

# TIMES WORLD SCHOOL

Winter Holiday Homework (2016 -17)

Class :VII

**English :** 1. Do the given work sheet. The worksheet should be submitted in a file.

2. Write a composition on the 'The most memorable day of my life' (200 words). The composition should be written on a pastel sheet.
3. The work should be presented as creatively as possible.

**Hindi:** क) बाल महाभारत के चरित्र अर्जुन व भीष्म पितामह के बारे में 250 शब्द लिखें व चित्र भी बनायें ।

ख) छोटे भाई को पत्र लिखकर समझाएये कि स्वस्थ शरीर में ही स्वस्थ मस्तिष्क निवास करता है। उसे यह भी बताइए कि स्वस्थ रहने के लिए किन-किन नियमों का पालन करना आवश्यक है ।

**Maths :** Do the given work sheet.

**Science :** Project work to be complete.

**S.St.:**

1. Read Ch - Life in the Temperate Grasslands and frame fifteen short and six long question answers in a thin separate notebook.

**Note:** Revise and learn the work done in all the subjects.

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## Maths Worksheet

Class :VII

Q.1 If  $x = 2$ ,  $y = 3$  and  $z = 1$ , find the value of each of the following algebraic expressions.

(a)  $x - y + x$  (b)  $3xyz - x^2 + 7$

Q.2 Divide 64 into two parts such that one part is three times the other.

Q.3 Solve and find the value of  $x$  in each case.

(a)  $2^x = 64$  (b)  $5^x = 125$

Q.4 Find the square of the following

(a)  $(-17)$  (b)  $[-15 / 14]$

Q.5 Classify the following as true or false

- (a) The sum of two integer can never be zero.  
(b) The sum of two integer is always greater than their difference.

Q.6 Multiply the following

(a)  $6 \times 3/9$  (b)  $5 \frac{3}{7} \times 1/19$

Q.7 If  $2 \frac{1}{2}$  m of cloth is required to make 1 shirt, how much cloth will be required to make 60 similar shirts?

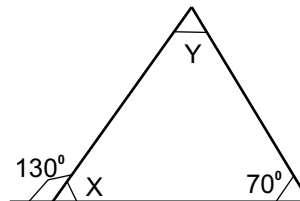
Q.8 Simplify

(a)  $19^4 \times 19^2 \times 19^1$  (b)  $(9^{21} \div 9^{18}) \times 9$

Q.9 Find the simple interest on Rs 30,000 for 219 days at 8% per annum ( 1 year = 365 days)

Q.10 The measure of the two complementary angles are  $x^\circ$  &  $(x+50)^\circ$ . Find the measure of each angles.

Q.11 In the given figure, find the value of  $x$  &  $y$ .



Q.12 Express the following in the simplest form.

(A) 1 hr 15 minutes : 45 minutes

Q.13 Divide 560 in the ratio

$1/3 : 1/4$

Q.14 Identify following as monomials, binomials or trinomials.

(A)  $x^2 y^2$  (b)  $42x^2$

Q.15 Sum of three consecutive odd number is 147. Find the numbers.

Q.16 Write the supplements of each of the following angles.

(A)  $91^\circ$  (b)  $115^\circ$

Q.17 Define (with figure)

- (a) Linear pair (b) Transversal  
(c) Vertically opposite angles

- Q.18 In the given fig, a pair of lines, PQ and RS, are intersected by a transversal MN. Name the :
- (A) Interior angles
  - (B) Exterior angles
  - (C) Alternate Interior angles
  - (D) Alternate exterior angles
  - (E) Corresponding angles
  - (F) Co-interior angles
- Q.19 Fill ups :
- (A) Two supplementary adjacent angles form a \_\_\_\_\_.
  - (B) The sum of the co-interior angles should be \_\_\_\_\_.
  - (C) The corresponding angles should be \_\_\_\_\_.
- Q.20 The area of the rectangular field is  $3456 \text{ m}^2$ . If the breadth of the field is 48 m. Find its length and perimeter.
- Q.21 Find the area of the parallelogram whose base is 23 cm and altitude is 8 cm.