

ST. MARY'S ACADEMY

CLASS 6

CLASS 6

ENGLISH

ST. MARY'S ACADEMY

CLASS 6

Name: _____

Section: _____

Subject: English

Worksheet No: 1-

Noun: A noun is a word to name places, things and people. You can make a word into a noun by adding a suffix to it. A suffix is a group of letters added to the end of the word. It usually changes the word into a different part of speech. For example, if you add the suffix ----- 'ance' to the word perform, you can make a new word performance. In this way you have changed the verb into a noun.

Make noun from these verbs:

1. Criticize _____
2. Adopt _____
3. Attract _____
4. Resist _____
5. Equal _____
6. Correct _____
7. Collect _____
8. Annoy _____

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9. Residing _____

10. Bore _____

11. Celebrate _____

12. Cooperate _____

Fill in the blanks with the nouns formed from the words in brackets

1. _____ demands that you tender an _____ at once (decent, apologize).

2. The army plays a significant role in the _____ and _____ of our motherland. (protect, defend)

3. It is better to display _____ rather than _____ in most matters (prudent, ignorant)

4. The famine led to widespread _____ and _____. (Starve, die).

5. Abraham Lincoln brought about freedom from _____ and _____ (bond, slave)

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Pronouns: Pronouns are those words, which are used instead of nouns.

Fill in the blanks with suitable pronouns

1. _____ wishes to see me?
2. The student _____ finishes first will get a reward.
3. _____ of you can enter the competition.
4. _____ must be careful of one's own reputation
5. I cannot bring _____ to hurt his feelings
6. The dog buries _____ bone in the backyard.
7. Those children are intelligent _____ will win the prize
8. _____ is better than what I bought yesterday.
9. _____ of the children takes it in turn to look after their pet.
10. He gave away _____ he did not need.

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Adjective: An adjective is a describing word. It says something more about a noun. An adjective can be modified by an adverb of a degree like “very” or “too”. An adjective has comparative and superlative forms.

Forming adjectives:

Adjectives may be formed from

I. Noun:

Example: dirt – dirty, hope – hopeful

II. Verb:

Example: tire – tiresome, talk – talkative

III. Other adjectives:

Example: whole – wholesome, white – whitish

Fill in the blanks with the adjectives formed from the words in brackets.

1. Atif is a _____ boy. (mischief)

2. Her _____ behavior won her no friends. (outrage)

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3. The dishonest man's money and his _____ property was seized by the authorities. (move)
4. I am _____ of no one. (envy)
5. The _____ violence seen in the film is repulsive. (sense)
6. The snoopy is the most _____ dog I have seen (meddle)
7. It is not a _____ crime. (pardon)
8. Dark _____ clouds gathered in the sky. (storm)

Degrees of adjective:

Comparative: When two things are compared, we add _er to an adjective. **Superlative:** When one thing is compared with the rest of, all we add _est o an adjective. E.g. small – smaller - smallest

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Add comparative and superlative degrees.

| | | |
|----------|--|--|
| 1. Tall | | |
| 2. Big | | |
| 3. Young | | |
| 4. Short | | |
| 5. Old | | |

More and most are also added with some adjectives

| | | |
|----------------|--|--|
| 1. Beautiful | | |
| 2. Intelligent | | |
| 3. Honest | | |
| 4. Hardworking | | |
| 5. Kind | | |

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CLASS 6

MATHS

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Name: _____

Section: _____

Subject: Maths

Worksheet No: 1-

Learn and write these definitions three times each.

Natural numbers: Counting numbers from 1 to infinity (1,2,3,4,.....)

Whole numbers: Counting numbers from 0 to infinity (0,1,2,3,.....)

Even numbers: An even number is any number that can be divided by 2. Any number whose last digit is 0,2,4,6,8 is an even number.

Odd numbers: An odd number is any number that cannot be divided by 2, so any number whose last digit is 1,3,5,7,9 is an odd number.

Prime numbers: A number that can only be divided by the number 1 and itself for example 2,3,5.

Composite numbers: A number that can be divided by not only 1 and itself but also by at least 1 other number or it has more than 2 factors for example 4,6,8....

