

## HOLIDAY HOMEWORK- WINTER BREAK

### CLASS- 8<sup>th</sup> MATHEMATICS

Q.1 SOLVE THE QUESTION PAPER OF PT-2 EXAMINATION IN YOUR **MATHS NOTE BOOK**.

Q.2 WRITE AND LEARN THE SQUARE NUMBER OF 1 TO 30.

Q.3 WRITE AND LEARN THE CUBE NUMBER OF 1 TO 20.

Q.4 Find 4062, 722, 1452, 10972, and 1242 using the identities you have learnt so far.

Q.5. Use either a suitable identity or the distributive property to find each of the following products.

(i)  $(p - 1)(p + 11)$

(ii)  $(3a - 9b)(3a + 9b)$

(iii)  $-(2y + 5)(3y + 4)$

(iv)  $(6x + 5y)^2$

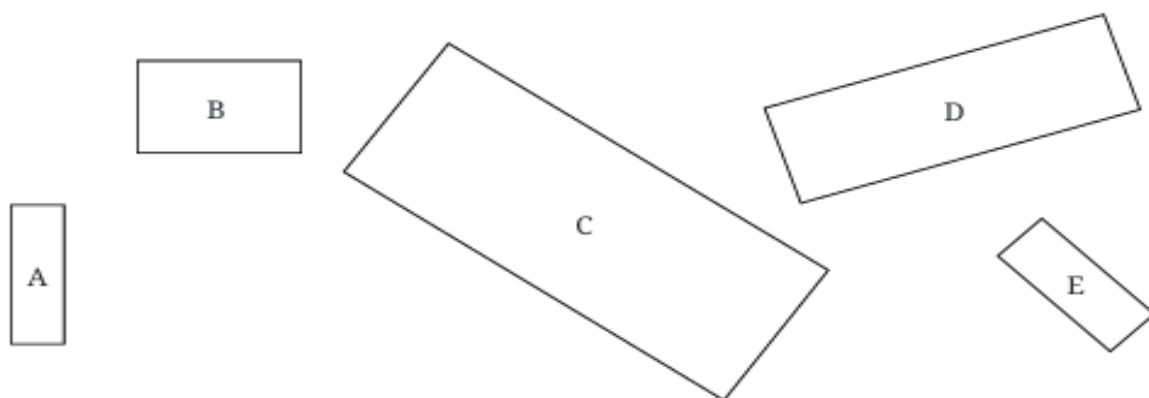
(v)  $(2x - 1)^2$

(vi)  $(7p) \times (3r) \times (p + 2)$

### Activities

Q.6 DO THE FOLLOWING ACTIVITIES IN YOUR MATHS NOTE BOOK.

1. Look at the following rectangles. Which rectangles are similar to each other? You can verify this by measuring the width and height using a scale and comparing their ratios.



2. Let us draw some human figures. Measure your friend's body—the lengths of their head, torso, arms, and legs. Write the ratios as mentioned below—



head : torso

\_\_\_\_\_ : \_\_\_\_\_

torso : arms

\_\_\_\_\_ : \_\_\_\_\_

torso : legs

\_\_\_\_\_ : \_\_\_\_\_



Now, draw a figure with head, torso, arms, and legs with equivalent ratios as above.

# WINTER BREAK HOMEWORK

Class 8

Sub -SCIENCE

Write in science Notebook

1. What is a force? Write the four effect of force applied on an object.
2. Write four difference between mass and weight.
3. What is a thunderstorm? Explain the process of its formation.
4. Write four difference between mixture and compound.
5. Write particle nature of the three states of matter.
6. Write the effect of temperature on density.
7. Write four uses of concave mirror.
8. Write four causes of Air pollution.

**Class: VIII-B.**

**Subject: English**

**1. Write a paragraph on the following topics (100–120 words)**

- a) A Winter Morning
- b) Importance of Reading Books
- c) My Favourite Festival

**2. Write a diary entry describing how you spent one day during winter holidays.**

**3. Write the meanings and make sentences of the following words:**

Grateful, Curious, Journey, Brave, Silence

**4. You are the Cultural Secretary of ABC Public School, Seoni. Your school is organising a Winter Carnival for students of classes VI to VIII during the winter holidays.**

**Write a notice in 50 words informing the students about the date, time, venue, activities, and registration details.**

**5. Read and write the summaries for all the chapters (Term-2 syllabus only)**

**6. Complete your notebooks and write neatly in your English notebook with correct grammar and punctuation.**

**PM SHRI KV SEONI**  
**HOLIDAY HOMEWORK**  
**CLASS 8**  
**SUB- CODING**

**SOLVE IN YOUR NOTEBOOKS-**

**Q1. What is meant by algorithm? Write an algorithm to find volume of cuboid?**

**Q2. What is meant by function? what are its advantages**

**Q3. What are different types of functions used in programming?**

**Q4. What are advantages of using arrays?**

**Q5. Give 5 real examples of arrays.**

## HOLIDAY HOMEWORK

Class viii

Sub ssc

1.Solve pt 2 Social science question paper.(Do this in your social science notebook)

2.MDP

- List major mountains of india and write a short note on them.(Any 5)
- List 10 river of India and write about them.(Paste their pictures also)
- Write a note on biodiversity of india and paste their picture.(Any 5).

(Do this in your MDP notebook.)

शीतकालीन अवकाश गृहकार्य

विषय हिंदी।

कक्षा आठवीं

1. 'सच्ची मित्रता' विषय पर चित्र सहित 100 शब्दों में कहानी लिखिए।
2. छुट्टियों में घूमने की योजना बनाते हुए अपने मित्र के साथ हुई बातचीत को संवाद के रूप में लिखिए।
3. नववर्ष की शुभकामना देते हुए अपने नाना जी / दादा जी को शुभकामना संदेश लिखिए।