	OFIND			incine .	Chapter NO	Chapter	Learning Outcomes
							Natural Numbers 1 to 99. Tens and Ones. Compare. Sort. Order. Ordinal
			1		1.1	Number System	numbers 1 to 10
				Arithmetic	1.2	Addition	Simple addition by counting, One digit addition upto 99
	1				13	Subtraction	Simple subtraction by counting, One digit subtraction - larger number is 99,
	1					Gubiduliun	Relate counting, addition and subtraction with each other
	1		2	Geometry	21	Shanes	Observe Identify Classify Build Draw 2.D shares
					31		Differentiate words used to describe measurement - long/short, thick/thin,
					0.1		far/near, big/small, tall/short, heavy/light, more/less
	1	AK1	3	Mensuration	3.2	Mensuration	Observe, Compare, Sort, Order length, weight, volume/capacity - measure length using body parts
		ANI			L	-	Differentiate words word to describe position, inside/autoide, en/under
					3.3		near/far, above/below, Top/bottom etc
					4.1		Patterns and symmetry with shapes, Patterns in real life
			4	Patterns	4.2	Patterns	Patterns with numbers, musical notes
					4.3		Patterns with art and architecture in real life
			5	Time	5.1	Time	Tell time using hours and half hours (sapada, sardha, padona etc)
				Commented Application		Manage	Understand basis states and and for success.
			•	Commerical Application	0.1	woney	Understand barter system and need for currency
			7	Bharitya Ganitam	7.1	Importance	Mangalasloka, Importance, Historical facts
				Bilding Comain	7.2	Bhutasankhya	One name for numbers 1 to 10 in Bhutasankhya
	_						
					1.1	Number System	Natural Numbers 1 to 999, Hundreds, Tens and Ones, Compare, Sort, Order, Ordinal numbers 1 to 20, skip counting
					L		Simple addition by equation, addition unto 000 uning place values
				Arithmotic	1.2	Addition	krama, utkrama addition
				Anometic			Simple subtraction by counting, subtraction upto 999 using place values - larger
					1.3	Subtraction	number is 999,
							krama, utkrama subtraction Relate counting, addition and subtraction with each other
							Observe, Identify, Classify Ruild Draw 2D shapes
- ( <b>`</b>				0	2.1	05.	Observe, Identify, Classify 3D shapes
			2	Geometry		Snapes	Nets of solids for 3D shapes
	IX.				2.3		Shadows of 3D objects, Symmetry, Stack, Rotation, Reflection, Transformation
					3.1	Capacity	Formal units of Weight/Volume- litres, kg, g
	1		3	Mensuration	3.2	Length	Formal units - cm, inch, foot etc
	2	AK2			3.3	Length	Application of length with comparison, addition and subtraction
					4.1		Patterns and symmetry with shapes - 2D, 3D
			5	Patterns	42	4.2 Patterns	Patterns with numbers - arithmetic sequences (skip counting),
		•					Permutations of numbers with 3 digits,
		1			4.3		Magic Triangles
					4.4		Patterns with art and architecture in real life - kolam/rangoli, dots, flowers, ropes etc.
						-	Tell time using hours and half hours (sanada, sardha, nadona etc)
				Time	5.1	Time	Timekeeping with body parts
			6	Commerical Application	6.1	Money	Exchange of money, Bhanda pratibhanda,
					74	Ulatan	Application of addition, subtraction with currency
				Bharitya Ganitam	7.1	history	Mangalasioka, importance, Historical facts
			7		7.2	Bhutasankhya	available and explainable)
					7.3	Katapayadi	Varnamala to Katapayadi numbers mapping
						Mumber Custom	Natural Numbers 1 to 9999, Thousands, Hundreds, Tens and Ones, Compare, Sect. Octor: Ordinal numbers & Remon Numerols
					1.1	Number System	Discussion on zero, Whole numbers
						Addition	Place value addition. Kroma Litkroma with without companyor
					1.2	710010011	Flace value addition - Krama, otkrama, with without can yover
					1.2	Subtraction	Place value subtraction - Krama, Utkrama, with/without borrowing
					1.2 1.3	Subtraction	Place value automore vitama, our ana, winnerwinder canyover Place value subtraction - Krama, Utkrama, with without borrowing Relationship between addition and subtraction
					1.2	Subtraction	Place value aubtraction a fins, otkiania, winniventicut carryona Place value subtraction - krama, Ultwama, withivethout borrowing Relationship between addition and subtraction Group counting, Times Tables of 2, 3, 4, 5, 10. Ultracena util 4 driat with a driat multilaterian
			1	Arithmetic	1.2	Subtraction	Place value addition + Karina, Suffarma, within Work can yover Place value suffarction - Karina, Ulkrama, within Work Dorrowing Relationship between addition and subtraction Group counting, Times Tables of 2, 3, 4, 5, 10. Ubarana vidh 4 digit with 1 digit multiplication Observe Properties of multiplication