Rational numbers: A number that can be written as $\frac{p}{q}$ where $q \neq 0$ for example

$$\frac{2}{3}, \frac{5}{7}, \frac{9}{5}$$

Decimal numbers: A decimal is a number that includes a decimal point and digits to the right of the decimal point for example 123.46

Prime numbers from 1 to 100:

2,3,5,7,11,13,17,19,23,29,31,37,41,43,47,53,59,61,67,71,73,79,83,89,97.

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Name: _____

Section: _____

Subject: Maths

Worksheet No: 2-

Divisibility Rules

A number is divisible by:

| | |
|----|--|
| 2 | If last digit is 0,2,4,6,8. |
| 3 | If the sum of the digits is divisible by 3. |
| 4 | If the last two digits is divisible by 4. |
| 5 | If the last digit is 0 or 5. |
| 6 | If the number is divisible by 2 and 3 |
| 7 | Cross off the last digit, double it and subtract. Repeat if you want. If new number is divisible by 7, the original number is divisible by 7 |
| 8 | If the last 3 digits are divisible by 8 |
| 9 | If the sum of the digits is divisible by 9 |
| 10 | If the last digit is 0 |
| 11 | Subtract the last digit from the number formed by the remaining digits. If new number is divisible by 11, the original number is divisible by 11 |
| 12 | If the number is divisible by 3 and 4 |

Is the number to the left of each row divisible by the number at the top of each column? Check the boxes.

[illegible]

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Subject: Maths

Worksheet No: 3-

Multiples: A multiple of a number is the product of that number and a non-zero whole number for example 16 is a multiple of 2.

Factors: One number is a factor of another number if it divides into that number with no remainder. 2 is a factor of 16.

$$5 \times 4 = 20$$

Where 5 and 4 are factors of 20 and 20 is a multiple of 4 and 5

Q1. Write first 6 multiples of:

- a. 5
- b. 7
- c. 8
- d. 9
- e. 12
- f. 14
- g. 16
- h. 21

Q2. Write all factors of:

- a. 8
- b. 10
- c. 12
- d. 16
- e. 20
- f. 48
- g. 56
- h. 72

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Section: _____

Subject: Maths

Worksheet No: 4

Square and square roots: A perfect square is a number whose square root is a whole number. For example, $5^2 = 25$, then $\sqrt{25} = 5$. ($\sqrt{} = 1/2$)

Cubes and cube roots: A perfect cube is a number whose cube root is a whole number. For example, $5^3 = 125$, then $\sqrt[3]{125} = 5$. ($\sqrt[3]{} = 1/3$)

Learn and write this table 2 times.

| Perfect squares | Square roots | Squares |
|-----------------|-------------------|--------------|
| 1 | $\sqrt{1} = 1$ | $1^2 = 1$ |
| 4 | $\sqrt{4} = 2$ | $2^2 = 4$ |
| 9 | $\sqrt{9} = 3$ | $3^2 = 9$ |
| 16 | $\sqrt{16} = 4$ | $4^2 = 16$ |
| 25 | $\sqrt{25} = 5$ | $5^2 = 25$ |
| 36 | $\sqrt{36} = 6$ | $6^2 = 36$ |
| 49 | $\sqrt{49} = 7$ | $7^2 = 49$ |
| 64 | $\sqrt{64} = 8$ | $8^2 = 64$ |
| 81 | $\sqrt{81} = 9$ | $9^2 = 81$ |
| 100 | $\sqrt{100} = 10$ | $10^2 = 100$ |
| 121 | $\sqrt{121} = 11$ | $11^2 = 121$ |
| 144 | $\sqrt{144} = 12$ | $12^2 = 144$ |
| 169 | $\sqrt{169} = 13$ | $13^2 = 169$ |
| 196 | $\sqrt{196} = 14$ | $14^2 = 196$ |
| 225 | $\sqrt{225} = 15$ | $15^2 = 225$ |

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Learn and write this table 2 times.

| Perfect cubes | Cube roots | Cubes |
|---------------|-----------------------|---------------|
| 1 | $\sqrt[3]{1} = 1$ | $1^3 = 1$ |
| 8 | $\sqrt[3]{8} = 2$ | $2^3 = 8$ |
| 27 | $\sqrt[3]{27} = 3$ | $3^3 = 27$ |
| 64 | $\sqrt[3]{64} = 4$ | $4^3 = 64$ |
| 125 | $\sqrt[3]{125} = 5$ | $5^3 = 125$ |
| 216 | $\sqrt[3]{216} = 6$ | $6^3 = 216$ |
| 343 | $\sqrt[3]{343} = 7$ | $7^3 = 343$ |
| 512 | $\sqrt[3]{512} = 8$ | $8^3 = 512$ |
| 729 | $\sqrt[3]{729} = 9$ | $9^3 = 729$ |
| 1000 | $\sqrt[3]{1000} = 10$ | $10^3 = 1000$ |

