Math Assignment

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[Institutional Affiliation(s)]

Author Note

Math Assignment

**Online Homework 2.1**

**1)**

{A, B} and {a, b}

A→ a, B→ b

A→ b, B→ a

**2)**

{a, b, c} and {1, 2, 3}

a→ 1, b→ 2, c→ 3

a→ 1, b→ 3, c→ 2

a→ 2, b→ 1, c→ 3

a→ 2, b→ 3, c→ 1

a→ 3, b→ 1, c→ 2

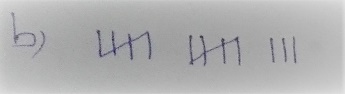
a→ 3, b→ 2, c→ 1

**3)**

**a)**



**b)**

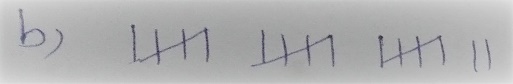


**4)**

**a)**

****

**b)**

****

**5)**

LXIII

**6)**

DCCLVIII

**7)**

MDCCCLXVII

**8)**

MMCMLXXXIX

**9)**

MCCXXXXIV

**10)**

65

**11)**

782

**12)**

1392

**13)**

3434

**14)**

3451

**15)**

CDLVI

**16)**

DXCVI

**17)**

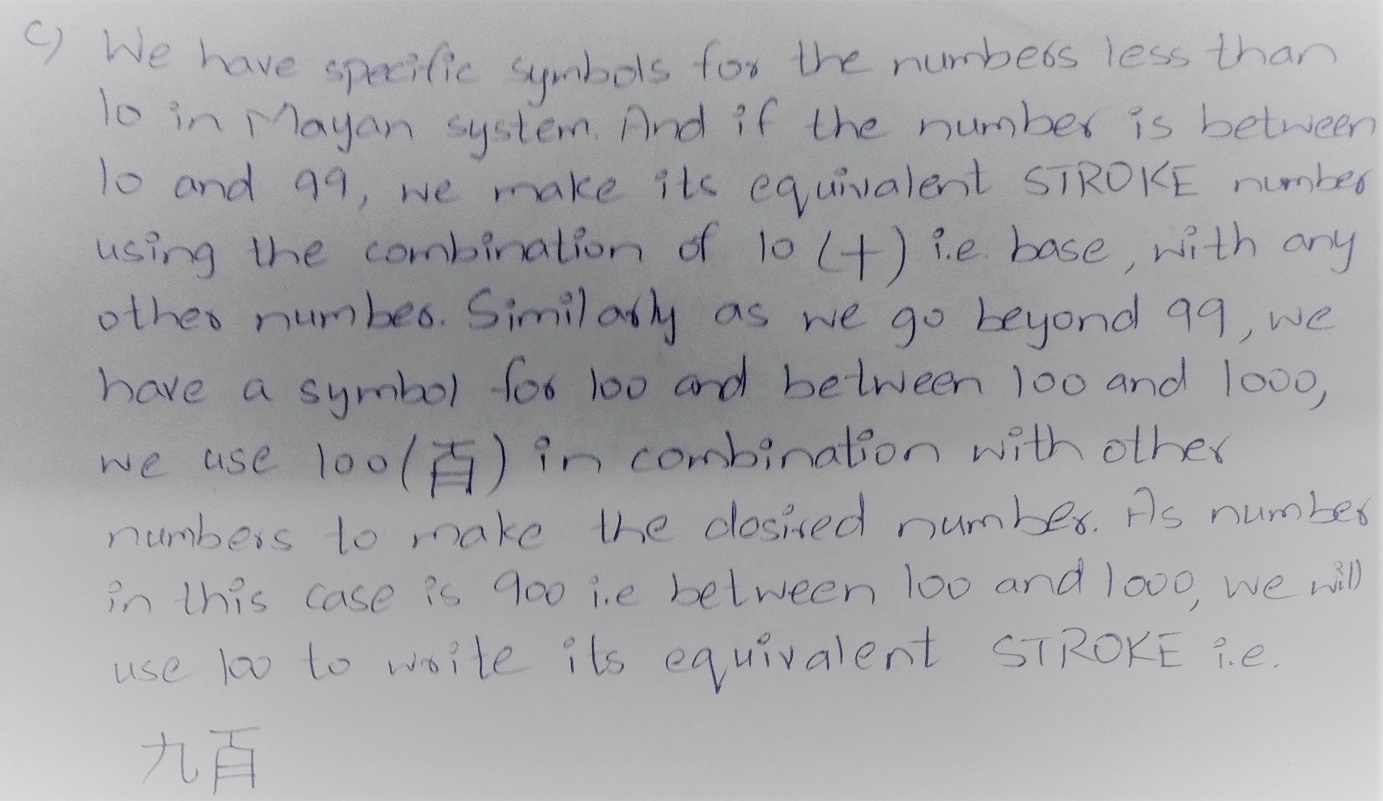
**a)**

900

