



Grade VIII Summer Holidays Homework 2019

English:

Please use a two-lined English copy/register for your English Holiday Homework.

Read the following books and critically summarize the content of any six in your own words:

1. Oliver Twist by Charles Dickens.
2. The Hobbit by J.R.R Tolkein.
3. Animal Farm by George Orwell.
4. Macbeth by William Shakespeare.
5. Pride and Prejudice by Jane Austen.
6. The time machine by H. G Wells
7. Great Expectations by Charles Dickens
8. Hard Times by Charles Dickens
9. Jew of Malta by Christopher Marlow.

Read the following poems and write down the explanation in your own words. Identify the poetic devices and themes also.

1. I Wandered Lonely as a Cloud by William Wordsworth.
2. The Road Not Taken by Robert Frost
3. Tree by my Window by Robert Frost
4. All the World's a stage by William Shakespeare
5. We are Seven by William Wordsworth
6. The Solitary Reaper by William Wordsworth

Write down your views on the following topics. [290-325 words]

1. Write in detail about your experience of acting in the school play Macbeth, last year.
2. Write on how do you see yourself in ten years from now.
3. Write a descriptive writing on "The most fascinating things I have learned so far in my _____ class.
4. Write a letter to your friend thanking for her/his hospitality during your visit to her/his house.
5. Write a persuasive writing to highlight the importance of education among underprivileged people.
6. Write a descriptive writing on 'My participation in an activity outside of school'.
7. Imagine you are on a holiday on an island. There is a power outage and you are told that you will have to live without any electricity for the next two days. The boat that takes you back to the Mainland will not come before three days. How will you spend your time there.

جماعت: ہشتم

افق کتاب میں دیئے گئے اسباق کا کام کرنا ہے۔

اسباق: درپیش راہیں، رباعیات اشعار قطعے، قصے دلچسپیوں کے

تصویری مشق ۱۹۸، ۱۶۸، ۱۳۹

تفہیم صفحات ۱۶۵، ۱۳۵، ۱۹۶

منتخب کردہ جہت میں سے کوئی سی چار جہت پڑھ کر ان پر تبصرہ لکھیں۔

حافظیں [شفیق الرحمن]، پطرس کے مضامین [پطرس شاہ بخاری]، ہچا چھکن [امتیاز علی تاج]، چنگیز خان [آکسفورڈ]، اندلس میں ابنی [مستنصر حسین تارڈ]، معرۃ العروس [ٹہٹی نذیر احمد]، پنجاب کی تاریخ [بک گروپ]

Holiday Homework Grade VIII Mathematics

Note: All the questions should be done on a narrow lined notebook.

Question 1

a) Ahmad spends $\frac{1}{3}$ of his pocket money on his clothes and $\frac{2}{5}$ of the remainder on books and saves the rest. Find the amount he saves.

b) Calculate

- $\frac{3}{7}$ of 4389.53
- $\frac{420}{14000}$ of 60,000
- $19 + 21.43 + 5.9 - 4.254$
- $0.018 \div 0.06$.

c) Solve the following fractions

- $2\frac{1}{3} + 8\frac{2}{7}$
- $12\frac{32400}{180} - 9\frac{1620}{270}$

iii) $2\frac{14}{72} \div 9\frac{42}{36}$

- d) The price of the house used to be $\frac{3}{4}$ of a million dollars, but now it is only \$475,000. How many dollars has the price been reduced?
- e) There are 5,280 feet in a mile. How many feet are in $\frac{7}{11}$ of a mile?
- f) Which of these fractions is smaller? (Show the working properly)
(Hint: You do not need to multiply)

i) $\frac{24365}{56342}$, $\frac{24366}{56343}$

ii) $\frac{20001}{20002}$, $\frac{200001}{200002}$

- g) Pick out the all equivalent fractions from following.