			1	Arithmetic	1.2 1.3 1.4	Subtraction	Pado Yaka dukuta tukun Yakata Calana, markata Lanyove Plado Yaka dukuta tukun Kalana, markata Kalana Corao counting. Times Taktes of 2, 3, 4, 5, 10 Utanana vidh 4 digi with 1 digi mutipilariation Observe Properties of mutipilariation Muti-step Real life problema surgi concepts of addition, subtraction,
			1	Arithmetic	1.2 1.3 1.4	Subtraction	Pade Yabe abundin' notani di Autoria, winninoto cariyote Place value abundin' notani, di Vibinita di Vibinita di Autoria Relatorahip tetveen addion and subtraction Grupo conting, Times Hales of 2, 3, 4, 5, 10. Utasana vihi 4 digt with 1 digt multiplication Deserve Poperteri of multiplication Multi-step Real lie problem using occione di addion, subtraction, Multi-step Real lie problem using occione.
			1	Anthmetic	1.2 1.3 1.4	Subtraction	Pade value decorrison - Andrei - Antonia, winningen, Las yove Pade value decorrison - Andrei - Antonia, winningen, Las yove Pade value - Pade value - Antonia, Antonia - Antonia Group country: Times Tables of 2, 3, 4, 5, 10 Ubasaran with 4 digit multiplication Multi-step Pade III problems using concepts of addition, subtraction, (Money, length, Number problems) Introduction to Mixing a statistica are seeded subtraction, as inverse of times
			1	Arithmetic	1.2 1.3 1.4	Subtraction Multiplication	Pade value subirscient, robine, domini, winniholo, barryose Piece value subirscient, robine, domini, winniholo, borrowing Realatombip between addition and subtraction Group counting, Times Bales of 2, 3, 45, 50. Ubasana vdh 4 dgi vdh 1 dgi multiplication Multi-step Real life problems using concepts of addition, subtraction, multiplication (More, length, Number problems) Introduction to Division as shring, as repeated subtraction, as inverse of times tables
			1	Arithmetic	1.2 1.3 1.4 1.5	Subtraction Multiplication	Pade value substation - values, - Usins, minimute, Les yours Place value substation - values, - Usins, - minimute, - Les yours Group counting, Times Tables et 2, 3, 4, 5, 10, Ubasama vidh 4 digt with 4 digt multiplication Multi-step Pade III is problem value joroceptis of addition, substation, (Money, length, Number problems) Introduction to Division as sharing, are suppared substration, as inverse of times tables Relationship between multiplication and Division
			1	Anthmetic	1.2 1.3 1.4 1.5	Subtraction Multiplication Division Fractions	Pade value aubitraction - Karana, Utharma, with without borrowing Pede value aubitraction - Karana, Utharma, without borrowing Pedetonship Varena addison da settion Charana with 4 dig tar with 4 dig framilysis from Observe Properties of multiplication Multi-step Real Ifle problems using concepts of addition, subtraction, multiplication (Mony, length, Number problems) Introducton to Division as sharing as repeated subtraction, as inverse of times Relationship between smitplication and Division Divisibility Tests for 2, 5, 10 Introducton to Fradions 12, 10, 314. Franctiona as sharinn
			1	Athmetic	1.2 1.3 1.4 1.5 1.6	Subtraction Multiplication Division Fractions	Note that address of some submitted or some submit and some submitted or some submitted or some submitted or some s
			1	Arthmetic	1.2 1.3 1.4 1.5 1.6 2.1	Subtraction Multiplication Division Fractions	Pade value automation - Kanisa Contains, winning barrowing Pade value automation - Kanisa Contains, winning barrowing Circup counting, Times Tables at 0.3, 4, 6, 10 Ubarrowing Times Tables at 0.3, 4, 6, 10 Ubarrowing Concepts of autoficination Multi-step Pade III proteins using concepts of autoficin, subtraction, multiplication (Money Length, Standbarrowing). Introduction to Division as sharing Relationship between multiplication and Division Divisibility Tests for 2, 5, 10 Introduction to Fradins 17, 10, 14, 14 - Fradition as sharing Relation to Fradition 12, 10, 14, 14 - Fradition as attributes (e.g., Research with shapes and their attributes. Understand that shapes in different angeorate (e.g., chandres), and offensity may share attributes (e.g., Research with shapes and their attributes. Understand that shapes in different angeorate (e.g., chandres), and offensity may share attributes (e.g., and chandres).