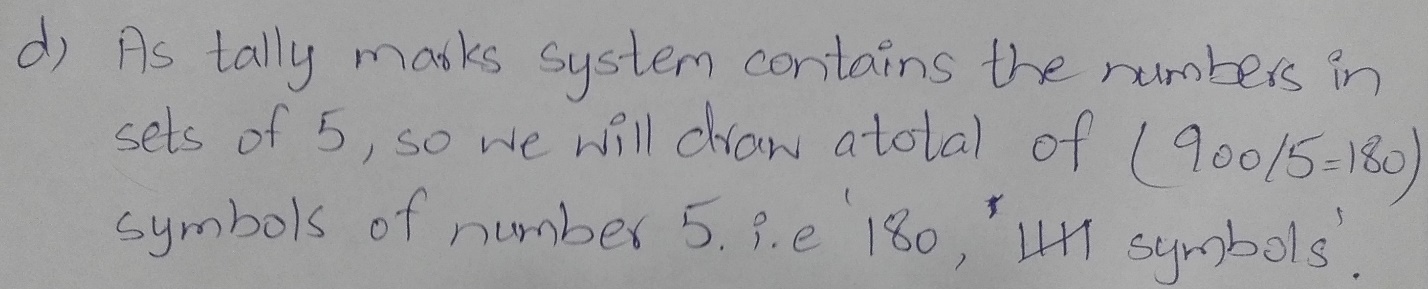
**b)**

CM

**c)**

****

**d)**

****

**Online Homework 2.2**

**1)**

937

**2)**

362

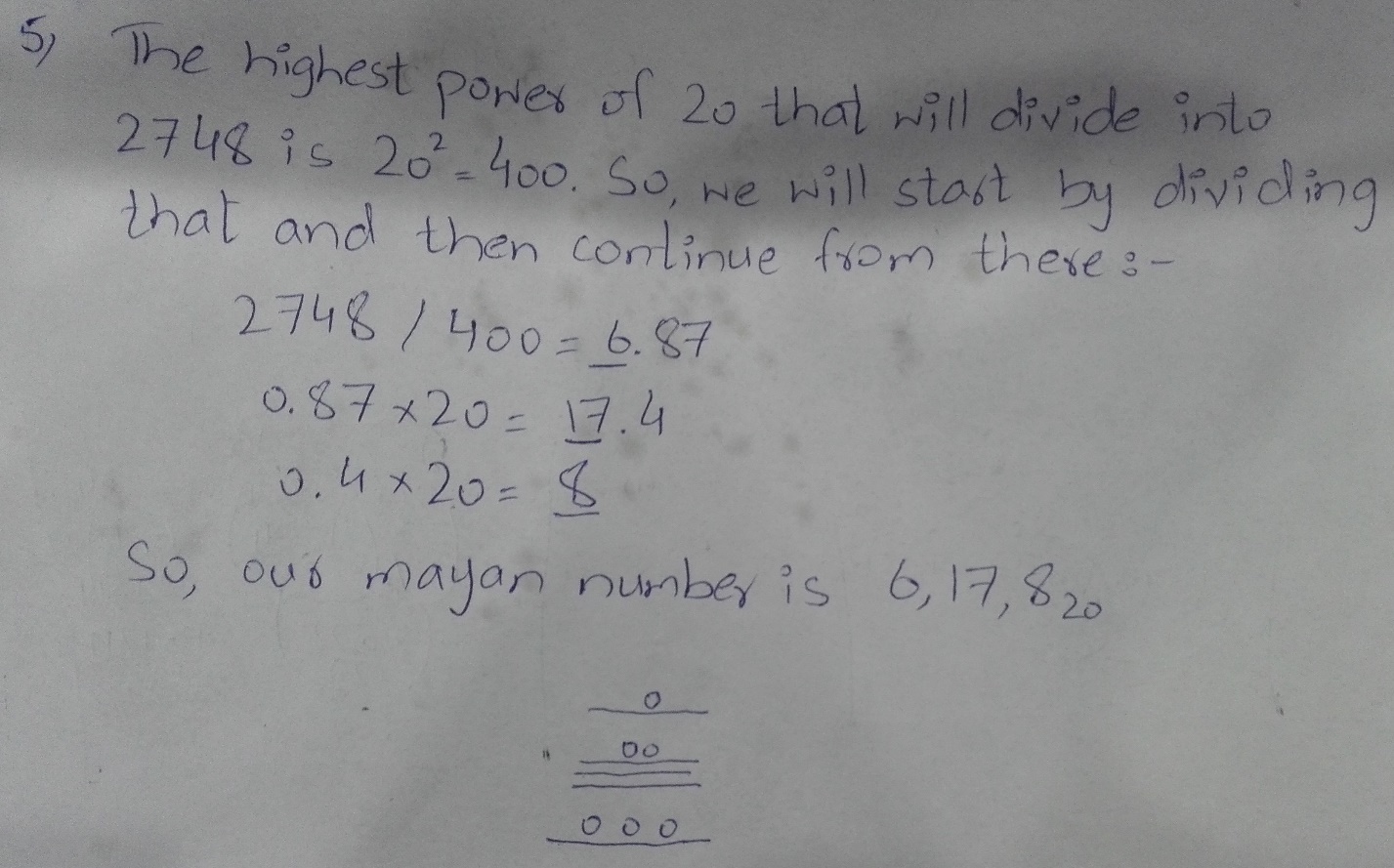
**3)**

3 + (14x20) + (0x20x20) + (5x20x20x20) = 40283

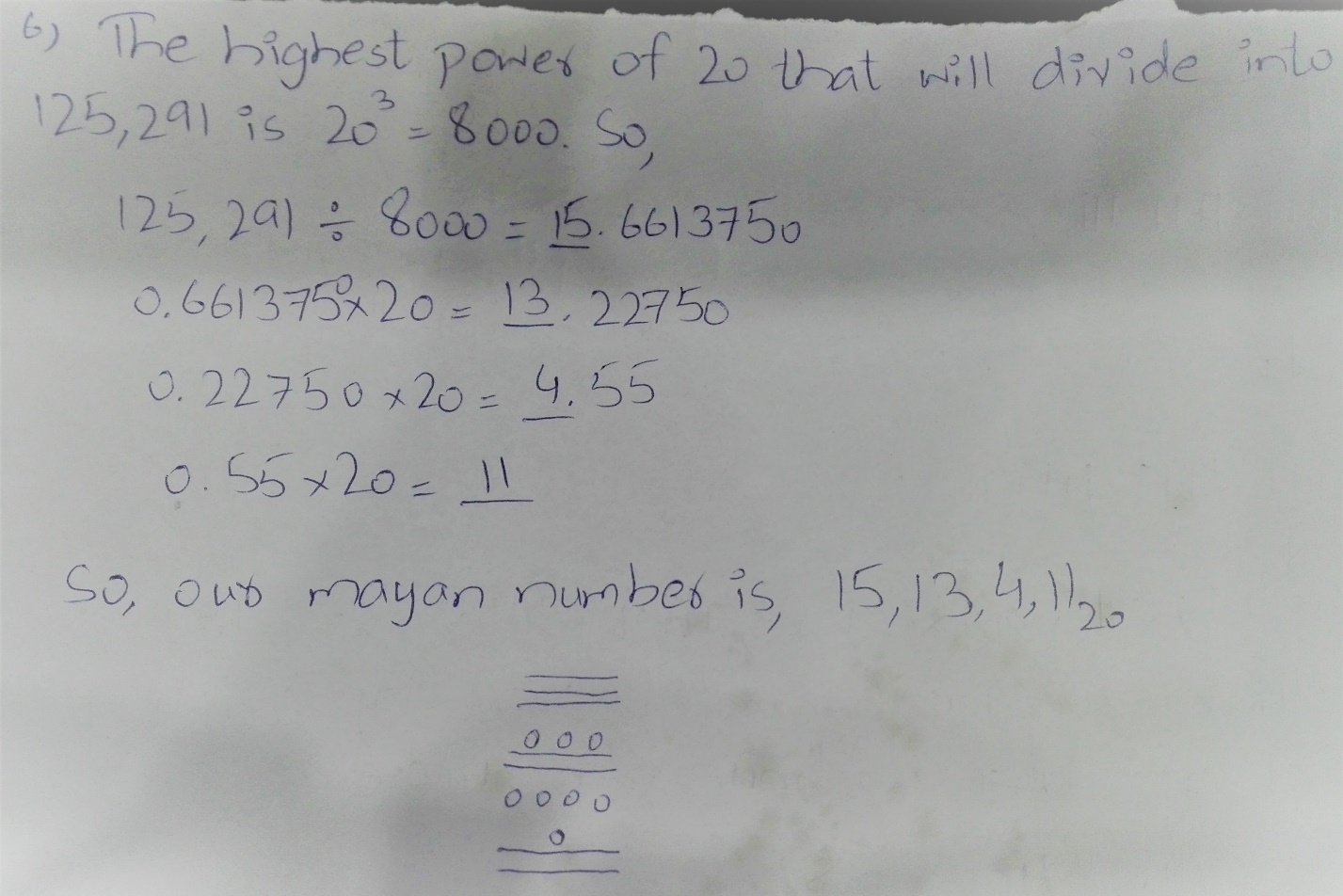
**4)**

18 + (12x20) + (17x20x20) + (8x20x20x20) = 71058