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CLASS 6 SCIENCE

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CLASS 6

Name: _____

Section: _____

Subject: Science

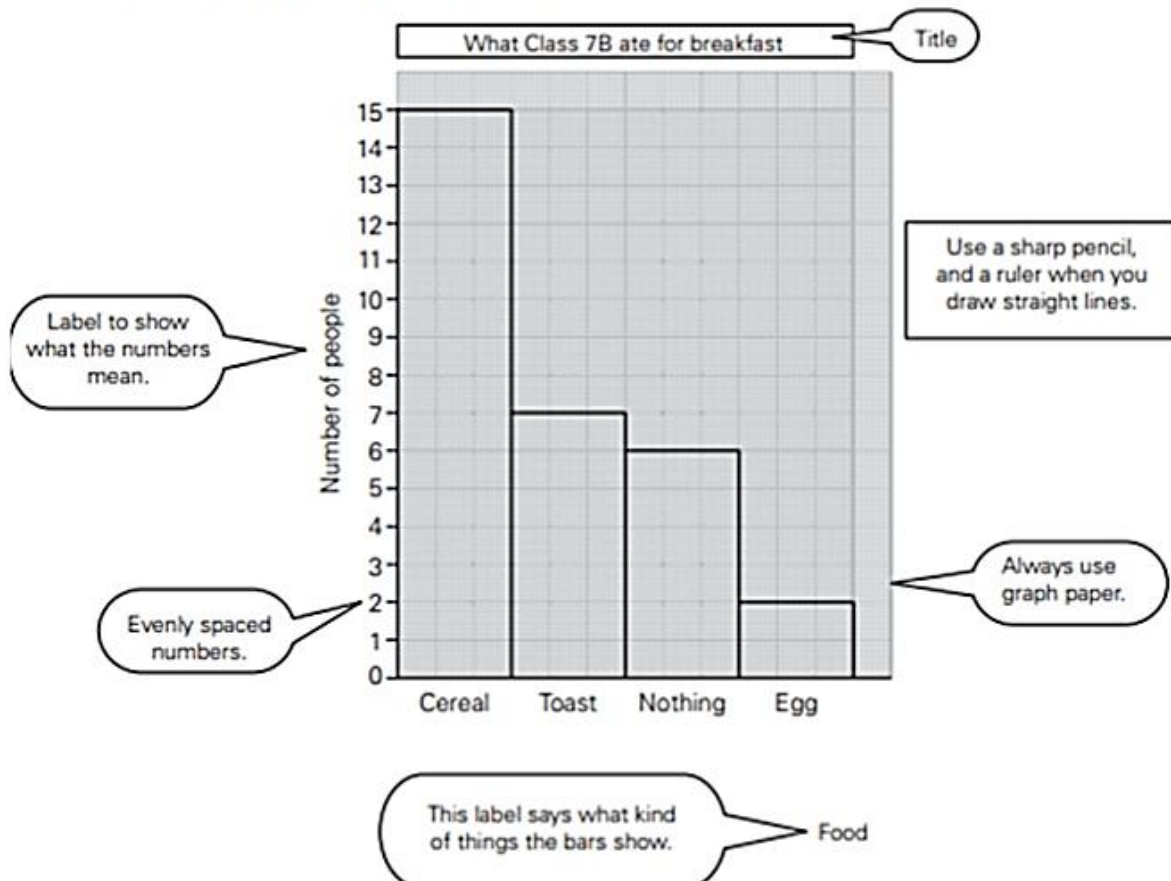
Worksheet No: 1-

Question 1:

You have done a survey to show what the people in your class had for breakfast, and these are your result.

| Food | Number of People |
|---------|------------------|
| Cereal | 15 |
| Toast | 7 |
| Egg | 2 |
| Nothing | 6 |

Draw a bar chart like this one to show your results:



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Draw bar charts to show the results of these surveys.

a. Number of plants in a lawn.

| Plant | Number |
|-----------|--------|
| Daisy | 10 |
| Buttercup | 7 |
| Clover | 20 |
| Thistle | 2 |

b. Colour of cars on road.

| Colour | Number of cars |
|--------|----------------|
| Black | 12 |
| White | 10 |
| Blue | 8 |
| Red | 1 |

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Name: _____

Section: _____

Subject: Science

Worksheet No: 2-

Topic: Living Things

Question 1: Complete the given table using the words provided below showing characteristics of living things.

| | | | | | | |
|-----------|--------|----------|-----------|----------------|--------------|-------------|
| Excretion | Growth | Movement | Nutrition | Release Energy | Reproduction | Sensitivity |
|-----------|--------|----------|-----------|----------------|--------------|-------------|

| | Characteristic of life | Animals | Plants |
|--|------------------------|---|--|
| | | running away from danger | growing towards light |
| | | food | flowers closing at night |
| | | smelling or hearing danger | sense light (and growing towards it) |
| | | from an egg into a chicken | from a seed into a tree |
| | | babies, young | flowers are pollinated and produce seeds |
| | | urinating, breathing out carbon dioxide | plants excrete oxygen |
| | | eating | plants make their own food by photosynthesis |

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Which characteristics from Question 1 do you see in each picture? Name as many as you can.



| |
|-------|
| _____ |
| _____ |
| _____ |
| _____ |
| _____ |
| _____ |



| |
|-------|
| _____ |
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| _____ |

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Name: _____

Section: _____

Subject: Science

Worksheet No: 3-

Topic: Living things

Q1. Use the words given below to fill in the blanks in the sentences.

Eggs, body surface, vibrations, hairy, scent

- a. Snakes have a special organ in the head which reacts to _____ and helps the snake to trail its prey.
- b. Spiders have _____ legs.
- c. A fish feels _____ in the water.
- d. Birds, reptiles, and insects lay _____ from which babies hatch.
- e. Animals _____ such as earthworms and frogs breathe through their moist when they are in water.

Q2. Give reasons why:

A. A cat is alive.

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B. A pencil is not alive.

Q3. List down the characteristics of living things:

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____

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Name: _____

Section: _____

Subject: Science

Worksheet No: 4-

Topic: Cells

**Q1. Complete the passage below using words from this list.
You may use the words more than once.**

| |
|--|
| Reproduction, excretion, sensitivity, seven, respiration |
|--|

Living organisms differ from non-living objects in that they carry out _____ vital processes. These are often called the characteristics of living things. The release of energy from food molecules is called _____. The ability of living things to produce copies of themselves is known as _____, while the ability to respond to changes in their surroundings is called _____. The removal of the waste products that have been produced by the organism is known as _____.

