



## مکتبہ

### Grade VI Summer Holidays Homework 2019

#### English:

Please use a two-lined English copy/register for your English Holiday Homework. Please use an ink pen (blue ink) for writing.

#### Read the following novels and write their summaries in your copy:

1. James and the giant peach' by Roald Dahl.
2. Alice in Wonderland by Lewis Carroll.
3. Around the World in Eighty Days by Jules Verne.
4. Harry Potter and the Prisoner of Azkaban by J.K. Rowling.
5. The Giver by Lois Lowry.
6. Black Beauty by Anna Sewell.
7. The Adventures of the Wishing Chair by Enid Blyton .
8. Boy, Tales of Childhood by Roald Dahl.

#### Write down your views on the following topics. [175-200 words]

1. Write a descriptive writing on 'who is the most interesting person you've ever met'.
2. Write down about your favorite sport. Why do you like it so much?
3. Write a letter to your friend congratulating him/her on birthday.
4. Imagine being woken up by a huge noise and finding a spaceship in your backyard on a Sunday night.....
5. Write a narrative on "What would you do if you found treasure while being on vacation".
6. Write a detailed account of your Sports Day and Prize Distribution Ceremony 2018-19 or Annual English play 2018
7. Suggest some improvements in Maktab, giving valid reasons for your suggestions.

#### Targeting handwriting book 5

Complete the remaining pages of Targeting handwriting book 5.

جماعت ششم

اردو (پنجاب بورڈ): خدمت گار کون؟، زین کا خواب، پرچم کی کہانی نانی کی زبانی، محنت ان اسباق کا کام کاپی میں کرنا ہے۔

تخلیقی لکھائی: انسانی رشتوں کی اہمیت، پاکستان کے موجودہ درپیش مسائل، میری نظر میں دوستی کیا ہے؟ نوجوان نسل ہمارا مستقبل ہے

پڑھائی کے لیے: نیلی چڑیا (آکسفورڈ)، ٹھوڑی تاراما تھے چاند (آکسفورڈ)، گنناقی کہانیاں (آکسفورڈ)،

مولا بخش ہاتھی (آکسفورڈ)،

### Holiday Homework Grade VI Mathematics

Q 1.

a) Look at the number pattern. Fill in the boxes with the correct answers.

i. 82 149, 83 149, 84 149, \_\_\_\_\_

To find the next number in this pattern, we count on in thousands.

ii. 20 810, \_\_\_\_\_, 20 830, 20 840, \_\_\_\_\_, \_\_\_\_\_

To find the next number in this pattern, we count \_\_\_\_\_ in \_\_\_\_\_.

iii. 60 293, \_\_\_\_\_, 62 293, 63 293, \_\_\_\_\_, \_\_\_\_\_

To find the next number in this pattern, we count \_\_\_\_\_ in \_\_\_\_\_.

iv. 234 560, \_\_\_\_\_, \_\_\_\_\_, 534 560, \_\_\_\_\_, 734 560, 834 560

To find the next number in this pattern, we count \_\_\_\_\_ in \_\_\_\_\_.

b) Round each number to the nearest tenth.

i. 25.635  $\approx$  \_\_\_\_\_

ii. 34.452  $\approx$  \_\_\_\_\_

iii. 60.087  $\approx$  \_\_\_\_\_

c) Round each number to the nearest hundredth.

i. 673.291  $\approx$  \_\_\_\_\_ ii. 85.7617  $\approx$  \_\_\_\_\_ iii. 4.51962  $\approx$  \_\_\_\_\_

d) Round each number to nearest thousandth.

i. 90.2752  $\approx$  \_\_\_\_\_

ii. 46.8703  $\approx$  \_\_\_\_\_

iii. 759.421  $\approx$  \_\_\_\_\_

e) Round each number to the nearest whole number.

i. 6.9  $\approx$  \_\_\_\_\_

ii. 46.64  $\approx$  \_\_\_\_\_

iii. 946.21  $\approx$  \_\_\_\_\_

Q 2. Fill in the boxes with > or <.

i. 789 \_\_\_\_\_ -1789

- ii. 20.09 \_\_\_\_\_ 29.00
- iii. 56.89 \_\_\_\_\_ 56.98
- iv. 89.70 \_\_\_\_\_ 80.97
- v. 9.545 \_\_\_\_\_ 9.55
- vi. 26.91 \_\_\_\_\_ 612.9

Q 3 .Fill in the boxes with 10 more, 10 less, 100 more, 100 less, 1000 more, 1000 less.