			1	Arthmetic	1.2 1.3 1.4 1.5 1.6 2.1	Subtraction Multiplication Division Fractions Geometry	Pace New subjection - Krains Ultrams, with without by University Pace Reveal and State - Krains Ultrams, with without by University Group counting, Times Tables of 2, 3, 4, 6, 10. Ultrams with 4 digit multiplication Descree Properties of multiplication (More, Length, Number problems) (More, Length, Number problems) Introduction to Practice and State 2, 2, 5, 10. Introduction to Practice State 2, 2, 5, 10. Network State 2, 2, 5, 10. Introduction to Practices 17, 2, 14. Fractions as sharing Resource and ther arthouse. Understate that thapses in different angeories 4, and other state 2, 4, and thapses in different angeories 4, and there arthouse. Understate that thapses in different angeories 4, and there arthouse Understate that thapses in different angeories 4, and there arthouse there are thereased there are and there arthouse thereased therease arthouse and therease and therease and there arthouse and therease arthouse arthouse and thereased thereased thereased therease arthouse arthouse and thereased the thereased therease arthouse arthouse and thereased thereased thereased thereased therease arthouse arthouse and thereased th
		P	1	Arthmetic	1.2 1.3 1.4 1.5 1.6 2.1 2.1	Subtraction Multiplication Division Fractions Geometry	Place value abandonsi notati a contract minimized casi yoles Place value abandonsi yole water and the second barrowing Circup country in the tables of 2.3.4.5, 10. Ubarram with 4 digit multiplication Multi-step Place list problems using concepts of addition, subtraction, (Money, length, Number problems) Introduction to Division as sharing are replated subtraction, as inverse of times tables Relationship between multiplication and Division Division b Fractions 12.7. (J.3.14.F. Fractions as sharing Reason with stapes and their arbitrutes. Understand that stapes in different Breader with stapes and their arbitrutes. Understand that stapes in different Breader with stapes and their arbitrutes. Understand that stapes in different Breader with stapes and their arbitrutes. Understand that stapes in different Breader on states) Reader on tables. To descend that stapes in different Breader on tables. Breader addition ard barbons Breader barbons. Breader Brack 2.0.0. Reader on tables. Breader Brack 2.0.0. Reader on the states of cube, cubod. circle as 2D of sphere, 2D ~ 3D for tables, cube, cubod
		P	1	Arthmetic	1.2 1.3 1.4 1.5 1.6 2.1 2.1	Subtraction Multiplication Division Fractions Geometry	Page Read subjection - Krains Litranis, with without by Joining Page Read subjection- Krains Litranis, with without by Joining Circup Counting, Times Tables of 2, 3, 4, 6, 10. Ubasima with 4 dight with 4 dight multiplication Delever Properties of multiplication, subtraction, multiplication of the subject of the subject of the subject of the multiplication of the subject of the subject of the subject of the Relationship between multiplication and Driston Divisibility Tessel & 2, 5, 10. Introduction b Fractions 12, 13, 14. Fractions as sharing Relationship between multiplication and Driston Divisibility Tessel & 2, 5, 10. Introduction b Fractions 12, 13, 14. Fractions as sharing Relationship between the Underschaft that bases in different all bots and the rational buck chards of the sab 20 displays. Relate source multiplication and bots 20 displays. Relate source multiplication and briston Divisibility Tessel and the rational bases in different. Relate source multiplication and briston 20 displays. Relate source multiplication and briston and briston Divisibility Tesse and the rational briston and briston. Divisibility Tesse and the rational briston and briston Divisibility Tesse and the rational briston and briston. Divisibility Tesse and the rational briston and briston. Tesse and the rational briston and briston and briston. Divisibility Tesse and the rational briston and briston. Division Tesse and the rational briston and briston. The rational briston and the starburge and the rational briston and the rational bris
