



# MODERNAGE

## PAKISTAN

*A place to flourish, thrive & shine*

## WINTER HOMEWORK



# Grade IV



Website: [www.maps.edu.pk](http://www.maps.edu.pk)

**Modernage Public School & College, Pakistan**  
**Homework for Winter Break Class Four**  
**Session 2025 – 26**

**Dear Parents/Guardians**

Finally, Winter is here, signaling the end of the Academic session 2024 and start of a winter break.

We take great pleasure in announcing the successful culmination of the academic session 2024. Observing the continuous development and advancement of your child has been a source of immense satisfaction. To foster ongoing engagement with education during the holiday period, we are providing a comprehensive work pack comprising a multitude of enjoyable tasks and intellectually stimulating activities. Thank you for being an integral partner in your child's education. We eagerly anticipate another year of mutual growth and learning.

**Dear Modernites!**

Reflect on the achievements and lessons learned during the previous academic session. Complete the assigned exercises in your respective subjects, embracing the knowledge gained. Take a moment to chill and recharge during this winter break. Use the new year as a fresh start for academic goals and personal growth. Ensure neatness and organization in your work. We hope that you have cheerful and safe Winter vacation with your families.

The school will remain closed for winter vacation from **Fri, 20<sup>th</sup> December, 2024 till Sun 02<sup>nd</sup> March, 2025** and reopen on **Mon 03<sup>rd</sup> March, 2025 In Sha Allah.**

Submit the completed assignment till 10<sup>th</sup> March 2025.

Looking forward to your cooperation. A copy of this homework is also available at the official webpage [www.maps.edu.pk](http://www.maps.edu.pk), the portal and app of Modernage.

**Best Regards**

**Academic Coordinator**

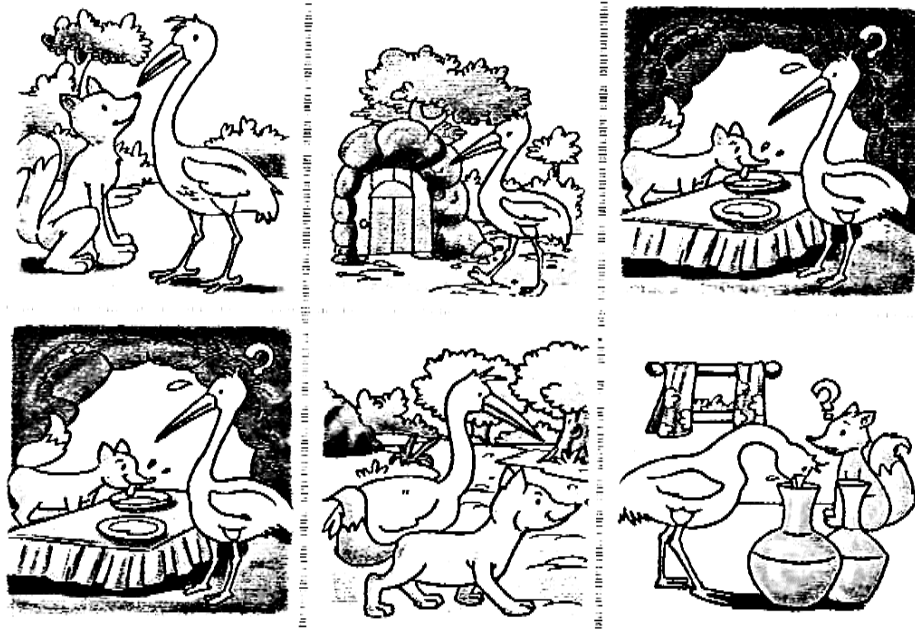
Happy New Year.

**Note:** Certificates will be awarded for extra ordinary efforts and complete homework. Each task carries 10 marks. Please use loose sheets for your assignments.

