

Army Public School

Holiday Homework 2017-18

Class-8

Subject- Maths

SECTION – A (LEARNING)

1. Learn the properties of operations of integers .
2. Laws of exponents
3. Square of natural numbers 1 to 20

SECTION – B (SOLVE) CHAPTER -1

1. Simplify $2\frac{1}{2} + \frac{7}{5}$
2. Verify the commutative property -- $\frac{2}{3} + (\frac{7}{2} + \frac{8}{7})$
3. If $a = \frac{1}{2}$ $b = -\frac{2}{3}$ and $c = -\frac{5}{18}$ then verify $a + (b+c) = (a+b) + c$
4. Multiply : $\frac{2}{3} * \frac{7}{19} * 1\frac{2}{3}$
5. Find the value $\frac{6}{7} * \frac{-3}{14}$
6. Solve $\frac{2}{7} + 19\frac{2}{3}$
7. Find the value of $-5/7 \div 3$
8. Represent on the number line $2/5$, $-3/7$, $7/4$
9. Insert three rational numbers between $1/3$ and $1/5$?
10. Find the area of rectangle of length $2\frac{1}{2}$ and breadth $1\frac{17}{19}$ m

CHAPTER – 2

1. Simplify $\{(-1/3)^2\}^{-1}$
2. $5^{-1} [(5/3)^4 + (3/5)^{-2}] \div 17/9$
3. Find the value of x =
 $(-2/5)^{-4} * (-2/5)^{12} = [(-2/5)^3]^x * (-2/5)^{-1}$
4. Simplify –
 $(2^{-4} * 15^{-3} * 625) \div 5^2 * 10^{-4}$
5. Express the following in standard form –
I) 0.000000003904
II) 127300000000
6. Simplify - $[2^{-1} + 3^0 + 5^0 + 7^{-1}]$
7. Find the value of $(p/q)^{-3}$
 $(9/4)^{-4} * (2/3)^3 = (p/q)^{11}$
8. Express the following numbers in usual form –
I) 4×10^{-5} II) 2.03×10^3
9. Simplify - $2^0 + 3^0 + (1/4)^0$
10. Simplify : $(0.00000625)^{-3/4}$

CHAPTER 3

1. Is 324 a perfect square ?
2. Make two Pythagorean triplet $(2m)^2 + (m^2-1) = (m^2 + 1)$
3. Find square roots of the following numbers –
9025 , 4096 , 5929 , 810000 , 10000
4. Find the square root of 12.0409
5. Find the square root i) 841/ 1521 ii) $8\frac{257}{529}$

SUB-SCIENCE

1. Learn the following chapters thoroughly for written test in July 2017.

Chapter -1 Crop Production and Management

Chapter-4 Metals and Non-metals

Chapter-11 Force and Friction

2. Prepare a non-working model of Modern Methods of Irrigation i.e. Drip or Sprinkler system. Explain its working and importance.
3. Answer the following internal questions:-
 - (i) What is nitrogen cycle? Explain physical and biological fixation of nitrogen in nature.
 - (ii) How is perishable food is different from non-perishable food? Give 3 examples of each.
 - (iv) What is animal husbandry? Explain in brief pisciculture and Apiculture.
 - (v) What is metal reactivity series? Where is potassium and Platinum placed in this series?

SUB-HINDI

प्र.1-शब्द विचार-पर्यायवाची,विलोम,अनेकार्थक,श्रुतिसमभिन्नार्थक, अनेक शब्दों के लिए एक शब्द ,—प्रत्येक 1-50 तक लिखो।

प्र.2-पत्र लिखो-

क-वाद-विवाद प्रतियोगिता में प्रथम आने पर मित्र को बधाई पत्र लिखो।

ख-छात्रावास में स्वच्छता अभियान में अपने योगदान का उल्लेख करते हुए पिताजी को पत्र लिखो।

प्र.3-अनुच्छेद लिखो-

क-इन्टरनेट का बढ़ता प्रभाव।

ख-योग- स्वस्थ जीवन का आधार।

प्र.4-मधुरिमा -पाठ 1से 4 तक याद करो।

विषय- संस्कृत

1. एक से सौ तक संस्कृत में गिनती लिखें तथा याद करें।
2. हिन्दी महीनों (भारतीय मासों) के नाम का एक चार्ट बनायें।
3. अभ्यास पुस्तिका में लिखाया गया सम्पूर्ण कार्य याद करें।
4. निम्नांकित शब्दों के रूप लिखें तथा याद करें-
बालक, बालिका, मुनि, नदी, गुरु, पितृ, मातृ,
'किम्' शब्द (तीनों लिंगों में) , फल, वारि।
5. निम्नांकित धातुओं के पाँचों लकारों में रूप लिखे तथा याद करें-
पठ् , गम् , लिख् , भू , अस् , पच् , दृश् , कृ
6. भारतीय तिथियों के नाम अपनी गृहकार्य पुस्तिका में लिखें तथा याद करें।

ENGLISH

1. Write at least two sentences of each type in Holiday Homework copy.(Assertive, Interrogative, Imperative, Exclamatory)
2. Write down the meaning of the following words which are similar in sound but different in meaning and frame 1-1 sentence of each word:-
 - a. Their-There
 - b. Accept-Except
 - c. Quite- quiet
 - d.Than-Then
3. Complete the following sentences with question tags:-
 - a. Sachin is going to play football.....?
 - b. He is not very fat.....?
 - c. They will do it tomorrow.....?
 - d. The Players won the match.....?
4. Transform the following sentences as directed:-
 - a. He is a lawyer. (Interrogative Sentence)
 - b. Will you bring a glass of water? (Imperative sentence)
 - c. As soon as the bell rang, the students went to the assembly ground. (No sooner.....than)
 - d. He is too young to be a Primeminister.(So.....that)
5. Write a Notice about the InterHouse Debate Competition of Class 6 to 8. Imagine yourself as the Secretary of the Literary Club.
6. Learn all the word meanings of Unit 1.

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General knowledge

1. Write five points on these volcanic mountains.

- Mount tambara
- Krakatoa
- Mount palee
- Mount raiz.

2. Write about the life history of any 10 sport legends.

Social science

HISTORY

1. Write a short note on any two acts:
 - The charter act of 1813 and 1833.
 - The regulating act of 1773.
 - Pitt's India act of 1784.

GEOGRAPHY

1. Define the different types of soil found in India?
2. Make a map on a chart paper to show different types of soil in India.

CIVICS

1. Write a note on "a written constitution is better than an unwritten one". The British constitution is an unwritten one while India has a written constitution.
2. Find the name of the important ministers and their ministries (minimum 20).