$\frac{4}{3}$, $\frac{10}{6}$, $\frac{64}{27}$, $\frac{16}{12}$, $\frac{401}{241}$, $\frac{44040}{224}$, $\frac{87832}{19}$, $\frac{19200}{14400}$

Question 2

- a) Find the following.
- i) 25 % of 880
- ii) 35.5 % of 129600
- b) At a parking plaza there were total 1200 vehicles. There were 720 cars, 224 vans, 196 bikes and rest were buses. Find the number of buses and express each as percentage.
- c) Compare using percentages
- i) 125 in 500 and 4 in 25
- ii) 2400 in 120000 and 160 in 40000
- d) On a sale in a departmental store the price of a mobile phone is reduced by 15%. If the marked price of phone is Rs 24000, find its reduced price.

Question 3

- a) The following data represents the number of oranges picked up from an orange tree.
24, 37, 31, 29, 45, 49, 38, 41, 29, 12, 24, 30, 29, 28, 37, 41, 47, 35, 43, 21, 20, 32, 42, 29, 38, 44, 17, 19, 21, 23, 10, 40, 21, 19, 32, 39, 42, 40, 14, 15
Make a frequency table for the data and show it through a histogram. Also draw a stem-and-leaf diagram of the data and find mean, mode and median of the data.
- b) The following table shows the transportation used by students to come to school. Show this data on a pie chart.

Type	Car	Bus	Bicycle	Walk
Frequency	240	60	80	120

c)

Question 4

- a) A container contains slips with numbers from 1 to 50. If one of the slip is taken at random find the probability that it is
- i) prime number
 - iii) even number
 - iv) multiple of 5
- b) Two fair six sided dice are thrown together. Find the probability that the sum of the dots appearing on top is
- i) 10
 - ii) 6
 - v) A prime number
 - vi) A multiple of 4

Question 5

a) Complete the table

	Two pairs of equal sides	All angles are 90°	Lines of symmetry	Order of R.S	Diagonals equal
Parallelogram	Yes	No	None	2	No
Square					
Rectangle					
Trapezium					
Kite					
Rhombus					
Equilateral triangle					

b) Design a rotational symmetry such that it has the following properties.

- i) R. S of order 2 and lines of symmetry 2
- ii) Zero lines of symmetry and rotational symmetry of order 1
- iii) R. S of order 4 and zero lines of symmetry

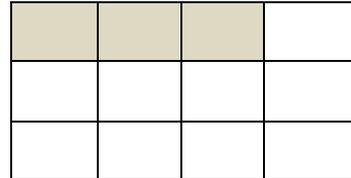
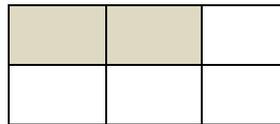
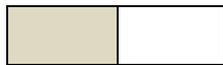
Question 6

a) Write down the next two terms of the sequence.

i) 1 8 22 43

ii) 128 115 102 89

1. Consider the following patterns.



- i) Draw the next two diagrams in the sequence.
- ii) Describe a rule linking number of patterns of white tiles to grey tiles.
- iii) Find the number of white tiles if number of grey tiles is 17.

Question 7

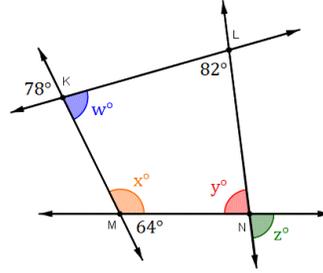
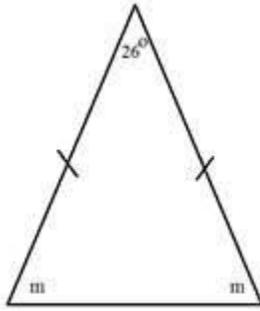
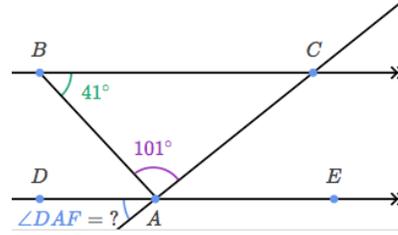
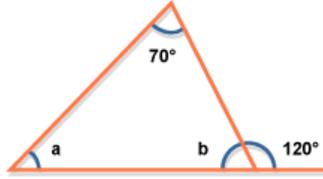
a) Fill in the blanks

