

**NOTE:**

1. Do English (Comprehensions), Hindi, Physics, Chemistry, Biology ,History and French work as per the instructions given in the class.
2. Do English, Maths and Geography worksheets that follow.

**Geography( Practice Sheet) Class-7**

Answer the following –

1. The important parallels passing through Africa –
2. How many countries are there in Africa?
3. The southern most point and tip of Africa –
4. A waterbodies found in the east and north of Africa –
5. The longest river in the world is-
6. A river whose tributaries are Ubangi and Kasai-
7. Africa is separated from Europe by-
8. The northern part of Africa is a-
9. Two oases found in Africa –
10. A desert found in the south of Africa –
11. An inland basin of Africa –
12. A young fold mountain found in the northwest of Africa –
13. A block mountain found in the east African rift valley of Africa –
14. What kind of a crop is cocoa?
15. Location of Ghana-
16. The year in which Ghana got its independence –
17. The capital of Ghana is-
18. Tumbadors are-
19. Machete is a-
20. Mention the years when Takoradi and Tema factories have started –

Define the following terms-

1. Strait
2. Isthmus
3. Gorge
4. Cocoa triangle
5. Fermentation

Give reasons –

1. Cocoa is called Ghana's black gold.
2. Most of the cocoa crop is exported from Takoradi and Tema.
3. Africa is called a 'Dark Continent's.
4. Egypt is known as the 'gift of Nile'.
5. Most of the rivers of Africa are not navigable.
6. Africa is known as a plateau continent.

**Dr. Virendra Swarup Education Centre, Kidwai Nagar**  
**Class VII English Language Practice Sheet 12**

**Q1. Do as directed:**

1. We must listen to his words. (Change into passive voice)
2. I am as brave as him. (Change into comparative degree)
3. Seema said, "What a beautiful sunrise!" (Use: exclaimed)
4. These Chinese products are too cheap to be good. (Use: so.....that)
5. Rahul said, "Do you know how to ride a bike?" (Change into indirect speech)
6. She performed well in an unbelievable manner on the stage. (Use: unbelievably)
7. He tried a lot. He couldn't climb up the tree. (Use: although)
8. If you do not study for the test, you can't pass it. (Use: unless)
9. I like this book. It is helpful in preparation for the test. (Use: which)
10. She said to us, "Please don't be late." (Change into indirect speech)
11. She said, "Who was that kind woman?" (Begin: She asked.....)
12. The bell rang. The children left the school. ( Use: No sooner.....than)
13. You should improve your expression. You should improve your spellings. (Use: not only....but also)
14. You may make a move now. You may leave tomorrow. (Use: either...or)
15. Put out the fire with water. (Change into passive voice)
16. We have constructed the building. (Begin: The building.....)
17. Author in this passage describes beauty of nature. (Insert articles)
18. Bring me the cap. It is lying on the bed. (Join using a relative pronoun)
19. This is one of the hottest deserts in the world. (Use: as hot as)
20. We were watching a cricket match on television. (Change into passive voice)

**Q2. Fill in the blanks with suitable prepositions.**

1. The prisoners were deprived \_\_\_\_\_ basic human rights.
2. Postal delays were caused due \_\_\_\_\_ heavy rain.
3. He exchanged Indian currency \_\_\_\_\_ US dollars.
4. He congratulated me \_\_\_\_\_ my success.
5. His fondness \_\_\_\_\_ games affected his studies.
6. He is ignorant \_\_\_\_\_ the facts.
7. The princess is heir \_\_\_\_\_ the throne.
8. My team leader differs \_\_\_\_\_ me \_\_\_\_\_ many issues.
9. She accused me \_\_\_\_\_ stealing her bag.
10. I took great delight \_\_\_\_\_ singing songs.

**Q3. Identify the words using clues given, number of letters in the word and prefixes mentioned.**

1. ex \_\_\_\_\_ - give or receive one thing in return for another (8)
2. un \_\_\_\_\_ - troubled or uncomfortable (6)
3. sub \_\_\_\_\_ - captions displayed at the bottom of a screen in movies or shows (9)
4. ambi \_\_\_\_\_ - able to use both hands skilfully (12)
5. dis \_\_\_\_\_ - give oneself a different appearance (8)

**Q4. Rewrite the following sentences by converting the underlined phrases into one word adverbs.**

1. By sheer luck, my family got seats in the business class.
2. Mrs. Thapar acted in a strange manner to everyone's astonishment..
3. The boss handles his employees in a firm manner.
4. Mr. Thakur smiled and nodded with affection.
5. They put up posters for the school fete in all places.