**5)**



**6)**

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**Online Homework 2.3**

**1)**

5,631 = 5000 + 600 + 30 + 1

**2)**

8,327 = 8000 + 300 + 20 + 7

**3)**

1,232 = 1000 + 200 + 30 + 2

**4)**

32

**5)**

59

**6)**

59

**7)**

63

**8)**

6588

**9)**

20378

**Online Homework 2.4**

**1)**

2202

**2)**

3312

**3)**

2033

**4)**

1001100

**5)**

1110001

**6)**

1111010

**7)**

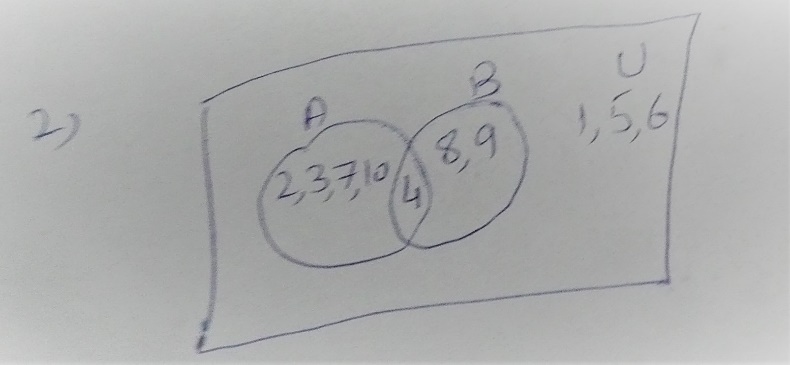
1111100

**Module 1 and 2 Test Practice**

**1)**

1110111

**2)**

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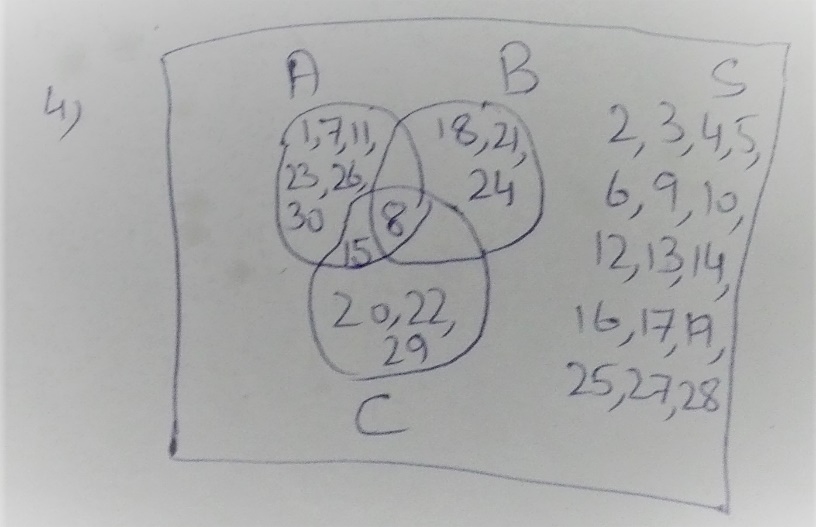
= {1,2,3,5,6,7,8,9,10}

U ) = {1,2,3,5,6,7,8,9,10}

**3)**

4

**4)**

****

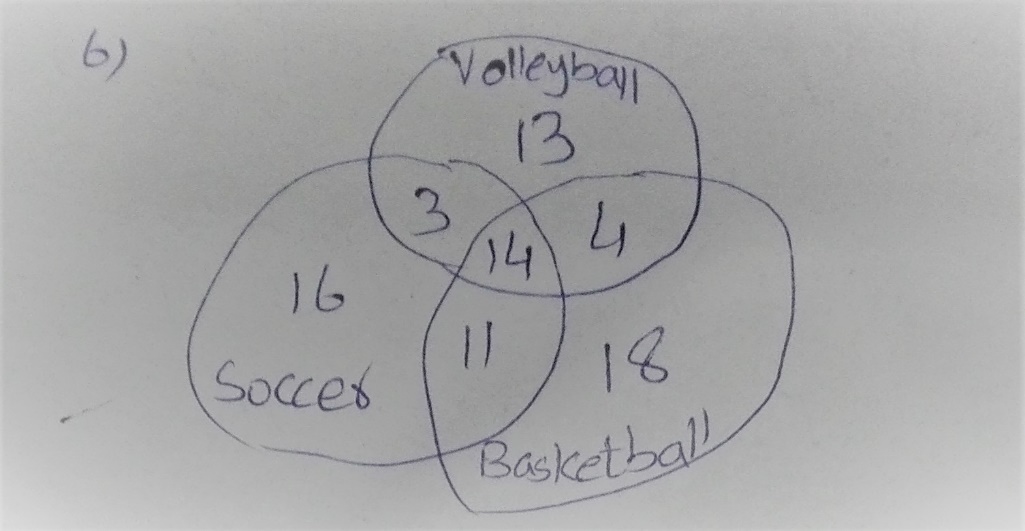
(A U B U C) = {1,7,8,11,15,18,20,21,22,23,24,26,29,30}