**Note for the Students:**

1. Read at least 2 story books of English and Urdu to enhance the reading skills and write the central idea and review of them. Write at least 50 new words from the story books that you have read.
2. Recite any poem with action from your book, make a video and share with your teacher.
3. Learn and write multiplication tables from 2 – 14 up to 12 times. Write each table 3 times on loose sheets.
4. Take a few pictures from newspapers or magazines, about environmental issues. Cut and paste those pictures on blank sheets. Write suggestions about what will be your contribution towards resolving those issues.
5. Make sure to write one page in cursive every day. Learn the basic strokes using the link provided. [https://youtu.be/6W4cfuvwsg0?si=LsubKr\\_viBn1CQPX](https://youtu.be/6W4cfuvwsg0?si=LsubKr_viBn1CQPX)

1. Take a cutting of any news report or story from any English newspaper or magazine. Paste it in your homework folder and underline parts of speech by using different colours. (noun, pronoun, adjective, verb, adverb, preposition, conjunction)
2. Read any one book by Roald Dahl and write its summary. Bring the book to class after the vacation and discuss your favourite part with the class.
3. Write down a story based on the following pictures. Give a title to the story and write its moral.



4. ‘Storytelling is the most powerful way to put ideas into the world today.’ You could have some pleasurable time reading online during the vacation. Visit these sites to listen to stories online.

[www.storybee.org](http://www.storybee.org)

[www.stornory.com](http://www.stornory.com)

Make a video of yourself narrating a story you like the most with intonation and share with your English teacher. (You can use props as well).

5. Suppose it is your mother’s birthday next week. How can you make it memorable for her? What planning will you do? Write about 150 to 200 words.
6. Write a letter to your teacher. Describe something you enjoyed learning about in the year 2023.
7. Learn spellings of all the words given in the spelling bee list and make sentences of any 20 words from it.



8. Write words in the given blanks. They all begin with the letter n.
- The eleventh month of the year. \_\_\_\_\_
  - It is part of pen. \_\_\_\_\_
  - Where a bird lays its eggs. \_\_\_\_\_
  - It is used to catch fish. \_\_\_\_\_
  - Opposite of wide. \_\_\_\_\_
  - Bees gather it from flowers. \_\_\_\_\_
  - A planet in our Solar System. \_\_\_\_\_
  - It is used for sewing. \_\_\_\_\_
  - Photographs are developed from these. \_\_\_\_\_
  - Very dark blue. \_\_\_\_\_
9. Do you ever feel disturbed about something? Do you trust someone enough to share your concerns with him or her? How do they help you?  
Do you feel better after talking to someone about your problem?
10. Think about a story book you read recently. While reading, you got so absorbed in the story that you actually became one of the characters of the book.
- Write about how you cope with it.
  - Which character do you turn into?
  - What adventures or misadventures do you have?
  - How do you come back from that situation?
11. Look at the picture carefully and describe it.



12. Make your own mini dictionary.  
Take a storybook. Find fifty words that are difficult for you to read or understand. Note them on your dictionary. Also find the meanings of these words.
13. Listen to the English news on TV daily from Monday to Friday and write about at least 3 news that you have heard in your own words.

**Class: 4****Spelling Bee List**

Learn the following words by heart.

agreement	comprehension	gully	mould	router
artificial intelligence	dragger	gush	memories	resistant
airlift	definition	gust	magnificent	reins
albatross	disabled	government	moustache	rabies
approach	disposable	gymnastics	marvelous	responder
applaud	doubtful	habitat	military	satellite
atmosphere	disgusting	hatch out	nightmare	scroll
appreciate	duplicate	hatchling	nightwear	scrap
accident	dromedary	header	nudge	specialty
appropriate	draught	herd	Northern Atlantic	shepherd
astronauts	downpour	hiss	orangutan	sculpture
antecedent	demonstrate	horizon	out law	seize
articulate	definitely	hurricane	overjoyed	stammer
agreement	elevator	hilarious	original	supersonically
argumentative	emerge	hippopotamus	oasis	symbolize
bilingual	environment	hesitated	opportunities	splutter
biplane	equipment	heroic	orangutan	specialism
beanstalk	erect	invent	omelette	Siberian
breathless	erupt	isle	participant	syllabus
breeding	exoskeleton	interruption	propeller	swallowed
Bruce	extinction	indescribable	porridge	summarize
buggy	exhibit	imprison	possession	spaghetti
Britain	electrical engineer	Indonesia	poverty	sprained
behavior	entangled	intonation	Petronas	terracotta
blizzard	exclamatory	inflectional	parliament	terrified
Bosporus	exclaim	journal	pyramids	thunder cloud
beginning	extensive	jelly	Parthenon	tripod
Borneo	extend	jealousy	pedestrians	turtle
biodiversity	exclamation	journalist	prefer	throat
browse	favor	jewels	possibilities	transitional