	3	P A D	1	Arthmetic	1.2 1.3 1.4 1.5 1.6 2.1 2.1 2.1 3.1	Nuclean Multiplication Division Fractions Geometry	Place value accession - Andreik, Collisitat, Ministricuito, Las ly Jose Place value accession, Andreik, Collisitat, Ministria, California, Ministria, California, Ministria, California, Ministria, California,
	3	P A D A	1	Arithmetic	1.2 1.3 1.4 1.5 1.6 2.1 2.1 3.1 3.2	Subtraction Subtraction Multiplication Division Fractions Geometry	Page Read additional for Koming     Page Read additional procession additional and additional     Defense additional procession additional additional additional     Corcup counting, Times Tables of 2, 3, 4, 6, 10.     Ubarriam additi 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,
	3	P A D A M 1	2	Arthmetic	1.2 1.3 1.4 1.5 1.6 2.1 2.1 3.1 3.2	Subtraction Mutriplication Division Fractions Geometry	Pade value according to the set of the set
	3	P A D A M 1	1	Arthmetic Geometry Mensuration	1.2 1.3 1.4 1.5 1.6 2.1 2.1 3.1 3.2 3.3	Subtraction Multiplication Division Fractions Geometry Mensuration	Pade value automation - Knalls - Outman, with without borrowing Pade value automation - Knalls - Outman, with without borrowing Group counting. Times Tables at 0.3.4,6,510 Ubarana with 4 digit multiplication Dobserve Properties of multiplication Multi-table Pade in Surger Concepts of addition, subtraction, multiplication Monary, Monary - Monary - Monary - Monary - Monary Relation to Division as sharing as expected subtraction, as inverse of times tables Relation by Factions 12, 10, 14, 14: Fractions as sharing Reason with shapes and their attributes. Understand that shapes in different ageories (e.g Monaes, Recalled, and Orteking and Division Divisibility Tests for 2, 5, 10 Relate snuare, rectarging a port color, and orteking and starburst 20 - or Color, and Orteking and path are attributes (e.g. 20 - or Color, and Color and Color and Color and Color Measure volume, weight - times, kg, Generation like add/buttaci on weight and volume Measure length in cm, km, meter etic Operations like add/buttaci on length (same units, no conversions)
	3	P A D A M 1	2	Arthmetic Geometry Mensuration	1.2 1.3 1.4 1.4 1.5 1.8 2.1 2.1 2.1 3.1 3.2 3.3	Subtraction Subtraction Multiplication Division Processor Geometry Mensuration	Place value addression - Arran A. Claima, manufacture and your Place value addression - Arran A. Claima, manufacture addression Corcup counting, Times Tables et 2, 3, 4, 5, 10 Ubasma with 4 digit multiplication Multi-step Neutifier and addression and subtraction, Neutifier addression - Arran A. Statistication, and the Relationship testeries and claima addression - Arran A. Statistication, Neutifier addression - Arran A. Statistication, as inverse of times tables Relationship testeries and claima and subtraction, as inverse of times tables Relationship testes for 2, 5, 10 Introduction to Fractions 12, 12, 14, Fractions as sharing and Relationship testes for 2, 5, 10 Introduction to Fractions 12, 12, 14, 14, Fractions as sharing Relates and their attribute. Understand that tables in different categories (e.g., -frontbuese, reclangles, and others) may share attributes (e.g., Navisity of tables, and others) may share attributes (e.g., Navisity of tables). Relate square, rectangles to faces of cube, cubod, circle as 2D of sphere, Concord of covering the space inside a sharpe using filter, tables Relates square, rectangles to faces of cube, cubod, circle as 2D of sphere, Concord of covering the space inside sharpe using filter, and Relates square, rectangles to faces of cube, cubod, circle as 2D of sphere, Coperations like addisubitatic on weight can volume Measure tengtin terupol. Times, to, g. Coperations like addisubitatic on weight can volume Measure lengtin terupol. Times, to, g. Coperations like addisubitatic on weight can volume Measure tengtin tengtin terupolitics in graph units).
