



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

2nd Term Test - 2018



Sub : **Arithmetic**

Duration : **1:30 mins**

Class : **4 A, B & C**

F.M. : **54**

Date : **02.08.2018**

Roll No: _____

(Marks will be deducted for untidy work, spelling mistakes and work not done in systematic manner).

SECTION - A

1. Fill in the blanks:

(12)

a) 8 hundreds - (6 tens and 2 ones) _____

b) _____ $\times 3 = 12$ $\times 4$

c) $100 + \text{_____} = 2100$

d) How many 12s are there in 132? _____

e) Write the prime number that comes before 15. _____

f) What is half of 4 tens and 6 ones? _____

g) 7 dozens = _____

h) _____ $\times 170 = 17$ hundreds

i) 4 sets of 12 + 3 sets of 4 = _____

j) Add half dozen to half score = _____

k) $(7 \times 15) + 25 = \text{_____}$

l) $990 \div 11 = \text{_____}$

SECTION - B

2. Write the first 2 multiples of the following:

(2)

a) 8

b) 12

3. Write the common factors of the following numbers.

(3)

a. 51 and 68

b. 27 and 45

c. 6 and 8

4. a. Which of the following numbers are exactly divisible by 5?

(3)

1358, 4205, 256, 1090, 1994,

b. Which of the following numbers are exactly divisible 2 and 3?

12, 15, 18, 21, 24, 27, 30

c. Find whether 882 is exactly divisible by 7 or not.

5. Express as Hindu – Arabic numerals.

(3)

a. XXXI -

b. XVII -

c. XIV -

6. Find the H.C.F of the following by prime factorization

(3)

15, 18, 30

7. Find the prime factors by factor tree method

(2)

72

8. Find if 21 and 35 are co – prime or not?

(2)

SECTION – C

9. Solve the following -

(4×6=24)

a. A bicycle cost Rs. 2138. How much will 189 such bicycles cost?

b. The cost of 96 sets of pen are Rs. 49920. If the cost of all the sets of pen are the same, find the cost of one set of pens?

c. There are 397846 men, 274398 women and 534786 children in a city. What is the total population of the city?

d. Mohan earns Rs. 48000 in 3 months. What is his annual income?

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Shaila Anb
25/07/18



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SECTION - A

1. Fill in the blanks:

(12)

- a) 8 hundreds - (6 tens and 2 ones) 738
- b) $\underline{16} \times 3 = 12 \times 4$
- c) $100 + \underline{2000} = 2100$
- d) How many 12s are there in 132? 11
- e) Write the prime number that comes before 15. 13
- f) What is half of 4 tens and 6ones? 23
- g) 7 dozens = 84
- h) $\underline{10} \times 170 = 17 \text{ hundreds}$
- i) 4 sets of 12 + 3 sets of 4 = 60
- j) Add half dozen to half score 16
- k) $(7 \times 15) + 25 = \underline{130}$
- l) $990 \div 11 = \underline{90}$

SECTION - B

2 Write the first 2 multiples of the following:

(2)

- a) 8 - 8, 16
- b) 12 - 12, 24

3. Write the common factors of the following numbers.

(3)

a. 51 and 68

51 - 1, 3, 17, 51

68 - 1, 2, 4, 17, 34, 68

So the common factors of 51 & 68 is 17

b. 27 and 45

27 - 1, 3, 9, 27

45 - 1, 3, 5, 15, 45

So the common factors of 27 & 45 is 3

c. 6 and 8

6 - 1, 2, 3, 6

$$8 - 1, 2, 4, 8$$

So the common factors of 6 & 8 is 2

4. a. Which of the following numbers are exactly divisible by 5?

(3)

1358, 4205, 256, 1090, 1994,

- b. Which of the following numbers are exactly divisible 2 and 3?

12, 15, 18, 21, 24, 27, 30

- c. Find whether 882 is exactly divisible by 7 or not.

$$2+2 = 4$$

$$88 - 4 = 84$$

$$84 / 7 = 12$$

So 882 will be divisible by 7 as it leaves no remainder

5. Express as Hindu – Arabic numerals.

(3)

a. XXXI - 31

b. XVII - 17

c. XIV - 14

6. Find the H.C.F of the following by prime factorisation

(3)

15, 18, 30

Children will prime factorise the numbers

$$15 = 3 \times 5$$

$$18 = 2 \times 3 \times 3$$

$$30 = 2 \times 3 \times 5$$

So the H.C.F of 15, 18, and 30 is 3

7. Find the prime factors by factor tree method

(2)

72

Children will do by the factor tree method

The prime factors of 72 are $2 \times 2 \times 2 \times 3 \times 3$

8. Find if 21 and 35 are co – prime or not?

(2)

$$21 = 1, 3, 7, 21$$

$$35 = 1, 5, 7, 35$$

So 21 and 35 are not co prime numbers.

SECTION – C

9. Solve the following -

(4×6=24)

a. A bicycle cost Rs. 2138. How much will 189 such bicycles cost?

Cost of 1 bicycle = Rs 2138

Therefore cost of 189 bicycles will be 2138×189

Ans = Cost of 189 bicycles will be Rs. 404082

b. The cost of 96 sets of pens are Rs. 49920. If the cost of all the sets of pen is the same, find the cost of one set of pens?

Cost of 96 sets of pens Rs 49920

Therefore cost of 1 set of pens = $49920 / 96$

Ans. The cost of 1 set of pens will be Rs. 520

c. There are 397846 men, 274398 women and 534786 children in a city. What is the total population of the city?

Number of men = 397846

Number of women = 274398

Number of children = 534786

Therefore total number of children = 1207030

Ans. The total population of the city is 1207030

d. Mohan earns Rs. 48000 in 3 months. What is his annual income?

Amount of money Mohan earns in 3 months = Rs 48000

Therefore in 1 month he earns = $48000 / 3 = 16000$

Therefore his annual income will be $16000 \times 12 = 192000$

Ans. Mohan's annual income is Rs.192000

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