- i. 1754 is \_\_\_\_\_ than 1744
- ii. 9190 is \_\_\_\_\_ than 9090
- iii. 2772 is \_\_\_\_\_ than 2782
- iv. 6621 is \_\_\_\_\_ than 7621

Q 4 .First estimate and then calculate the sum of the following numbers

- i)  $7.16 + 2.30$   
 Estimate: it must be nearly equals to 9.40  
 Calculate:
 

	7.16
+	2.30
	_____
	9.46
	_____
- ii)  $7.213 + 1.863$
- iii)  $95.68 + 3.36$
- iv)  $140.9 + 183.8$
- v)  $22.19 + 5.819$
- vi)  $736.7 + 10.88$
- vii)  $28.79 + 89.34$
- viii)  $5.774 + 8.49$
- ix)  $38.96 + 62.53$
- x)  $2.859 + 15.19$
- xi)

Q 5. First estimate and then calculate the subtract of the following numbers

- i)  $35.92 - 13.60$   
 Estimate: it must be nearly equals to 22.30  
 Calculate:
 

	35.92
-	13.60
	_____
	22.32
	_____

- ii)  $72.65 - 3.14$
- iii)  $9.253 - 2.041$
- iv)  $84.35 - 21.3$
- v)  $70.00 - 46.73$
- vi)  $90.59 - 20.6$
- vii)  $74.10 - 24.38$
- viii)  $31.20 - 19.30$
- ix)  $27.89 - 10.45$
- x)  $2.866 - 1.6$

Q 6. Find the product of each of the following.

- i)  $6400 \times 3$
- ii)  $2305 \times 7$
- iii)  $95 \times 45$
- iv)  $450 \times 12$
- v)  $6989 \times 29$
- vi)  $185 \times 100$
- vii)  $14 \times 67$
- viii)  $10.6 \times 10$
- ix)  $27.9 \times 1000$
- x)  $80.3 \times 100$
- xi)  $56.89 \times 1000$
- xii)  $3.51 \times 1000$

Q 7.

- a) Find the quotients and remainder for each of the following.
  - i)  $5824 \div 4$
  - ii)  $4219 \div 7$
  - iii)  $35690 \div 300$
  - iv)  $96000 \div 700$
  - v)  $416000 \div 8000$
  - vi)  $852000 \div 5000$
- b) Find the quotient. Then check whether your answer is reasonable.
  - i)  $6.2 \div 10$
  - ii)  $837 \div 100$
  - iii)  $87.25 \div 100$
  - iv)  $58.4 \div 1000$

Q 8. Find the value of each of the following.

- i)  $(46 - 32) \times 347$
- ii)  $170 - 3 \times 90 \div 4$
- iii)  $1432 \times 5 \div 4 \div 10$
- iv)  $1764 - (372 + 195) \times 7$
- v)  $622 - 685 + 56 \times 9$
- vi)  $456 + 245 - 810 \div 2$

Q 9. Convert these fractions into percentages.

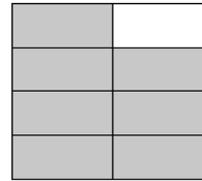
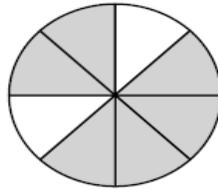
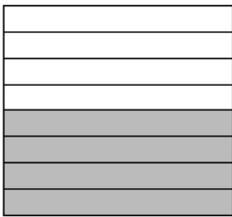
- i)  $\frac{19}{20}$
- ii)  $\frac{1}{4}$
- iii)  $\frac{21}{40}$
- iv)  $\frac{101}{200}$
- v)  $\frac{35}{79}$
- vi)  $\frac{156}{310}$

Q 10.

- a) On Tuesday, Ben walked into a toy store and decided to buy a football for \$2.11. Ben handed the salesperson \$ 5.32 for his purchase. How much change did Ben receive?
- b) A mixture is obtained by mixing two products A and B respectively. Product A weighs 234.56 grams and the mixture weighs 988.76 grams. How much does Product B weigh?
- c) Janet went to the town carnival and stayed for 1 hour and 30 minutes. If it was 1:45 when Janet arrived, what time was it when she left?
- d) Oliver spent 2 hours and 55 minutes playing video games. If he stopped to eat dinner at 7:55, what time did he originally start playing?
- e) Cody finished  $\frac{3}{5}$  of his math homework on the school bus. What percent did he finish on the bus?
- f) Mr. Bean earns \$41796 in a year. Each month, he saves \$808 and gives to his wife \$ 1100 for household expenses. He then donates the rest of his monthly salary equally to some charities. If he donates \$ 75 to each charity, how many charities does Mr. Bean donate in each month?
- g) A bakery sold a box of small cakes in Rs.13. Sam bought 176 boxes of cakes and gave away some of the cakes to her 4 friends. She then had 2128 cakes left. How many cakes did she give to each of her friends?
- h) The usual price of a bag was \$30. Tom bought it for \$22 at a sale. What was the percentage discount Tom received?