**Dr. Virendra Swarup Education Centre, Kidwai Nagar  
Class VII English Language Practice Sheet 13**

**Q1. Read the conversation given below and complete the passage that follows:**

Diya: Why do you look upset?  
Anu: Tomorrow I have to go to Chennai to participate in a quiz competition.  
Diya: Don't worry you will do well.  
Anu: The problem is that tomorrow my sister is getting engaged.

Diya asked Anu (a)..... . Anu replied that (b)  
..... in a quiz competition. Diya told her not to worry and assured her  
that (c).....  
Anu then told her that the problem (d) .....  
getting engaged.

**Q2. Complete the following passage by filling the blanks with suitable prepositions.**

Early rising is good (a)..... the mind and body. The great advantage (b) ..... early rising is the  
good start it gives us (c)..... our day's work. (d)..... the morning hours, the mind is fresh and  
there are few sounds and distractions. So, the work done (e)..... that time is generally well done.  
Besides, an early riser also finds time (f)..... take some exercise (g) ..... the fresh morning  
air.

**Q3. Do as directed.**

1. Spare the rod and spoil the child. (Begin: If.....)
2. Ravi may not be clever but he is certainly hard-working. (Begin: Although.....)
3. It is very cold and I need a coat. (Begin: It is so.....)
4. He has lost all his teeth, consequently he cannot eat hard food. (Begin: As.....)
5. He had to pay the fine or go to jail. (Begin: If.....)
6. If the salary is good, I shall take the job. (Use: provided)
7. You must leave early or you will miss the train. (Begin: Unless.....)
8. If I were a cook, I would choose a simple dish. (Begin: Were.....)
9. If it rained, we would stay indoors. (Use: In case)
10. Had I known he is a thief, I would not have trusted him. (Begin: If.....)

**Q4. In the passage given below there is an error in each line. Write the incorrect word and also the correction in the space provided.**

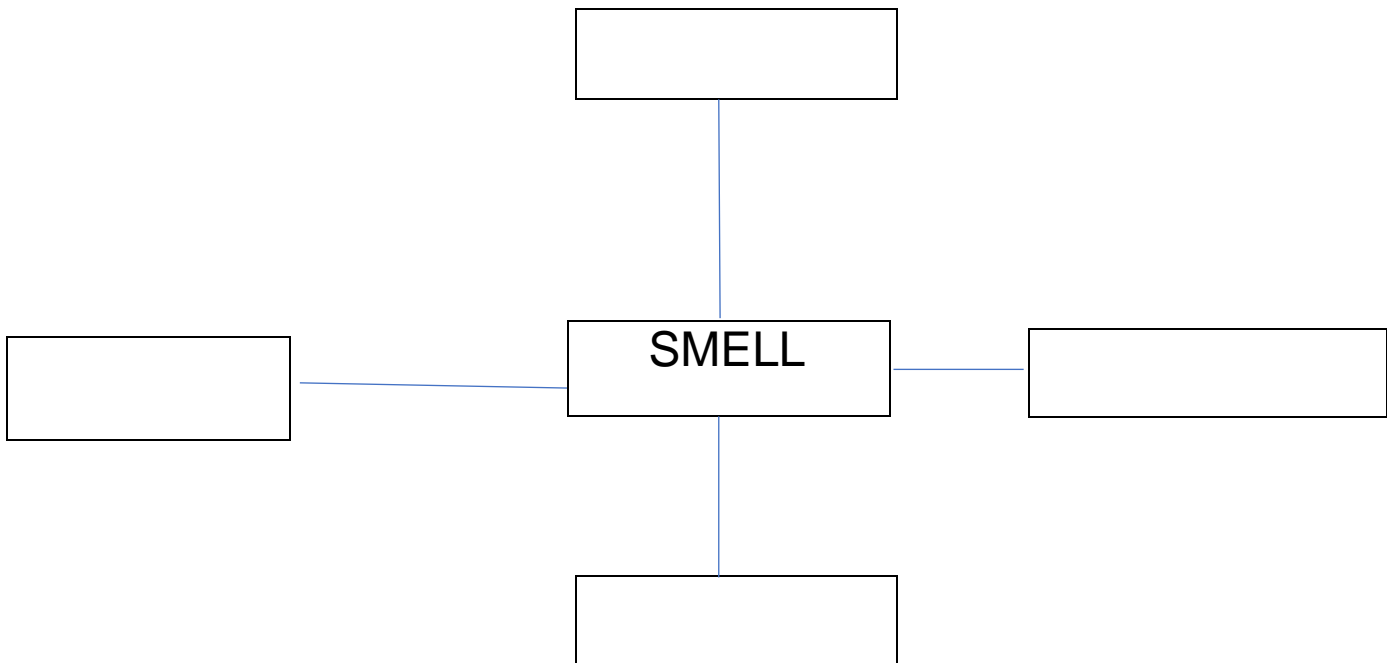
	<b>Incorrect</b>	<b>Correct</b>
It is gravity that make the pendulum	(a).....	.....
clock keep time by pull the	(b).....	.....
pendulum bob up to the centre	(c).....	.....
of the earth whenever that swing	(d).....	.....
up above it lowest point. The	(e).....	.....
gravitational force on the poles is	(g).....	.....
slightly more then that at the	(h).....	.....
equator. Therefore, it you take a	(i).....	.....
pendulum clock from Panama until	(j).....	.....
Alaska, it will gain near three	(k).....	.....
minutes a day.		