competitive	flipper	kidnap	population	triathlete
catastrophe	fete	kangaroo	probabilities	training
collapse	fragment	lean	pronunciation	useless
congestion	frostbite	lettuce	parable	unisex
contrary	furious	luxury	quad bike	uneven
coriander	familiar	lonelier	quadrangle	unicorn
crawl	furniture	luxurious	quadruplet	universal
channel	formal	luggage	questionnaire	unscrewed
carbon dioxide	foreign language	labelled	queries	umpire
caption	gang	measles	quiet	unbelievably
conceal	gigantically	messenger	receipt	vertical
conservative	giggle	memorial	reduce	volunteer
coliseums	gleam	miniature	reflect	vulture
conjunction	grieve	mirage	reverse	victim
Columbus	growl	monument	reserve	valuable
coriander	grunt	muddled	release	warrior
wiggly	whisper	wag	yogurt	
wingspan	whipped	xian	yeast	
wrinkle	weatherman	x-ray	zebra	
wizard	wrapper	xylophone	Zulbury	
worst	wrecked plane	yelling	zigzag	

- سوال نمبر 1- ہمارے لیے سب سے بڑی نعمت ہمارے والدین ہیں۔ اس موضوع پر ایک پیرا گراف لکھیں۔
- سوال نمبر 2- سیرت نبی سے نبی ﷺ کا بچوں سے محبت و شفقت کا کوئی واقعہ تحریر کریں۔
- سوال نمبر 3- اپنے صوبے کے بارے میں ایک معلوماتی پیرا گراف لکھیں۔
- سوال نمبر 4- اللہ تعالیٰ کی عطا کردہ پانچ نعمتوں کے نام اور ان کی ضرورت و اہمیت کے بارے میں لکھیں۔
- سوال نمبر 5- ایفائے عہد کے موضوع پر ایک اخلاقی کہانی لکھیں۔
- سوال نمبر 6- آپ کا پسندیدہ پیشہ کون سا ہے اور کیوں؟ اس پیشے کی معاشرے میں کیا اہمیت ہے۔
- سوال نمبر 7- ذرائع ابلاغ میں سے کسی ایک ذریعے کی تصویر اپنی کاپی پر چسپاں کریں۔
- سوال نمبر 8- اپنے پسندیدہ کسی قدرتی منظر کے بارے میں دس جملوں پر مبنی ایک پیرا گراف لکھیں۔
- سوال نمبر 9- قومی ترانہ لکھیں اور زبانی یاد کریں۔
- سوال نمبر 10- دیا گیا گوشوارہ مثال کے مطابق مکمل کیجیے۔

فعلِ ماضی	فعلِ حال	فعلِ مستقبل
ثوبیہ نے خط لکھا تھا۔	ثوبیہ خط لکھتی ہے۔	ثوبیہ خط لکھے گی۔
	بندر شور مچا رہا ہے۔	
		اُمی جان کپڑے دھوئیں گی۔
ایمان بازار گئی تھی۔		
	میں پودوں کو پانی دیتا ہوں۔	
بلی چُو ہے کے پیچھے بھاگی تھی۔		

سوال نمبر 11- دیے گئے حروف کے ساتھ پانچ حرفی یا چھ حرفی الفاظ تحریر کریں (کم از کم تین)۔

			ب
			ت
			ج
			د
			ر
			ص
			ظ

سوال نمبر 12- اعداد اور الفاظ کی مدد سے خالی جگہ پر کیجیے۔

- ۱- میرے پاس \_\_\_\_\_ (۶) قلم ہیں اور آٹھ (\_\_\_\_) پنسلیں ہیں۔
- ۲- درختوں کے جھنڈ میں بارہ (\_\_\_\_) آم اور \_\_\_\_\_ (۱۳) کینو کے درخت ہیں۔
- ۳- جماعت میں \_\_\_\_\_ (۱۶) میزیں اور \_\_\_\_\_ (۲۰) کرسیاں ہیں۔
- ۴- نوکرنے \_\_\_\_\_ (۲۳) روپے کی دال اور پچیس (\_\_\_\_) روپے کا آٹا خریدا۔
- ۵- علی نے \_\_\_\_\_ (۱۴) روپے کے بسکٹ اور \_\_\_\_\_ (۲۷) روپے کے آم خریدے۔
- ۶- میں نے دعوت کے لیے تیس (\_\_\_\_) سمو سے اور \_\_\_\_\_ (۳۲) رول منگوائے تھے۔
- ۷- الماری میں گیارہ (\_\_\_\_) شلواریں اور \_\_\_\_\_ (۱۵) قمیصیں ہیں۔
- ۸- آج میں نے بیالیس (\_\_\_\_) اور چھیالیس (\_\_\_\_) لکھنا سیکھا۔
- ۹- درخت پر \_\_\_\_\_ (۴۷) سیب لٹک رہے ہیں۔
- ۱۰- فروری کے مہینے میں \_\_\_\_\_ (۲۸) دن ہوتے ہیں۔



