



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

3rd Term Test - 2019



Sub : Arithmetic

Duration : 2hr

Class : 4 A, B & C

F.M. : 75

Date : 25.11.2019

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

SECTION - A

1) Do the following:

(1x20=20)

a) Reduce $\frac{48}{56}$ into its lowest term =

b) $4\frac{1}{2}$ dozens - 2 scores = units.

c) $5481 \div 9 =$

d) Which number when multiplied by itself gives 169 ?

e) How much will five dozen oranges cost at Rs. 6 per orange?

f) 136 minus eleven 8s =

g) How many hours are there in 7200 seconds ? hours.

h) 19 bicycles will have wheels.

i) Divide 248 marbles equally among 8 children marbles

j) 1 week = hours

k) What is half of 64 =

l) Which number plus 209 gives 300 ?

m) How many tens are there in 10,000 ?

n) 3 weeks minus 4 days = days

o) Write the least 4-digit number.

p) $4312 + 4123 =$

q) Place value of 6 in 92631 is

r) $7\frac{4}{7} - 2\frac{1}{7} =$

s) Convert $17\frac{2}{3}$ into an improper fraction.

t) 9 sets of 12 plus 9 sets of 11 =

SECTION – B

2. Do the following sums:

- a) Convert into seconds : 2 hours and 12 seconds (3)
- b) Find the prime factors of 28 by division method (3)
- c) Multiply 37.12 by 19 (3)
- d) Add 24 hr. 27 min. 36 sec and 18 hr. 29 min. 17 sec (3)
- e) Divide Rs. 967.50 by 25 (3)
- f) Express in expanded form : 307.509 (3)
- g) Subtract 42454 from 79437 (3)
- h) Convert into 24-hour system : 8.00 am and 5.50 pm. (2)
- i) Convert into hours and minutes : 9720 seconds. (2)

SECTION – C

- 3. Mohan buys 8 kg of rice at the rate of Rs 28 per kg, a shampoo bottle for Rs 96.25 and 5 kg of sugar at the rate of Rs. 35 per kg. Make a bill for the purchase. (5)
 - 4. Ravi reaches his office at 9.45 a.m. He takes his lunch from 1 p.m. to 2 p.m. He leaves his office at 6 p.m. How many hours per day does he work in the office? (5)
 - 5. The fee collection from 60 students is Rs 14400. What will be the fee collection from 20 students? (5)
 - 6. Measure the line segments AB and CD and verify that AB is longer than CD. (5)
- A _____ B C _____ D (5)
- 7. Brad had Rs. 4834.84 with him. He gave Rs. 3216.46 to Angelina, Rs. 1537.38 to Beckham and divided the rest of the money among his three cousins equally. How much did his each cousin get? (5)
 - 8. Draw two clocks showing the following time: (5)
 - a. 6 hr 50 mins
 - b. 9 hr 20 mins

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MODEL ANSWERS

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

SECTION – A

1) Do the following:

(1x20=20)

- a) Reduce $\frac{48}{56}$ into its lowest term = **6/7**
- b) $4\frac{1}{2}$ dozens – 2 scores = **14 units**
- c) $5481 \div 9 =$ **609**
- d) Which number when multiplied by itself gives 169? **13**
- e) How much will five dozen oranges cost at Rs. 6 per orange? **Rs.360**
- f) 136 minus eleven 8s = **48**
- g) How many hours are there in 7200 seconds? **2 hours.**
- h) 19 bicycles will have - **38 wheels.**
- i) Divide 248 marbles equally among 8 children **31 marbles**
- j) 1 week = **168 hours**
- k) What is half of 64 = **32**
- l) Which number plus 209 gives 300? **91**
- m) How many tens are there in 10,000? **1000**
- n) 3 weeks minus 4 days = **17 days**
- o) Write the least 4-digit number. **1000**
- p) $4312 + 4123 =$ **8435**
- q) Place value of 6 in 92631 is **Hundred/600/ 6hundred**
- r) $7\frac{4}{7} - 2\frac{1}{7} =$ **$5\frac{3}{7}$**
- s) Convert $17\frac{2}{3}$ into an improper fraction. **$\frac{53}{3}$**
- t) 9 sets of 12 plus 9 sets of 11 = **207**