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**Class VII English Language Practice Sheet 14**

**Q1. Correct the following sentences.**

1. The jury was divide in their opinions.
2. Neither of the girls is to blame for the mistake.
3. Each and every boy are going for a picnic.
4. The children enjoyed themselves on the zoo yesterday.
5. Amrita Pritam, the famous writer, passed by at an age of eighty six.
6. The thief run away before the police had came.
7. What is the plain fair from Delhi to Chennai?
8. He said "will you listen to such a man."
9. No sooner had the bell ring, the boys leave the class.
10. One of the five murderers have already been nabbed.

**Q2. Fill in each empty space in the word web with words related to 'smell'.**



**Q3. Punctuate the following passage.**

Great hornbills can grow to a length of almost one and a half metres the body is covered with black feathers with the wing tips having a band of white feathers the tail measures almost a metre and is white with bands of black feathers their bill is yellow and curved downward

**Q4. Write one word for the following :**

1. A person who introduces radio and TV programmes-\_\_\_\_\_
2. A person who designs buildings and supervises their construction-\_\_\_\_\_
3. A person who breaks into a building to steal-\_\_\_\_\_
4. One who sells fish\_\_\_\_\_
5. A person who makes or sells spectacles-\_\_\_\_\_
6. A person at a railway station, hotel or airport, who carries your luggage-\_\_\_\_\_
7. An annual calendar containing important dates and statistical information such as astronomical data and tide tables-\_\_\_\_\_
8. The arrangement of events or dates in the order of their occurrence-\_\_\_\_\_

9. A system of government by one person with absolute power-\_\_\_\_\_
10. Nursery where babies and young children are cared for during the working day-\_\_\_\_\_

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**Class VII English Language Practice Sheet 15**

**Q1. Rewrite the following sentences by replacing the underlined verbs with appropriate phrasal verbs. Choose the phrasal verbs from the box and use their correct forms.**

carry out    make out    call out    passed away    call upon
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1. We cancelled our plan because of bad weather.
2. I now invite Mr. Kapoor to address the meeting.
3. We all have certain duties to perform.
4. I could see a dark figure in the twilight.
5. After a long battle with cancer the professor died yesterday.

**Q2. Complete the spelling of these words by writing -ible or able. Their meanings are given in the brackets.**

1. indispens..... (necessary, that cannot be dispensed with)
2. innumer..... (too many to be counted)
3. inhospit..... (not favourable conditions)
4. insens..... (unconscious)

**Q3. Fill in the blanks in the sentences below with words from Q2.**

1. The climate of this place is extreme. It is \_\_\_\_\_ .
2. The service of an experienced person like him is \_\_\_\_\_ to this organisation.
3. There are \_\_\_\_\_ applications for this one post.
4. He is not aware of the consequences of making such \_\_\_\_\_ remarks.

**Q4. Change the following sentences into passive voice.**

1. They have made a number of changes in our school.
2. We are holding the Inter- School Sports Meet here in January.
3. They have built a new basketball court.
4. They will complete the work on the tennis court this year.
5. They will inaugurate the new library next year.
6. They will open the new school canteen next month.
7. How do you write that word?
8. She watered the flowers every day.
9. Do not leave your bicycle in the hall.
10. Can you learn French easily?