(A B C) = {8}

**5)**

(a), (b), (d) and (f) i.e. {5,7,11,13,17,19}, {17}, {} and {5,7}

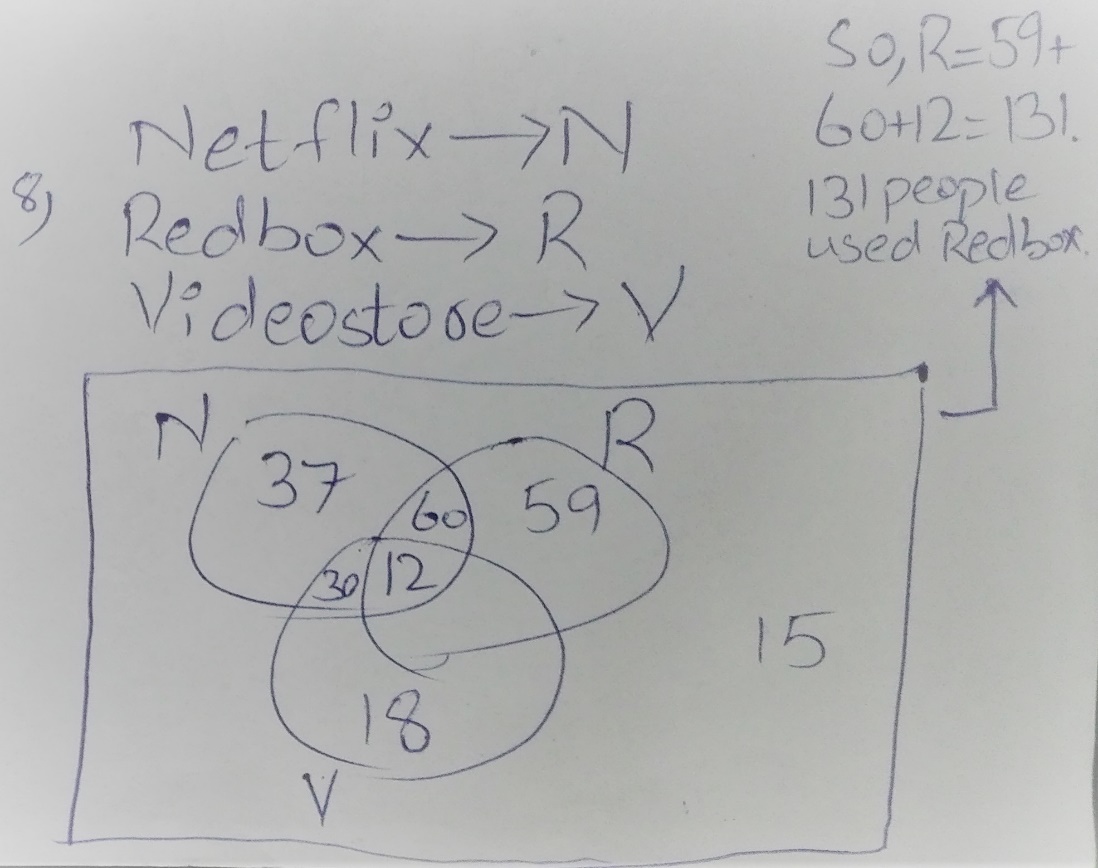
**6)**



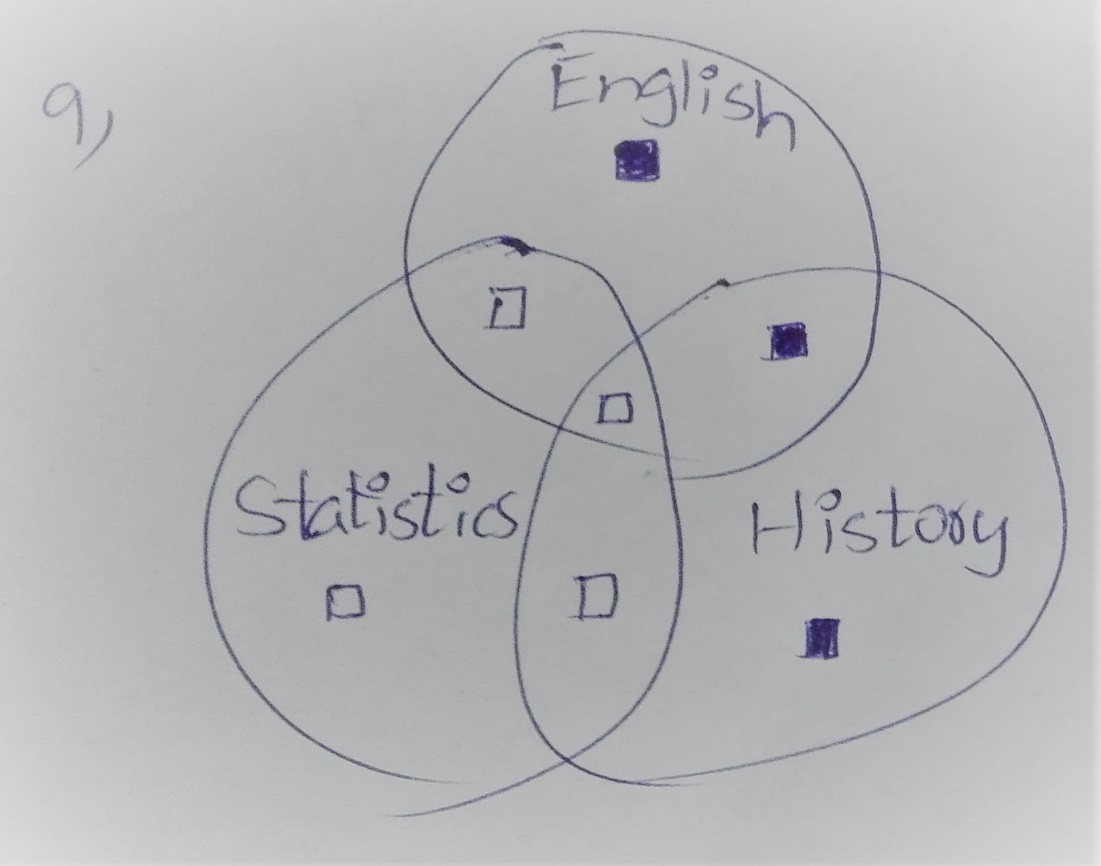
**7)**

47

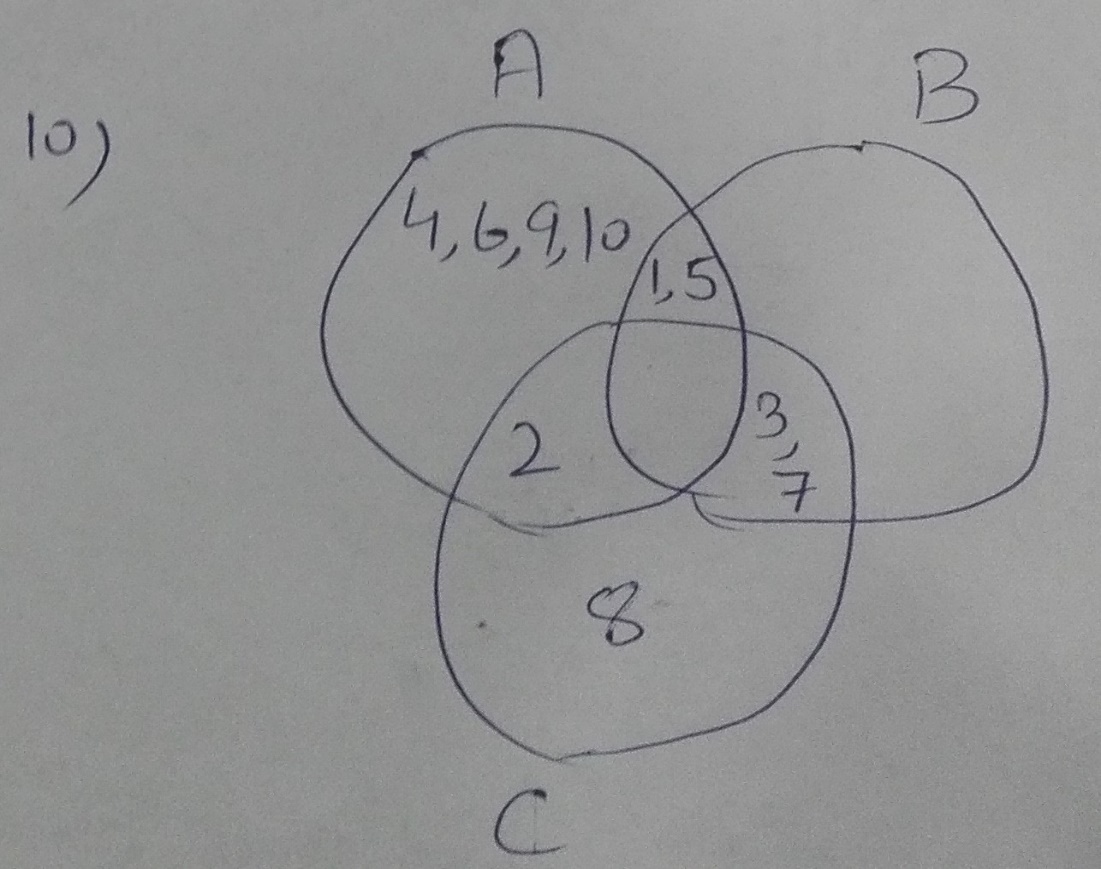
**8)**

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**9)**

****

**10)**

****

( U ϕ) = {3,7,8,11}

(A C) = {2}

( U B) = {1,3,5,7,8,11}

(B C) = {3,7}