	3	P A D A M 1	2	Arthmetic Geometry Mensuration	1.2 1.3 1.4 1.5 1.6 2.1 2.1 3.1 3.2 3.3 3.4	Subtraction Multiplication Division Effactors Geometry Mensuration	Pade value automation - Kanak, Uterama, with without between Pade value automation - Kanak, Uterama, with without borrowing Croup counting, Times Tables at 2.3.4.5,10. Ubarama with 4 digit multiplication Dobserve Properties of multiplication Multi-batp Pada like problems using concepts of addition, subtraction, (Money, length, Number problems) Introduction to Division as sharing are repaided subtraction, as invense of times tables Relationship between multiplication and Division Dowability Tests for 2.5, 10 Introduction to Fractions 12.7, 13.14.F. Fractions as atlanding are sub- gravity and the subtraction of the sub- Division Division to Fractions 12.7, 13.14.F. Fractions as atlanding are used to prove the subtraction of the subtraction as atlanding ex- gence (a, d) multiplication and Division Divisionally Tests for 2.5, 10 Introduction to Fractions 12.7, 13.14.F. Fractions as atlanding ex- gerations like add/subtract on the subtraction as atlanding ex- plored covering the space inside a shape using time, tangram, chilts etc. Measure volume, weight - times, ka, 9, Operations like add/subtract on tenght (same units, no conversions) Transform shapes Using graph paper (straight fines, lengths in graph units) Relation Subtos, Tomored (same units, no conversions) Transform Subtos, Subtraction of same provide graph paper (straight fines graph) and subtraction graph paper (straight fine graph) and subtraction graph paper (straight fines graph) and subtraction graph).
	3	P A D A M 1	2	Arthmetic Geometry Mensuration	1.2 1.3 1.4 1.5 1.6 2.1 2.1 3.1 3.2 3.3 3.4	Subtraction Multiplication Division Fraction Geometry Mensuration	Pade value substation - forms. O utilinat, with investigation of the substation - forms. O utilinat, with a substation of the substation and substation of the substation of t
	3	P A D A M 1	2	Arthmetic Geometry Mensuration	1.2 1.3 1.4 1.5 1.6 2.1 2.1 3.1 3.2 3.3 3.4 4.1	Subtraction Multiplication Division Friscion Geometry Mensuration	Pace value automation - Analia, Containt, winninoid, Las youe Pace value automation - Karala, Solaria, et al. (1990). Group counting, Times Tables of 2, 3, 4, 5, 10. Ubasama vith 4 digit with digit multiplication Multi-step Pacel is problem value on context of a solarity of the Context of the problem value of the solarity of the solarity of the Multi-step Pacel is problem value of the solarity of the solarity of the Multi-step Pacel is solarity of the solarity of the solarity of the Multi-step Pacel is solarity of the solarity of the solarity of the Relationship between multiplication and Division Division Division is solarity as the 2, 5, 10 Introduction to Pacelon Factors 12, 10, 14 - Fractions as sharing Reason with shapes and their arbitrules. Understand that shapes in different bodynets (e.g., housing the solarity of the solarity of the solarity of the Bacter of the solarity of the solarity of the solarity of the Bacter of the solarity of the solarity of the solarity of the solarity Reason with shapes and their solarity of the solarity of the solarity of the Bacter of the solarity of the solarity of the solarity of the solarity Bacter of the solarity of the solarity of the solarity of the solarity Bacter of the solarity of the solari
	3	P A D A M 1	2	Arthmetic Geometry Mensuration	1.2 1.3 1.4 1.5 1.6 2.1 2.1 3.1 3.2 3.3 3.4 4.1 4.2	Subtraction Multiplication Division Frection Geometry Mensuration	Pade value subtraction - values 2.0 Usins, menutation, del y lows Pade values subtraction - values 2.0 Usins, menutation, del y lows Croup counting. Times Tables et 2.3, 4, 6, 10 Ubarama with i dig thrift dig multiplication Null-sep Pael leip of the pade values of the pade values of the pade values of the pade values of the pade values of the pade (More, Length, Number problems) Introduction to Division as sharing, as repaids subtraction, as inverse of times tables Relationship tests for 2.5, 10 Introduction to Fractions 12, 12, 14. Fractions as sharing as Relationship tests for 2.5, 10 Introduction to Fractions 12, 12, 14. Fractions as sharing Relates and ther attractice. Understand that tables in different caregories and ther attractice. Understand that tables in different. Relate square, rectangles, thosas of cube, cubodic dride as 20 of sphere. Composed (powers) the space values of a subper using there. Mage - Tractorg paths, Vlaudizing a path or route Mages - Tractorg paths, velocitation that the display tand volume Mages - Tractorg paths, velocitation tables in good units) Diversibility relations (2.6) of the second of the second of the Operations like addisubtract on leight (same units, no conversions) Draw squareinetcanged on graph pages values (sage) tang volume Mages - Tables addisubtract on leight (same units, no conversions) Draw squareinetcangle on graph pages values (sage) tang volume Mages - Tables addisubtract on leight (same units, no conversions) Draw squareinetcangle on graph pages values (sage) constrain).
