Note: A word can be used more than once

Leaves have a green pigment called (a) _____ which captures (b) _____ from sunlight. This (c) _____ is used in the process of (d) _____ and along with other raw materials like (e) _____ and (f) _____ synthesize (g) _____.

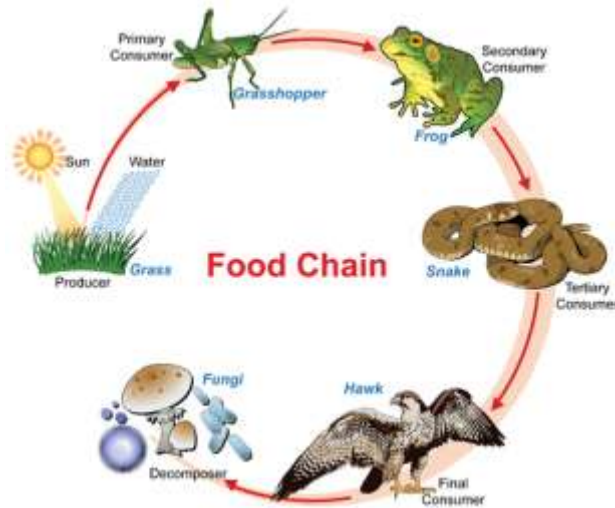
- **Few plants on the earth perform some special modes of nutrition (other than being autotrophic) based on their requirements of nutrients with or without some structural modifications in them.**

Q.6 Match the organisms given in Column I with their mode of nutrition given in Column II.

Column I	Column II
(a) Mango tree	(i) Insectivorous plant
(b) Mushroom	(ii) Heterotroph
(c) Pitcher plant	(iii) Autotroph
(d) Cuscuta	(iv) Saprophyte
(e) Elephant	(v) Parasitic

- **The flow of energy in a food chain is always from green plants i.e. from producers to the animals i.e. the consumers.**

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Q.7 Wild animals like tiger, wolf, lion and leopard do not eat plants. Does this mean that they can survive without plants? Give a suitable explanation.

RESEARCH AND ANSWER

Q.8 Name the following and mention the type of heterotrophic mode of nutrition exhibited by each.



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Social Science

Topic :Tracing Changes Through A Thousand Years

Q.1 A Historical source is an original source that contains important historical information. Here is a list of different examples of sources which help historians to find about the past. Classify the following as Archaeological or Literary sources:

- Inscriptions
- Beads
- Drawings found on Pillars
- Jewellery
- Writings on walls of Caves
- Ancient Ruins
- Monuments
- Coins
- Travelogues
- Tools and Pottery
- Holy Texts
- Chronicles Of Rulers
- Letters
- Teachings of Saints
- Manuscripts



Q2 Answer the following in one word:

- a. A person who draws or produces maps.
- b. A place where documents and manuscripts are stored.
- c. A person who copies manuscripts.
- d. This refers to the environment of a region and the social and economic lifestyle of its residents.
- e. An influential, wealthy individual who supports another person-an artiste, a craftsman, a learned man or a noble.



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Q.3 Read the given paragraph and answer the questions that follow:

One group of people who became important in this period was the Rajputs, a name derived from “Rajaputra”, the son of a ruler. Between the eighth and fourteenth centuries the term was applied more generally to a group of warriors who claimed the Kshatriya caste status-not just rulers and chieftains but also soldiers and commanders who served in the armies of different monarchs all over the subcontinent. A chivalric code of conduct – extreme valor and a great sense of loyalty – were the qualities attributed to Rajputs by their poets and bards.

- What is the literal meaning of the word ‘Rajput’?
- What are the characteristics associated with the Rajput clan?
- How did the Rajput clan serve in the Indian subcontinent?

Q.4 Historical records, languages, and the meaning of words change with the time. Historians have to check the meanings of the terms and words they use, as they change from time to time. Find out about the usage of the term ‘Hindustan’ by different rulers and chroniclers in different contexts.

Q.5 Here are some pictures of the monuments constructed during the medieval period. Research on the basis of the points given below:

- Name of the monument
- Location
- Names of the rulers who constructed it
- Type of architecture
- Material used
- One important feature associated with it