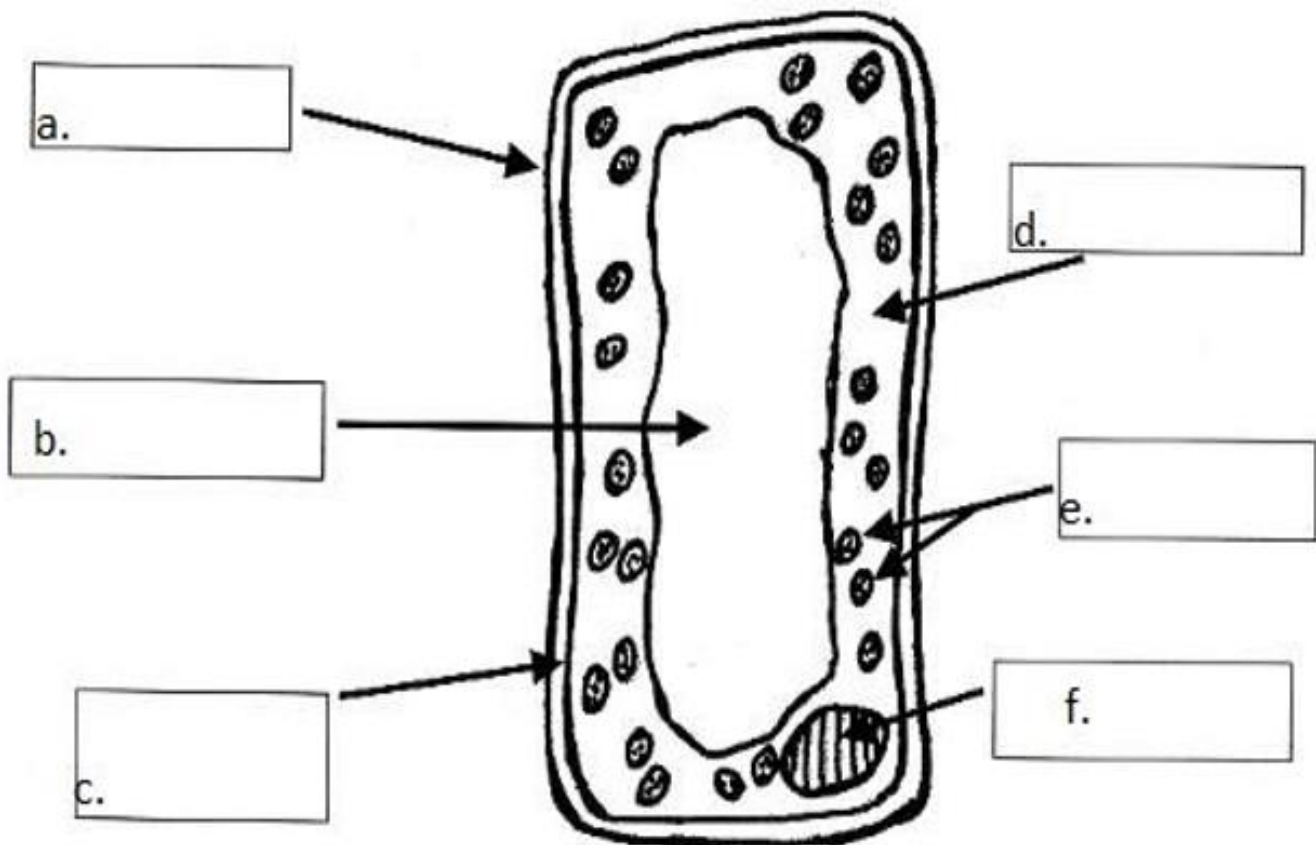
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Q2. This cell is from the leaf of a plant. Six parts of the cell are labelled with letters of the alphabet.

Match each name in the list below to the correct letter of the diagram:

| | | |
|------------|----------------|-------------|
| Cell wall, | cell membrane, | cytoplasm, |
| nucleus, | vacuole, | chloroplast |



Q3. Draw a labelled diagram of the Plant cell.

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URDU

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Name: _____

Section: _____

Subject: Urdu

س. درج ذیل عبارت کا بغور مطالعہ کیجیے اور دیے گئے سوالات کے جوابات تحریر کیجیے

محترمہ فاطمہ جناح ہمارے لیڈر محمد علی جناح کی چھوٹی بہن تھیں۔ محترمہ اعلیٰ تعلیم یافتہ خاتون تھیں۔ انھوں نے خواتین کو بیدار کرنے اور سیاسی پلیٹ فارم پر جمع کرنے میں اہم کردار ادا کیا۔ انھوں نے اپنی ساری زندگی قومی مفادات کے لیے وقف کر دی۔

انھوں نے ہر قدم پر قائد اعظم کا ساتھ دیا۔ عوامی جلسوں میں بھی بھائی کے شانہ بشانہ شریک رہیں۔ وہ خواتین کے قومی سیاسی سماجی کردار کے ساتھ ساتھ ان کے گھریلو کردار سے بھی براہ راست وابستہ تھیں۔

انھوں نے مسلم خواتین کی سیاسی اور فکری رہنمائی کی۔ وہ خواتین کے عام گھریلو مسائل میں بھی ان کی رہنمائی کرتیں۔ ان کی خدمات کے اعتراف میں قوم نے انھیں مادر ملت کے لقب سے نوازا۔

محترمہ فاطمہ جناح کون تھیں؟

محترمہ نے خواتین کے لیے کیا کام کیا؟

محترمہ کو قوم نے کس خطاب سے نوازا؟

پیرا گراف کا عنوان تحریر کیجیے؟

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س۔ مندرجہ ذیل الفاظ کے مترادف لکھے۔