SECTION – B

2. Do the following sums:

a) Convert into seconds: 2 hours and 12 seconds (3)

2 hours X 60 minutes = 120 minutes

120 minutes X 60 seconds = 7200 seconds + 12 seconds

Ans. 7212 seconds

b) Find the prime factors of 28 by division method (3)

Ans. The prime factors of 28 are 1, 2, 7

c) Multiply 37.12 by 19 (3)

$$\begin{array}{r} 37.12 \\ \times 19 \\ \hline 705.28 \end{array}$$

Ans: 705.28

d) Add 24 hr. 27 min. 36 sec and 18 hr. 29 min. 17 sec (3)

Hours minutes seconds

$$\begin{array}{r} 24 \quad 27 \quad 36 \\ 18 \quad 29 \quad 17 \\ \hline 42 \quad 56 \quad 53 \end{array}$$

Ans. 42 hrs. 56mins. 53secs

e) Divide Rs. 967.50 by 25 (3)

Ans. Rs. 38.7

f) Express in expanded form: 307.509 (3)

307.509 = 300 + 7 + 0.500 + 0.009

g) Subtract 42454 from 79437 (3)

$$\begin{array}{r} 79437 \\ - 42454 \\ \hline 36983 \end{array}$$

Ans. 36983

h) Convert into 24-hour system : 8.00 am and 5.50 pm. (2)

Ans. 8.00 am = 08.00 hours and 5.50 p.m. 17.50 hours

i) Convert into hours and minutes : 9720 seconds. (2)

9720 ÷ 60

Ans. 2hours 42 minutes

SECTION – C

3. Mohan buys 8 kg of rice at the rate of Rs 28 per kg, a shampoo bottle for Rs 96.25 and 5 kg of sugar at the rate of Rs. 35 per kg. Make a bill for the purchase. (5)

Items	Quantity	Rates	Amount
1. Rice	8 kg	28.00	224.00
2. Shampoo	1	96.25	96.25
3. Sugar	5kg	35.00	175.00
	Total		495.25

4. Ravi reaches his office at 9.45 a.m. He takes his lunch from 1 p.m. to 2 p.m. He leaves his office at 6 p.m. How many hours per day does he work in the office?

	Hr	Mins	
Ravi reaches office at	9	45	
Time taken for lunch	1	00	
He leaves at	6	00	(5)

Ans **Ravi works for 7hrs 15mins**

5. The fee collection from 60 students is Rs 14400. What will be the fee collection from 20 students? (5)

The fee collection for 1 student is $14400 \div 60$

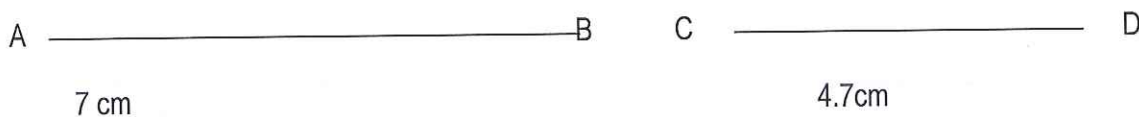
$$= \text{Rs. } 24$$

The fee collection for 20 Students will be 24×20

$$= \text{Rs } 4800$$

20 students will pay Rs 4800

6. Measure the line segments AB and CD and verify that AB is longer than CD. (5)



7. Brad had Rs. 4834.84 with him. He gave Rs. 3216.46 to Angelina, Rs. 1537.38 to Beckham and divided the rest of the money among his three cousins equally. How much did his each cousin get? (5)

Amount Brad had = Rs 4 8 3 4 . 8 4

Amount Angelina received = Rs 3 2 1 6 . 4 6

Amount Beckham received = Rs 1 5 3 7 . 3 8

Amount left = Rs 8 1

Amount each cousin received = $81 \div 3$

$$= 27$$

8. Draw two clocks showing the following time: (5)

a. 6 hr 50 mins

b. 9 hr 20 mins

Students will draw the clocks

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