	3	P A D A M 1	2	Arthmetic Geometry Mensuration	1.2 1.3 1.4 1.5 1.5 2.1 2.1 3.1 3.2 3.3 3.4 4.1 4.2 4.2	Subtraction Multiplication Division Friectons Geometry Mensuration Patterns	Piece value devolution - Andreik, Ostania, Manimitoli, Las Iylues Piece value devolution - Andreik, Ostania, Manimitoli, Las Iylues Piece values - Andreik, Ostania, Manimitoli, Castrijona, Circup costnity: Laskeward Mith digit multiplication Multi-step Real Biorobiens values of constraints (Morey, length, Number problems) Introduction to Division as sharing, are pareled subtraction, as inverse of times tables Relationship between multiplication and Division Division to Division to Sharing and the start of the start Introduction to Division to Division to Division Introduction to Division to Division to Division Division to Division to Division to Division Division to Division to Division Division to Division to Division Division to Division to Division Division to Division to Division to Division to Division Division to Division to Division t
	3	P A D A M 1	1	Arthmetic Geometry Mensuration Patterns	12 13 14 14 15 15 21 21 21 33 33 34 41 42 43	Subtraction Subtraction Multiplication Division Fraction Geometry Mensuration Patterns	Pade Neural substation - Varian Cultimate, minimulated by Neural Pade Neural substation - Varian Cultimate, minimulated by Neural Croup Counting, Times Tables et 2, 3, 4, 6, 10 Ubarama with it digit multiplication Descree Properties of multiplication Null-sup Neural Information - Neural Science, Neural (More, Length, Number problems) Introduction to Practicon service of times Labourge and the information and Division Divisibility Tests for 2, 5, 10 Introduction to Fractions 12, 173, 144 - Fractions as sharing a Relationship tests for 2, 5, 10 Introduction to Fractions 12, 173, 144 - Fractions as sharing Cheater and the information of Division Divisibility Tests for 2, 5, 10 Relate source, eaching and the share substation Relates and the information of Division Divisibility Tests for 2, 5, 10 Relates source, eaching and the share using the Lingsam, chits et Mage - Trading paths, Visualizing a path or route Mages - Trading paths, Visualizing a path or route Mages - Trading paths, Visualizing a path or route Divisibility relation (2, 9, 9) Operations like addivisibilitation of the route of the addivision Transform Schere Ling graph speed (1). Here, 4, 9 Operations like addivisibilitation of the route of the addivisibilitation of the route of the speed relation of the distribution Transform Schere Ling graph speed (1). Here, 4, 9 Operations like addivisibilitation of the route of the speed relation of the addivisibilitation of the route of the speed relation of the addivisibilitation of the route of the speed relation of the route of the speed relation of the addivision of numbers - 20, 50 Patterns and symmetry with shapes - 20, 50 Pat
	3	P A D A M 1	2 3 4	Arthmetic Geometry Mensuration	12 13 14 14 15 15 16 2.1 2.1 2.1 3.1 3.2 3.3 3.4 4.1 4.2 4.3 4.4	Subtraction Unarticleation Division Div	Piace value accessing of the second
	3	P A D A M 1	1	Arthmetic Geometry Mensuration Patterns	12 13 14 15 15 21 21 32 33 34 441 42 43 44 51	Subtraction Subtraction Multiplication Division Fraction Geometry Mensuration Patterns	Pade Neural subtraction - Varian Cultimate, with number do funding Pade Reveloping Eventson Mark States et al. 3, 4, 6, 10 Ubasama vidih 4 digit validitation and subtraction, Ubasama vidih 4 digit validitation, subtraction, Multi-sup Reveloping Reveloping Validitation, subtraction, (More, length, Number problems) Introduction Division as sharing, a separated subtraction, as inverse of times table Relationship Tests for 2, 6, 10 Introduction Division 12, 173, 144 - Franktorn as sharing Relationship Tests for 2, 6, 10 Introduction Division 12, 173, 144 - Franktorn as sharing Relationship Tests for 2, 6, 10 Introduction Division 12, 173, 144 - Franktorn as sharing Relate sharing market and the share subtraction, and the language and ther attracture. Understand that tables in different, Branch with aligned and the share subtraction of the share attracture tables of the share of the share subtraction of the share attracture Relate share, rectangle, and direkt y and the share attracture Mages - Tracting paths, Visualizing a path or note Mages - Tracting direkt of the share share the share table Transformed the addisubtract on weight call and volume Mages - Tracting direkt of the share share the share of the Pathers with mumber - attraction as e. 20, 30 Pathers and symmetry with shapes - 20, 30 Pathers with mumber - attractions approxements and Share attractions propers with double or that side of a squareheet and contents of combers and h digits. Mage Sauce and contents of combers and h digits. Mages Sauce and contents of combers and h digits. Pathers with and an attracture of a content and an attracture of a content of the share and an attracture of a content of the share and an attracture of a content of the share and an attracture
