National Educatio ociety'	s High School
Bhandup (w) Mumbai - 400 078	3
II Sem Examination	

	II Sem Examination	
Std: X/Div:	Sub-Arithmetic	Marks:25
Roll No:	No of Pgs-02	Time:1Hrs
Date: 18.3.2019		
Q1 A) Fill in the bla		(5)
$i)(a+b)^2 = a^2 + +$	·b²	
ii)(hypotenuse) ² =	(base) ² +() ²	
iii) Principal + Inter	rest =	
iv) Number of stud	lents and money collected	d are in
proportion.		
v) An expression in	which multiplication is th	ne only operation is
called		
B) State whether	the statements are True o	or False (5)
i) The symbol √	is used for 'Square root'	
ii) Perimeter of a s	quare = 4 X side=	
$iii)(a-b)^2 = a^2 - 2ab$	+b ² =	
	of all scores in the given	data =
	Total number of	
	otal namber of	
I Solve the follow	ing	(10)
i)The daily rainfall	for each day of a week in	a certain city is given
	d the average rainfall duri	
9,11,8,20,10,16,12		
ii)Expand : (5a+6b		
	gled $\triangle PQR \angle P = 90^{\circ}$	
	nd $\ell(PR)$ =10cm. Find the	
iv) A page of Caler	ndar is 45 cm long and 20	cm wide. What is its
area.		

Pg-1

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$i)(a+b)^2 = a^2 + + b^2$	2	
ii) $(hypotenuse)^2 = (hypotenuse)^2$	pase) ² +() ²	
iii) Principal + Intere	st =	v *
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proportion.		
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National Education Society's High School Bhandup (w) Mumbai – 400 078 II Sem Examination

B) State whether the statements are True or False
i) The symbol √ is used for 'Square root'
ii) Perimeter of a square = 4 X side=
iii)(a-b)² = a²- 2ab +b² = ____
iv) Average = sum of all scores in the given data = _____
Total number of

I Solve the following (10)
i)The daily rainfall for each day of a week in a certain city is given

in millimeters. Find the average rainfall during the week. 9,11,8,20,10,16,12.

ii)Expand: (5a+6b)²

iii) In the right –angled $\Delta PQR \angle P = 90^{\circ}$

If ℓ (PQ) = 24cm and ℓ (PR) =10cm. Find the length of Seg QR.

iv) A page of Calendar is 45 cm long and 20 cm wide. What is its area.

Pg-1

- iv) A page of Calendar is 45 cm long and 20cm de. What is its area.
- v) If Rihanna deposits 1500 in the school fund at p.c.p.a for 2 years, what is the total amount she will get?

II Solve the following:

(15)

- i)The cost of 12 quintals of Soyabcan is 36,000 rupees. How much will 8 quintals cost?
- ii) Add:- 2a+6b+8c; 16a+13c+18b
- iii)(12a+4b) X 4c
- iv)5m 4 = 1
- v) 16xy X 18xy

III) Solve the following:-

(15)

- A matchbox is 4cm long, 2.5 cm broad and 1.5cm in height. Its outer sides are to be covered exactly with craft paper. How much paper will be required to do so?
- 2) If the circumference of a circle is 176 cm. Find its radius.
- 3) What is the area of a triangle with base 4.8 cm and height 3.6cm

- iv) A page of Candar is 45 cm long and 20cm wide. What is its area.
- v) If Rihanna deposits 1500 in the school fund at p.c.p.a for 2 years, what is the total amount she will get?

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