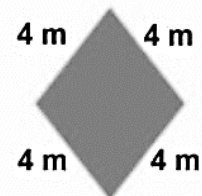
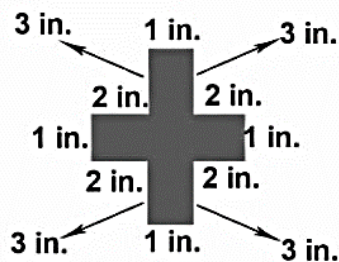
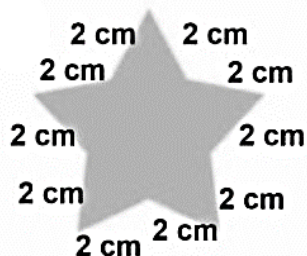
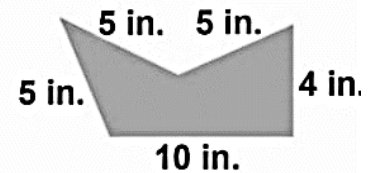
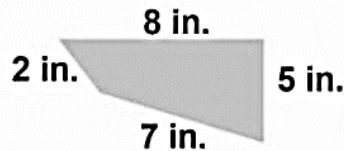
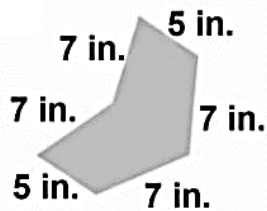
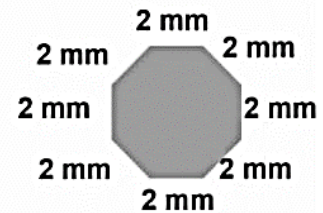
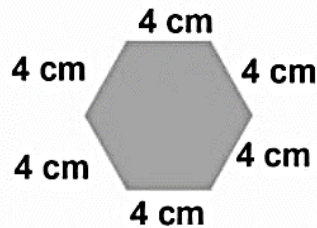
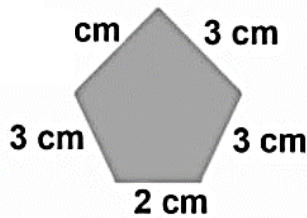
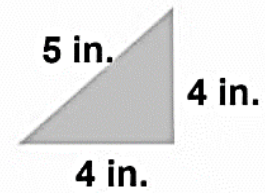
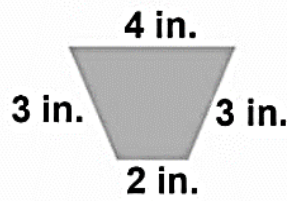
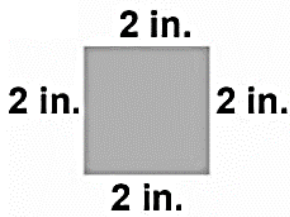
1. Define the following terms. Also give 5 examples of each:
  - a) Factors
  - b) Multiples
  - c) prime numbers
  - d) composite numbers
  - e) Coprime numbers
2. Write and learn the divisibility rules of: 2, 3, 4, 5, 6, 7, 8 and 9 with examples and give reasons.
3. Find the factors by prime factorization method of the following:
  - a) 520
  - b) 320
  - c) 96
  - d) 128
  - e) 900
  - f) 1024
4. Do 10 questions of addition and subtraction of unlike fractions.  
(Reference: Textbook of grade 4, Exe # 3c)
5. Do 10 questions of multiplication and division of unlike fractions.  
(Reference: Textbook of grade 4, Exe # 3d)
6. Construct the place value chart of decimal number and also give at least 10 examples along their place values.
7. Do 20 questions of addition, subtraction, multiplication and division of decimal numbers.  
(Reference: Textbook of grade 4, Exe # 4c)
8. Find perimeter and area of each of the following rectangles.
  - a) L=7 cm, B=6 cm
  - b) L=12 cm, B= 5 cm
  - c) L=16 cm, B= 11 cm
9. Write definition of: acute angle, right angle, obtuse angle, straight angle, reflex angle and full angle and also draw 5 angles with each category.
10. Do as directed:
  - i. Round 5729 to the nearest thousand.
  - ii. The numbers in this magic square add up to 21 in each direction. Fill in the missing numbers.
 