	3	P A D A M 1	1 2 3 4 5	Arthmetic Ceometry Mensuration Patterns Time	12 13 14 15 15 16 2.1 3.1 3.2 3.3 3.4 4.1 4.2 4.3 4.4 5.2	Subtraction Subtraction Multiplication Division	Pade value schemen volatie. Journal with minimical set yours Pade value schemen volatie. Journal with minimical set yours Pade value schemen volatie. Journal volation and substration information Group counting: Times Tables of 2.3.4.6, 10. Ubastram with it digit multiplication Multi-step Pade list problems using coordinal distributions, (Money, length, Number problems) Introduction to Instance multiplication, as inverse of times tables Relations <sup>1</sup> /
	3	P A D A M 1	1 2 3 4 5 6	Arthretic Geometry Mensuration Patterns Time Commercial Association	12 13 14 15 16 2.1 2.1 2.1 3.3 3.3 3.4 4.1 4.2 4.3 4.4 5.1 5.2 6.1	Subtraction Subtraction Multiplication Division Fraction Geometry Mensuration Patterns Time Commercical Application	Pade New addrestor - Vorse Usins, with with addressor Pade Reve addrestoring between address and subcommon Group counting. Times Tables of 2, 3, 4, 6, 10 Usarama with 4 dight with 4 dight multiplication Null-step New Properties of multiplication (Morey, length. Number problems) Introduction to Practice and State (State 1) Relationship tests for 2, 5, 10 Introduction to Fractions 12, 10, 14. Fractions as sharing Relationship tests for 2, 5, 10 Introduction to Fractions 12, 10, 14. Fractions as sharing Relationship tests for 2, 5, 10 Introduction to Fractions 12, 10, 14. Fractions as sharing Relationship tests for 2, 5, 10 Relationship tests for 2, 5, 10 Relates and their athreuse. Understand that takes in different and the state of the state of the state of the state Relationship tests for 2, 5, 10 Relates on the state of the state of the state of the state Relationship tests for 2, 5, 10 Relates on the state of the state of the state of the state Relationship tests for 2, 5, 10 Relates on the state of the state of the state of the state Relates on the state state of the state of the state Relates on the state state of the state of the state Relates on the state index of the state of the state Relates on the state state of the state state of the state Relates on the state state of the state state of the state Relates on the state state of the state state of the state Relates on the state state of the state state of the state of the state Relates on the state state of the state state of the state of the state state Relates on the state state of the state state of the state state Relates on the state state of the state state of the state of a state state of the state state of the state state of the st
	3	P A D A M 1	1 2 3 4 5 6	Arthmetic Ceometry Mensuration Patterns Time Commercial Application	12 13 14 15 15 16 2.1 3.1 3.2 3.3 3.4 4.1 4.2 4.3 4.4 5.1 5.2 6.1 7.1	Subtraction Subtraction Multiplication Division	Piece value schemen volatie, durant minimical, set yours Piece value schemen volatie, durant value value value value Group counting: Times Tables of 2, 3, 4, 5, 10 Ubastama vidh i dig value value value value value value value (Money, length, Number problems) Introduction to Practice of multiplication Multi-step Piece (e.g., for an expected subtraction, as inverse of times tables Relation to a sharing, as repeated subtraction, as inverse of times tables Relation to Practice Value Value value value value value value value Relation to Practice Value Value value value value value values Relation to Practice Value Value value values values values Relation to Practice Value Value values value values values Relation to Practice Value Value values values values values Relation Value Value Value Value values values values Relation Value Value Value Values values values values values Relates values values values values values values values Relation Relation of unables values values values values values Relates values value