**Q5. Add suitable prefixes to form antonyms of the following words.**

- a. regard-\_\_\_\_\_
- b. pure-\_\_\_\_\_
- c. patient-\_\_\_\_\_
- d. auspicious-\_\_\_\_\_
- e. hydrated-\_\_\_\_\_

**Dr Virendra Swarup Education Centre Kidwai Nagar, Kanpur**  
**MATHS REVISION WORKSHEET (2022-23)**

**CLASS - VII**

**Recapitulation**

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**PROFIT , LOSS AND DISCOUNT**

1. A man bought oranges at 8 for Rs 34 and sold them at 12 for Rs 57. Find his gain and loss percent.
2. By selling 33 metres of cloth , one gains the selling price of 11 metres . Find the gain percent.
3. Ranjit purchased an almirah for Rs 5248 and paid Rs 127 for its transportation . He sold it for Rs 6020. Find his gain or loss percent .
4. A man buys two cricket bats , one for Rs 1360 and the other for Rs 1040 . He sells the first bat at gain of 15% . Find his gain or loss percent in the whole transaction.
5. If the selling of an article is  $\frac{4}{5}$ <sup>th</sup> of its cost price , find the loss percent .
6. The marked price of a ceiling fan is Rs 1750 and the shopkeeper allows a discount of 6% on it . Find the selling price .
7. An article marked at Rs 587.50 is sold for Rs 517. Find the rate of discount offered.
8. Find the single discount equivalent to two successive discounts of 20% and 5%.
9. The price of a sweater was slashed down by a shopkeeper from Rs 850 to Rs 731. Find the rate of discount given by him.
10. A calculator was bought for Rs 435 after getting a discount of 13% . Find the marked price of the calculator.

**RATIO AND PROPORTION**

1. Express each of the following ratios in simplest forms:-  
a) 1m 8cm : 72cm                      b) 1hour 15minutes : 45 minutes                      c) 2kg 750g : 3kg  
d) 1year 9months : 2 year 4 months
2. Divide Rs 3726 among A , B , C in the ratio  $\frac{1}{3} : \frac{1}{4} : \frac{1}{6}$  .
3. Divide Rs 1050 between Geeta and Renu in the ratio  $2\frac{2}{3} : 6\frac{2}{3}$  .
4. If  $A : C = 5 : 8$  and  $B : C = 5 : 6$  , find  $A : B$  and  $A : B : C$  .
5. Check whether 3.5 , 4.9 , 3 & 4.2 are in proportion .
6. Find the value of x if :  $2\frac{3}{4} : 3\frac{1}{2} :: 1\frac{3}{8} : x$  .
7. Find the forth proportional to  $\frac{2}{3}, \frac{4}{7}, 1\frac{5}{6}$  .
8. Find the third proportional to 8 & 12.
9. Find the mean proportion between :- i) 3 and 27                      ii) 0.2 and 0.8
10. If 18 , x , 50 are in continued proportion , then find the value of x .

**Dr Virendra Swarup Education Centre Kidwai Nagar, Kanpur**  
**MATHS WORKSHEET (2022-23)**  
**CLASS - VII**  
**Recapitulation**

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### ALGEBRA

1. Add the following expressions :-

i)  $3x + 8y - 5z$ ,  $7x - 9y + 6z$ ,  $x - 2y - 3z$ ,  $z - 5x + 3y$

ii)  $y^2 - x^2$ ,  $2x^2 - 3y^2$ ,  $5y^2 - 3x^2$ ,  $6x^2 + 2y^2$

iii)  $2p + 3r + 4q$ ,  $7r + 3p - 2q$ ,  $q - r - p$ ,  $5p + 4q - 8r$

iv)  $1 - x - x^2 - 3x^3$ ,  $2x^2 + x^3 + 3$ ,  $x^2 + 5x - 2$ ,  $x^3 - x^2 - 3x$

2. Subtract :-

i)  $3y - 5z$  from  $6z - 4y$

ii)  $3a - 5b - 2c$  from  $2a - 3b - c$

iii)  $p^2 - q^2 + 5r^2$  from  $q^2 - p^2 - 2r^2$

iv)  $5x^2 + x - 11$  from  $x^2 - 2x + 8$

3. Subtract  $a^3 - 3a^2$  from  $b^3 - 3b^2$ .

4. Multiply :- i)  $(2x^2 - 5x + 6)$  by  $-3x$

ii)  $(3x^2y - 2xy^2 + 5xy - 6)$  by  $4xy$

iii)  $(a + 5)$  by  $(a + 4)$

iv)  $(y - 4)$  by  $(y - 6)$

v)  $(4x^2 + 3x - 5)$  by  $(2x + 3)$

5. Divide :- i)  $45x^7$  by  $-9x^4$

ii)  $-60x^3y^2$  by  $-15xy$

iii)  $6ax - 3cx + 15x$  by  $-3x$

iv)  $10mn^2 - 15m^2n^2 + 5m^2n$  by  $-5mn$

v)  $8a^3b - 16a^2b^2 - 6a^4b^3$  by  $-2a^2b$

vi)  $\frac{1}{2}p^2q^3 - \frac{5}{8}p^3q^2 + \frac{1}{4}p^3q^3$  by  $\frac{1}{4}p^2q^2$