$$5 m^2 = \underline{\hspace{1cm}} cm^2 = \underline{\hspace{1cm}} km^2$$

$$8 \text{ feet} = \underline{\hspace{1cm}} \text{ meters} = \underline{\hspace{1cm}} \text{ cm}$$

b) A car travels 200m on 0.01 litre of fuel. How many kilometers will it travel on 40 litres of fuel.

Question 8



Question 9

- a) Evaluate the following expressions if $p = 2, q = 4, r = 1, s = 5$
- $2p + 3q + r$
 - $p - 2r + 3s - 2q$
 - $2s(4q - 3r + 4p)$
 - $6pr(2q - 4p + 3s)$
- b) Calculate the following if $x = -2, y = 4, z = 7,$
- $2x^2 + 3y^3 - 3$
 - $2x(x + 3y^2 - 3z^3)$
 - $5x^2y^3z^2$
- c) A cellular company offers first 3 minutes free call to its customers after that it charges for Rs 2.5 per minute. Derive a formula for the cost C of making a call of M minutes .
- Use the formula to find the cost of making a 10.5 minute call

Question 10

a) Plot the following points on the grid

$$A = (2, 4), \quad B = (-5, -1), \quad C = (-2, 1)$$

Join A, B and C and name the figure

b) Plot $L = (3, -3)$, $M = (-4, -3)$, $N = (-4, 3)$ on a grid.

Plot point O in such a way that LMNO is a parallelogram.

Plot point P such that LMP is an isosceles triangle.

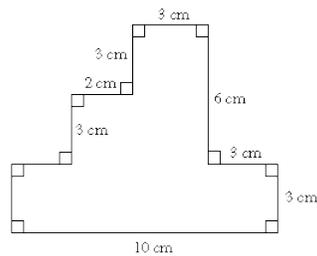
Find the area of parallelogram LMNO and triangle LMP

Question 11

a) Find area in mm and perimeter in mm of a rectangle with length = 3cm and width = 1m.

b) A rectangle has area $50,000\text{cm}^2$ and its length is 5m. Calculate its width in meters.

c) Find area and perimeter of the following diagram.



d) Find the surface area and volume of a cuboid with $L = 3\text{m}$, $W = 400\text{cm}$, $H = 0.05\text{km}$

e) The volume of a cuboid is 320cm^3 . If length and height of the cuboid is 10 and 15 respectively find width of cuboid.

f) A cube A has edge length 4cm. Find the difference between the volume of this cube and another cube which has edge length half as long as cube A.

Question 12

a) Simplify the following expressions

i) $2x + 3y - 4x + 2xy - 20y$

ii) $3xy(x + 2) - 2x(3y - 4)$

$$\text{iii) } 2l(3l - 4m + n) - (l - m + 2n) - 4m + 2n$$

$$\text{iv) } 3x - 4y + 3x(z - 3y) + 4z(x - 6y)$$

$$\text{v) } x(z + 4y) - y(z - 3x) + z(x + 5y)$$

Question 13

Solve the following equations

$$\text{i) } 2x + 3 = 5$$

$$\text{ii) } 3(x - 4) = 4(2x - 7)$$

$$\text{iii) } \frac{x + 4}{2} = \frac{3 - 4x}{4}$$

$$\text{iv) } \frac{2(3x - 4)}{4(x - 19)} = \frac{14}{23}$$

$$\text{v) } 3(x - 3) + 4(4 - 3x) + 2x(9) = 14$$

- Review 4A and 4B of Checkpoint 1 are to be done on copies
- Review 1A & 1B and Review 2A & 2B are to be done on copies