- i) It takes Natasha 33 minutes to walk to the pool from her house. If she rides her bike, it takes her  $\frac{1}{3}$  of that time. When Natasha walks to the pool, she leaves her house at 3:12 to be on time for swim class. If Natasha rides her bike to the pool, what time does she need to leave her house to be on time for swim class?
- j) In an English test, Smith scored 24 out of 40 marks. In a Mathematics test, he scored 45 out of 60 marks.
- In which test did Smith score well?
  - What was the percentage difference between Smith's scores for both tests?

Q 11. What percentage of the following figures are shaded?



Fraction	Decimal	Percentage

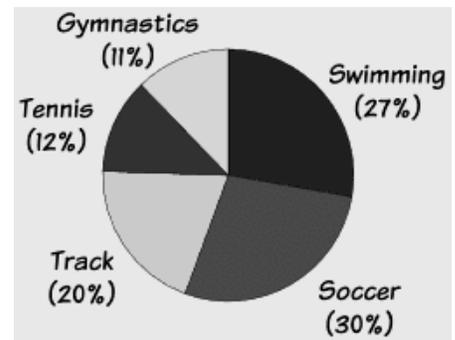
Q 12. Convert these measurements:

- 9763 cm = \_\_\_\_\_ m
- 1.6 l = \_\_\_\_\_ m l
- 9.58 kg = \_\_\_\_\_ g
- 3960 m = \_\_\_\_\_ km
- 62 370 m l = \_\_\_\_\_ l

- vi) 3256 g = \_\_\_\_\_ kg
- vii) 9763 cm = \_\_\_\_\_ m
- viii) 9.58 kg = \_\_\_\_\_ g
- ix) 1.6 litres = \_\_\_\_\_ m l
- x) 2307 m = \_\_\_\_\_ km
- xi) 62 370 m l = \_\_\_\_\_ litres
- xii) yards = \_\_\_\_\_ feet
- xiii) 7 gal = \_\_\_\_\_ qt
- xiv) 8 lb = \_\_\_\_\_ kg
- xv) 2 miles = \_\_\_\_\_ km
- xvi) 10 oz = \_\_\_\_\_ g

Q 13.

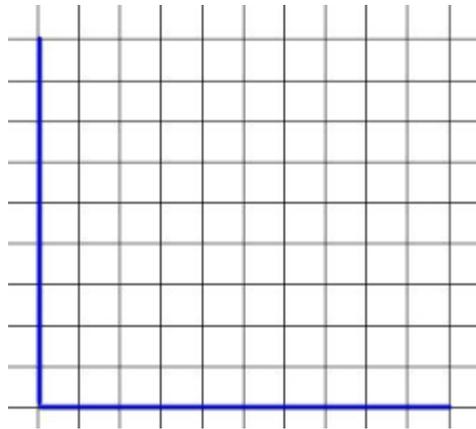
a) There are 400 students in the school. The pie chart below shows the favourite sport of students in a school.



- i) How many of the students like gymnastics?
- ii) How many of the students like swimming?
- iii) How many of the students like soccer?
- iv) What fraction of the students like tennis?
- v) What fractions of the students like track?
- vi) What fractions of the students do not like tennis?

b) The table below shows the number of toys sold in a toy shop over a week. Draw a line graph to represent the data in the table.

Day	Monday	Tuesday	Wednesday	Thursday	Friday
Number of Toys sold	3	2	4	6	10



c) The table below shows the scores of Dexter in 9 basketball games . Using the frequency table answer the following questions:

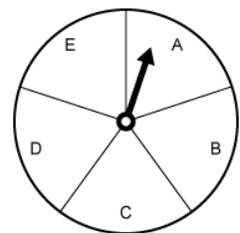
Basket ball games	1	2	3	4	5	6	7	8	9
scores	15	20	14	36	20	10	35	23	24

- i) What is the mean score? Round your answer to the nearest whole number. \_\_\_\_\_
- ii) What is the median score? \_\_\_\_\_
- iii) What is the mode score? \_\_\_\_\_
- iv) What is the range? \_\_\_\_\_

Q 14.

a) Cade spins the spinner .