### LINEAR EQUATIONS

Solve the following equations :

1.  $4x - 9 = 2x + 7$

2.  $5y + 18 = 11 - 2y$

3.  $21 - 3(x - 7) = x + 20$

4.  $3(y - 7) - 2(3y - 4) = (2 - 5y)$

5.  $3(t - 5) - 16t = 12 - 2(t - 3)$

6.  $\frac{3x}{4} - \frac{(x-4)}{3} = \frac{5}{3}$

7.  $\frac{(z+5)}{6} - \frac{z+1}{9} = \frac{z+3}{4}$

8. 17 less than four times a number is 11. Find the number.

9. If 10 be added to four times a certain number, the result is 5 less than five times the number. Find the number.]

10. A number is 25 more than  $\frac{5}{6}$ th part. Find the number.

11. 6 more than one-fourth of a number is two-fifth of the number. Find the number.

12. If one-fifth a number decreased by 5 is 16, find the number.

13. A number when divided by 6 is diminished by 40. Find the number.

**Dr Virendra Swarup Education Centre Kidwai Nagar, Kanpur**  
**MATHS WORKSHEET (2022-23)**  
**CLASS - VII**

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1. Find the square root of the following nos. by long division method:

i) 9409 ii) 166464 iii) 69696 iv) 765625 v) 1085764

2. Length of a rectangle is 5cm more than twice its breadth. If the perimeter of the rectangle is 52cm, find its length and breadth.

3. A man is 27 years older than his son, and in 10 years from now he will be twice as old as his son. How old is each now?

4. Solve these inequalities:

i)  $2x + 7 \leq 9$  ii)  $2(3x - 1) \geq 10$  iii)  $4 - 9p > 1 - 11p$

5. If  $5^{5x+5} = 1$ , then  $x = ?$

6. Solve for the variable indicated:

i)  $t = \sqrt{l}$  for  $l$  ii)  $\frac{a}{b} = \frac{c}{6d}$  for  $c$  iii)  $s = \frac{1}{2}gt^2$  for  $t$  iv)  $A = a(1 + 3rt)$  for  $r$

v)  $T = 2\pi\sqrt{\frac{l}{g}}$  for  $g$  vi)  $v^2 = u^2 + 2as$  for  $s$

7. Solve for  $x$ : i)  $\frac{x}{2} + \frac{x}{3} - \frac{3x}{4} = 3$  ii)  $\frac{x+3}{7} - \frac{2x-5}{3} = \frac{3x-5}{5} - 25$  iii)  $\frac{3x-2}{7} - \frac{5x-8}{4} = \frac{1}{14}$

8. A buys an article for Rs65 and sells it to B at a profit of 20%. B sells to C at a loss of 20%. What does C pay for it?

9. The ratio of two sides of a parallelogram is 3 : 5, and its perimeter is 48cm. Find the sides of the parallelogram.

10. ABCD is a rhombus.  $\angle BAC$  is  $37^\circ$ . Draw a sketch and find the four angles of the rhombus.

11. Find the sum of the interior angles of a polygon with 19 sides.

12. Calculate the size of each interior angle of a regular 90-gon polygon.

13. How many sides has a polygon if the sum of its interior angles is 20 right  $\angle$ s?

14.  $\triangle ABC$  is an isosceles triangle with  $AB = AC$ . AD is the perpendicular from A on BC. Is

i)  $\triangle ABD \cong \triangle ACD$  ii) Is  $BD = DC$

15. Solve the foll. Inequation and graph the solution set:

i)  $3 - 2x \geq x - 12, x \in N$  ii)  $2(3x - 1) \leq 16, x \in N$  iii)  $-5 \leq x < -2$

16. A man lent equal sums of money at  $5\frac{1}{2}\%$  and 4% p.a. resp. for a period of 3years. If he earned Rs72 more for the money lent out at  $5\frac{1}{2}\%$ , find the sum of money lent at 4%.

17. Factorise: i)  $x^2y - xy^2$  ii)  $100 - \frac{49}{16a^2}$  iii)  $2p(y - x) + q(x - y)$  iv)  $3mn + 2pn + 3mq + 2pq$  v)  $ab^2 - bc^2 - ab + c^2$

18. Evaluate: i)  $(2ax + 9y)^2$  ii)  $(\frac{3}{5}a - 10b)^2$  iii)  $(502)^2$  iv)  $(169)^2 - (131)^2$  v)  $53 \times 47$