6		
	7	2
		8
  - iii. Fill in the missing numbers. 3, 5, 8, 12, 17, \_\_\_\_\_
  - iv. Kamil is taller than Musa but shorter than Laila. Who is the shortest?
  - v. Write the difference between the two prime numbers given below.  
21, 23, 27, 29 \_\_\_\_\_
  - vi. Write  $\frac{6}{18}$  in its lowest terms. \_\_\_\_\_
  - vii. Round 5496 to the nearest 10.
  - viii. The sum of three numbers is 40. If two of the numbers are 7 and 9, what is the third number?
  - ix. Which number sentence is correct?
    - a)  $5 \times 3 < 15$
    - b)  $20 < 7 \times 3$
    - c)  $16 < 4 \times 3$
  - x. Which number is eight thousand and ten?
    - a) 8100
    - b) 8010
    - c) 8001
  - xi. How many faces has a cuboid?
    - a) 4
    - b) 5
    - c) 6
  - xii. A minibus can carry 8 children. How many children can 7 minibuses carry?
    - a) 48
    - b) 56
    - c) 63
  - xiii. Tick the composite number.
    - a) 13
    - b) 15
    - c) 17

**11. Fill in the blanks:**

- i. \_\_\_\_\_  $\times$  9 = 36
- ii. \_\_\_\_\_  $\times$  6 = 42
- iii. \_\_\_\_\_  $\div$  3 = 9
- iv. \_\_\_\_\_  $\div$  9 = 8
- v. \_\_\_\_\_  $\div$  9 = 5
- vi.  $3000 - 600 + 7 =$  \_\_\_\_\_
- vii.  $100 - (3 \times 15) =$  \_\_\_\_\_
- viii.  $30g \times$  \_\_\_\_\_ = 300 kg
- ix.  $700 - 80 =$  \_\_\_\_\_

**12. Add the lengths of the sides to find the perimeters.**



- سوال نمبر 1: عیدین کے معاشرتی فوائد بیان کریں۔
- سوال نمبر 2: ختم نبوت پر نوٹ لکھیں۔
- سوال نمبر 3: مصارف زکوٰۃ لکھیں۔
- سوال نمبر 4: اطاعت رسول کی اہمیت بیان کریں۔
- سوال نمبر 5: سفر معراج کا واقعہ تفصیل سے بیان کریں۔
- سوال نمبر 6: حضرت عمر فاروق رضی اللہ تعالیٰ عنہ کا تعارف مکمل کریں۔

1- حضرت عمر کا پورا نام

2- حضرت عمر فاروق کا خاندان

3- والد کا نام

4- والدہ کا نام

5- بہن کا نام

6- حضرت عمر کا لقب

7- مسلمانوں کے خلیفہ

8- خوبیاں

9- خلافت کی مدت

10- شہادت

سوال نمبر 7- بیانات کو درست ترتیب دے کر نزول وحی کا واقعہ مکمل کریں۔

- 1- حضرت خدیجہ رضی اللہ تعالیٰ عنہا نے آپ ﷺ کو چادر اوڑھادی
- 2- آپ ﷺ غارِ حرا کے اندر عبادت میں مشغول تھے کہ اللہ تعالیٰ کی طرف سے ایک فرشتہ آیا۔
- 3- اس فرشتے نے آپ ﷺ کو پکڑ کر زور سے دبایا اور کہا: پڑھیے!
- 4- آپ ﷺ نے فرمایا: میں پڑھا ہوا نہیں ہوں
- 5- اسی حالت میں آپ ﷺ گھر آئے اور حضرت خدیجہ رضی اللہ تعالیٰ عنہا سے فرمایا: مجھے چادر اوڑھا دو۔
- 6- ایسا تین مرتبہ ہوا۔ اس کے بعد سورۃ العلق کی پہلی آیات نازل ہوئیں۔
- 7- فرشتے کی اچانک آمد اور وحی کی عظمت و ہیبت کی وجہ سے آپ ﷺ کا جسم مبارک کانپنے لگا۔