- i) What is the probability that the spinner lands on a letter in his name? \_\_\_\_\_
- ii) What is the probability that the spinner will land on A? \_\_\_\_\_
- iii) What is the probability that the spinner will land on a vowel? \_\_\_\_\_



b) A coin has 2 sides (heads and tails) that are equally likely to show when the coin is flipped. What is the theoretical probability that a coin lands on heads? \_\_\_\_\_

Dave flipped a coin 20 times and got heads on 8 of the flips.

- i) What is the experimental probability of the coin landing on heads? \_\_\_\_\_

ii) What is the experimental probability of the coin landing on tails? \_\_\_\_\_

c) Sam rolls a die.

i) What is the probability that it lands on an odd number? \_\_\_\_\_

ii) What is the probability that the die lands on a 2. \_\_\_\_\_

iii) What is the probability that the die lands on a 6. \_\_\_\_\_

iv) What is the probability that it lands on an even number? \_\_\_\_\_



d) The following frequency table shows Sunday's orders at "Chikers".

Based on this data, what is the experimental probability of ordering ?

i) Tuna \_\_\_\_\_

ii) Chicken \_\_\_\_\_

iii) Ostrich \_\_\_\_\_

iv) Vegetable \_\_\_\_\_

Type of stir fry	Frequency (Number of orders)
Vegetable	3
Chicken	6
Ostrich	2
Beef	2
Tuna	5

Q 15.

a) Mr. Ming is 45 years old. Mr. Lee is 27 years old.

1) What is the ratio of Mr. Ming's age to Mr. Lee's age?

2) Express Mr. Lee's age as a fraction of Mr. Ming's age.

3) Express Mr. Ming's age as a fraction of their total age.

b) Mom baked a chocolate cake.

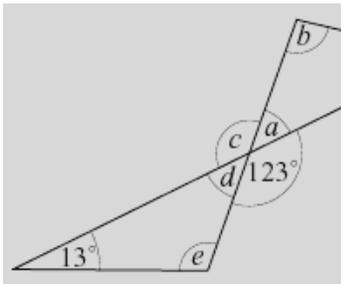
Recipe for "Chocolate Cake"

- 300 g of flour
- 100 g of butter
- 150 gram of sugar
- 2 eggs (1 egg  $\approx$  75 gram)
- 100 gram of hazelnut
- 5 tablespoons cocoa powder (1 table spoon  $\approx$  10 gram)
- 300 g dark chocolate
- 100ml whipping cream (50 ml  $\approx$  50gram)



- 1) What is the total mass of the chocolate cake? \_\_\_\_\_ grams
- 2) What proportion of the total amount of ingredients used was the amount of flour? \_\_\_\_\_
- 3) If Mom used 400g of butter ,
  - i) how many grams of dark chocolate did she use? \_\_\_\_\_
  - ii) how many cakes did she bake? \_\_\_\_\_

Q 16. Calculate the sizes of the angles marked a, b, c, d and e in the triangles shown.



Q 17.

- a) Write and learn the multiplication tables of 2 to 16.
- b) The numbers which have only two factors, 1 and itself , are called prime numbers. Write the counting from 1 to 100 then colour the prime numbers.
- c) The numbers which have more than two factors are called composite numbers. Write the counting from 1 to 100 then colour the composite numbers.

Q 18. Summer is at its peak, mom decided to go for shopping for cool lawn prints ,light everyday clothes and some other things. Mom had Rs 10,000 for shopping. She bought:

- 2 lawn suits for Rs. 1450/- per suit
  - 3 T-shirts for Rs. 750/- per shirt
  - A colourful umbrella for Rs. 350/-
  - A broad-rimmed hat for Rs. 630/-
  - A cotton bed sheet and pillows for Rs. 2500/-
- Calculate the bill.
- The store is offering 10% discount on all items.
  - Calculate the 10% discount and subtract it from the total bill.
  - How much money did she spend?
  - How much money was left?
  - What fraction of the total money did she spend?

Q 19. Complete the puzzle.

5	X		+		41
X		+		+	
	X		+	3	11
+		+		X	
8	+	1	+		18
18		12		33	