**11)**

(A U B) = {a,b,c,f,g,h,i,j,k,m}

(A B) = {f,h}

= {a,b,c,g,i,j,k,m}

k € A, (A U B), and U

{f,k} ⸦ U, (A U B)

**12)**

5,493 = 5000 + 400 + 90 + 3

**13)**

575

**14)**

MMDXXXVII

**15)**

33523

**16)**

**a)**

(N U S) = {4D,4N,4Q,5N,6N,7N,8N}

**b)**

(Q U W) = {4Q,5Q,6D,6H,6N,6P,6Q,7Q,8Q,9Q}

**c)**

(D U P) = {4D,5D,5P,6D,6P,7D,7P,8D,8P,9D}

**17)**

n( ) = 1

**18)**

DCLIX

**19)**

4242

**20)**

1913

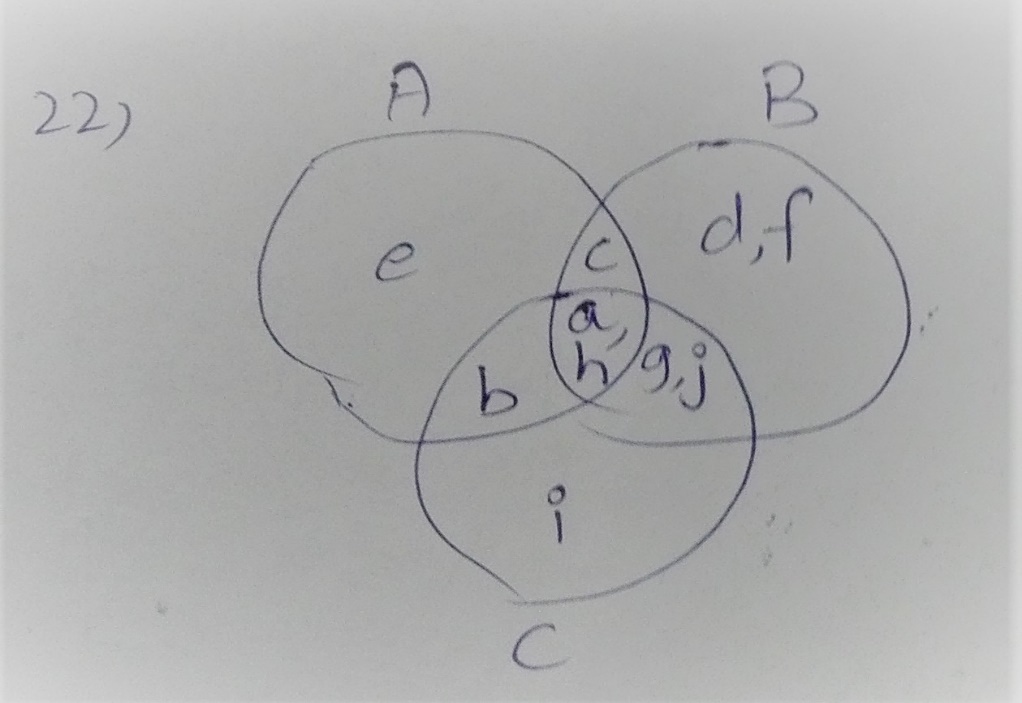
**21)**

n(A) = 4

n(A C) = 2

n(A B ) = 1

**22)**

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U = {b,c,d,e,f,g,i,j}

**23)**

n(A C) = 2

**24)**

n(P) = 4

n(N) = 5

n(Q) = 6

n(D) = 6

n(Z) = 3

n(H) = 4

n(Y) = 4

n(T) = 0

n(S) = 3

n(W) = 5

n(X) = 5

n(V) = 5

n(C) = 25

n(A) = 0

**25)**

56326