سوال نمبر 9- حقوق العباد کے حوالے سے درج ذیل کا ایک ایک حق بیان کریں۔

1.	والدین کے حقوق
2.	اولاد کے حقوق
3.	اساتذہ کے حقوق
4.	پڑوسیوں کے حقوق
5.	رشتہ داروں کے حقوق

1. Explore the concept of renewable energy sources. Discuss different types of renewable energy and their benefits.
2. Human body is made of different kinds of muscles. Name the major muscles of human body and explain their function.
3. Visit your favorite hill station and search out different flora and fauna living there. How animals and plants survive in the cold weather?  
Note: take pictures and make a small album of pictures.
4. Describe electrical circuits and their components in detail. Make a circuit project using wires and battery (Open and close circuit).
5. Write down the major advantages and disadvantages of friction
6. Write the concept of magnetism. How do magnets attract or repel objects?
7. Our land is precious to us. It grows our food and provides us with oxygen. We must take care of this precious land. It is important for our survival. How would you take care of your land? Write a few lines.
  - i. what are the things that threaten your land?
  - ii. How does deterioration of land affect the plants and animals?
  - iii. How can I keep the land clean around my home?
8. Activity: Place two potted plants in different conditions — one in sunlight and the other in a dark room. Water both plants equally for a week. Observe the changes in their growth.  
Report Question: What differences did you observe in the growth of the plant kept in sunlight compared to the one in the dark room? Explain why this happened.
9. Prepare the season chart like the one given below.

Seasons	Duration (Months)	Food /Drinks of this season	Type of Clothing in this season	Weather	Two activities people enjoy in this season
Spring					
Summer					
Winter					
Autumn					




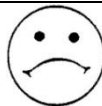
**10.** Write short answers of these questions:

- i. What is the age of the Earth?
- ii. Where is the solar system located? Which planet of the solar system has life?
- iii. Which gas is necessary for life?
- iv. Why we should wear shoes while touching switches or to avoid touching plug with wet hands?
- v. Is the moon a planet, star or satellite? Give reasons.
- vi. What are the three parts of the Earth that are visible from space?
- vii. What is equator?
- viii. Why do the length and size of the shadow differ at different times of the day?
- ix. Define the following:
  - i. Orbit
  - ii. planet
  - iii. axis
  - iv. rotation
  - vi. revolution

1. The north polar region is called the Arctic and the south polar region is called the Antarctic. Read the world map. Find out countries included in these regions and write about animals living in these regions and tell how are they adapted to the cold environments.
2. Write the names of any 10 famous Masaajids (mosques) of Pakistan.
3. Collage work. Assemble images or pictures of individuals like Muhammad Ali Jinnah, Allama Iqbal, Liaquat Ali Khan, and others who played significant roles in Pakistan's formation, arrange them in the outline of Pakistan's map.
4. Research and explore the three main branches of the Pakistani government: Executive, Legislative, and Judicial, and write details in three columns.
5. Write short reports on how winter affects different industries in Pakistan. You can explore agriculture, tourism, or seasonal businesses impacted by the winter season.
6. Write down the information about the following countries given below.