خواتین۔۔۔۔۔

قوم۔۔۔

قوت۔۔۔۔

حیثیت۔۔۔

س۔ درج ذیل الفاظ کو جملوں میں اس طرح استعمال کریں کہ مطلب واضح ہو جائے۔

مقبولیت۔

خواتین۔

بے مثال۔

جذبہ۔

س۔۔۔ پیراگراف میں سے دو اسم نکرہ تلاش کر کے لکھیے۔

ج۔

س۔ درج ذیل الفاظ کے متضاد الفاظ لکھیے۔

براہ راست۔۔۔۔۔

قوت۔۔۔۔

حوصلہ افزا۔۔۔۔

س۔ درج ذیل اشارات کی مدد سے ایک کہانی تحریر کیجیے جس کا نتیجہ ہو

محنت کبھی رائیگاں نہیں جاتی۔

س۔ درج ذیل قافیے کی مدد سے تین تین لفظ بنا

پاکستان۔۔۔ ذہین۔۔۔

سیراب۔۔۔۔

رحمت۔۔۔

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س۔ اللہ تعالیٰ کی دس نعمتوں کے نام لکھیں۔

ج۔۔

س۔ صفا نئی کی اہمیت پر ایک پیرا گراف تحریر کیجیے۔

ج۔۔

کہانی کے لیے اشارات درج ذیل ہیں۔

ایک کوا بہت۔۔۔۔۔ تھا

وہ پانی کی۔۔۔۔۔ میں۔۔۔۔۔ تھا

اچانک اسے ایک۔۔۔۔۔ نظر۔۔۔۔۔ آیا

پانی پیندے میں۔۔۔۔۔

کوے نے ایک۔۔۔۔۔ سوچی

پانی۔۔۔۔۔ اور اڑ گیا

نتیجہ۔ محنت کبھی رائیگاں نہیں جاتی۔

ST. MARY'S

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عنوان (کھیل)

مندرجہ ذیل خالی جگہیں مناسب الفاظ کی مدد سے پُر کریں۔

۱۔ پاکستان کا قومی کھیل۔۔۔۔۔ ہے۔ (کرکٹ۔ فٹ بال۔ ہاکی۔ کبڈی)

۲۔ کھیل کس کا اظہار کرتے ہیں۔۔۔۔۔ (عادت کا۔ ثقافت کا۔ فارغ وقت کا۔ امارت کا)

۳۔ کھیل آنکھ مچولی مقبول ہے۔۔۔۔۔ (شہروں میں۔ دیہاتوں میں۔)

۴۔ کھیل انسان کو بناتے ہیں۔۔۔۔۔ (چست۔۔۔۔۔ ست۔۔۔)

س۔ درج ذیل الفاظ کے متضاد لکھیں۔

شیریں۔۔۔۔۔

معروف۔۔۔۔۔

شہر۔۔۔۔۔

قومی۔۔۔۔۔

محبت۔۔۔۔۔

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(حروف بیان)

کسی بات کو بیان کرنے یا اس کی وضاحت کے لیے جن حروف کا استعمال کیا جاتا ہے وہ حروف بیان کہلاتے ہیں۔ اردو میں صرف کہ حرف بیان ہے۔

مثال کے طور پر۔ (اسلم نے کہا کہ وہ ہماری دعوت کرے گا۔)

)

)

(تم زیادہ لکھا کرو تا کہ تمہاری لکھائی بہتر ہو۔)

ان جملوں میں لفظ کہ حرف بیان ہے۔

س۔ مندرجہ ذیل جملوں میں سے حرف بیان علیحدہ کر کے لکھیے۔

۱۔ مجھے علم نہیں کہ وہ اے گا یا نہیں۔

۲۔ اس نے مجھے بتایا کہ وہ کامیاب ہو گیا۔

س۔ اپنے پسندیدہ کھیل کا نام لکھیں اور ایک پیراگراف لکھ کر اس کھیل سے متعارف کرائیں؟

درج ذیل الفاظ کو جملوں میں استعمال کریں۔

لازوال۔۔و

مقبول۔۔۔

ریلے۔۔۔

مزین۔۔۔

مقدس۔۔۔

نوٹ (صفائی کا خاص خیال رکھیں)

اللہ پاک سب کو محفوظ و سلامت رکھے۔۔امین