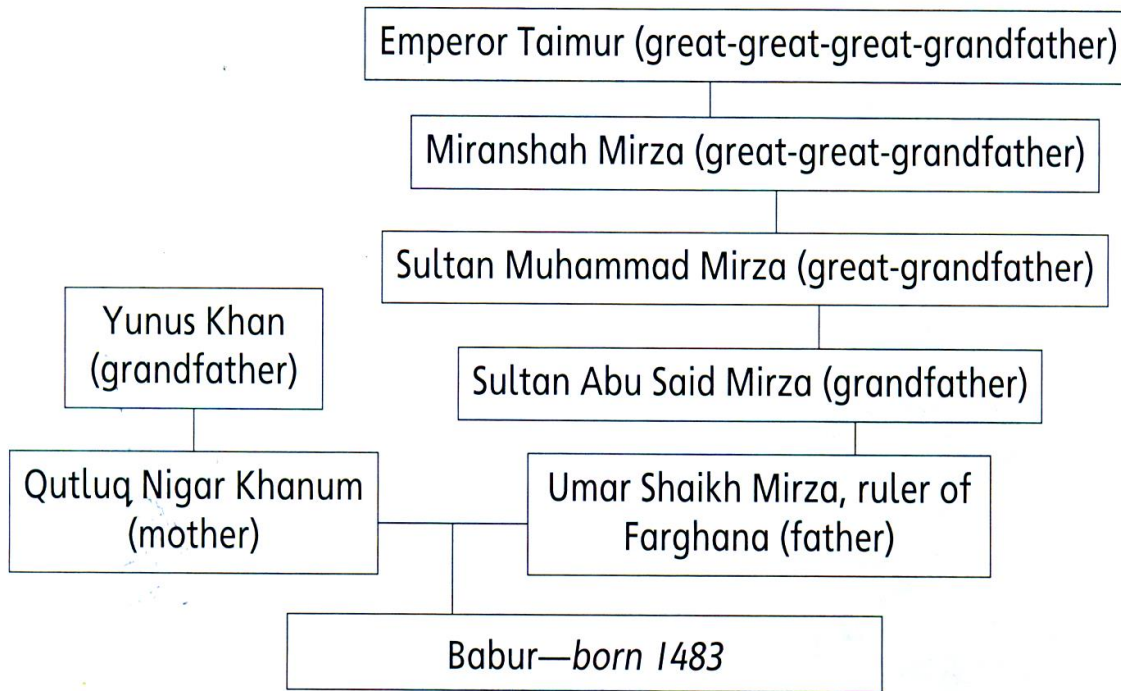
Country	Capital	Currency	Important places
Spain			
Saudia Arabia			
Oman			
China			
Canada			
U.S.A			
U.K			
Kuwait			

7. Complete the chart given below.
  - i. Write what is good about each invention.
  - ii. Write what is bad about each invention.

Invention	Good 	Bad 
Electricity		
Phone		
Car		
Camera		
Television		

**8. Babur-The First Mughal Emperor**

Use Babur’s family tree to help you to fill in the missing words.



- i. Babur was born in the year \_\_\_\_\_
- ii. The name of Babur’s father was \_\_\_\_\_
- iii. Babur’s father was the son of \_\_\_\_\_
- iv. The name of Babur’s mother was \_\_\_\_\_
- v. Babur’s mother was the daughter of \_\_\_\_\_
- vi. Babur’s great-grandfather was \_\_\_\_\_
- vii. Write Babur’s family name. \_\_\_\_\_

**9. Fill in the blanks.**

- i. We see objects because \_\_\_\_\_
- ii. Light is a form of \_\_\_\_\_
- iii. Light can even travel through \_\_\_\_\_
- iv. The speed of light is \_\_\_\_\_
- v. Light travels in \_\_\_\_\_
- vi. The bouncing back of light is called \_\_\_\_\_
- vii. Objects that give off light are called \_\_\_\_\_
- viii. A laser beam gives out \_\_\_\_\_
- ix. The image of an object formed in a plane mirror is \_\_\_\_\_
- x. Moonlight is actually sunlight which is \_\_\_\_\_

Q1. You are going to make a fun but simple card game called “What Am I”?

- Make a list of three input/output devices
- Write down three tricky statements about each of the devices starting each statement with, “I am an input/output device and I can ...”

Hint: I am an input/output device and I can move things on screen --- What am I?  
(Answer: mouse)

Q2. Make a power point presentation on the topic “Evolution of computers”. Your presentation must contain at-least ten slides. Add pictures related to the topic as well.

Q3. Somia has created a document in word 2013 and types his favorite poem. Create a similar document and type your favorite poem. Also use the formatting features to improve the appearance of the document and set line spacing to 1.5.

Take a printout of the poem, try to include some picture, expressing your feelings.

Q4. Urwa has been asked to create a table by her brother to prepare a table of her monthly Expenditure. Create a similar table giving details of your expenses

Note: Take a printout and attach to the file of winter vacation homework.

Q5. How are computers being used in grocery stores?

1. Write the first Kalma by using the technique of calligraphy.
2. Home Painting: Use paints and canvases or sturdy paper to paint your ideal winter home, focusing on details like snowy landscapes, chimneys with smoke, or warm lights shining through windows.