	3	P A D A M 1	1 2 3 4 5 6	Arthmetic Geometry Mensuration Patterns Time Commercial Application	12 13 14 15 16 2.1 2.1 3.1 3.2 3.3 3.4 4.1 4.2 4.3 4.4 5.1 5.1 5.2 6.1 6.1 7.2	Subtraction Subtraction Multiplication Division Fraction Geometry Mensuration Patterns Time Commercical Application History	Pace New subjection - Vision Multiplication and subscription Pace New subjection- Vision Multiplication and subscription Group counting. Times Tables of 2, 3, 4, 6, 10 Ubarama with 4 dight multiplication Multi-step New Properties of multiplication (Morey, length. Number problems) Introduction to Practice and State State State State Relationship between state State State State Relationship terms for State State State State State Relationship terms for State State State State State State Relationship terms for State Relationship terms for State Relationship terms for Relations for Relationship Relationship terms for Relations for Rel
	3	P A D A M 1	1 2 3 4 5 6 7	Arthmetic  Arthmetic  Geometry  Mensuration  Patterns  Time  Commercial Application  Bharitys Gantam	12 13 14 15 15 15 21 31 32 33 34 441 42 33 34 441 51 52 61 7.1 7.2	Subtraction Subtraction Multiplication Division Processor Geometry Mensuration Patterns Time Commentical Application History Bhudasankhys	Piece value addressform view data and view of the set o
	3	P A D A M 1	1 2 3 4 5 6 7	Arthmetic Ceconetry Mensuration Patterns Time Commercial Application Bharilys Gentem	12 13 14 15 16 21 21 21 21 21 21 21 21 33 33 34 44 42 43 44 42 43 44 51 51 52 61 7,3	Subtraction Subtraction Multiplication Division Fraction Geometry Geometry Mensuration Patterns Time Commercical Application History Bhudaarshtys Bhudaarshtys	Pace New subjection - Vision Multimum and Multimum Advisors Pace New subjection- Vision Multimum Advisors Group counting, Times Tables et 2, 3, 4, 6, 10 Ubarama with 4 dight multiplication Multi-step New Properties of multiplication (Morey, length, Number problems) Introduction to Practice and State State State State Relationship tests for Carlon and State State Relationship tests for Carlon and Division Divisibility Tests for Carlon and Division Division and Division Division Division and Division Division and Division Division Division and Division Division and Division Division Division and Division Division Division Division Division and Division Division
	3	P A D A M 1	1 2 3 4 5 6 7	Arthmetic Geometry Mensuration Patterns Time Commencial Application Bharitya Ganitam	12 13 13 14 15 2.1 2.1 2.1 3.1 3.2 3.3 3.4 4.1 4.2 4.3 4.4 5.2 6.1 7.1 7.2 7.3	Subtraction Subtraction Multiplication Division Processor Geometry Mensuration Patterns Time Commercial Application History Bhudasankhya Katapayadi	Piece value addressform of the section and substrates in Twinting Piece value addressform in the section and substrates in Twinting Corpus counting. Times Tables of 2, 3, 4, 5, 10. Ubstrates and with 4 digit multiplication Multi-step Piece list of counting of the section of the section. Note that the problem is used on address of the section of the section (Money, length, Number problems). Introduction to Fractions 12, 13, 14, Fractions as sharing Relationably business in the section of the section of the section business of the address of the section of the section business of the sections 12, 13, 14, Fractions as sharing Relationably business and the section section of the section business of the sections 12, 13, 14, Fractions as sharing Relationably business and the address in different address of the sections 12, 13, 14, Fractions as sharing Relationably business and the section business of the section business and the address to different address of the section section address of the section Based and the section address of the section Relates and the section business of the section Relates and the section based address of the section Relates and the section address of the section Relates and the section address of the section Relates address and the section Relates address and the section Relates address address of the section Relation Relates address address of the section Relates address address of the section Relates address address of the section Relation Relates address address of the section Relation Relates address address address of the section Relation Relates address address address of the section Relation Relation Relates address addre
	3	P A D A M 1	1 2 3 4 5 6 7	Arthmetic Geometry Mensuration Patterns Time Commerical Application Bharitya Gantam	12 13 13 14 15 16 2.1 2.1 2.1 3.1 3.2 3.3 3.4 4.1 4.2 4.3 4.4 5.1 5.1 5.1 5.1 7.1 7.1 7.3	Subtraction Subtraction Multiplication Division Friscoss Geometry Mensuration Patterns Patterns Time Commercical Application History Bhutasnkhyg Bhuta	Pade tear addrestor - Kore A Usersam eminuted ad Usersam Pade Tear addrestoring between address and address address Group counting. Times Tables of 2, 3, 4, 6, 10. Ubarama with 4 dight multiplication Multi-step Teak for the second secon
	3	P A D A M 1	1 2 3 4 5 6 7	Arthmetic Geometry Mensuration Patterns Time Commercial Application Bharitya Ganitam	12 13 14 15 15 15 2.1 2.1 3.1 3.2 3.3 3.4 4.1 4.2 3.3 3.4 4.1 5.2 6.1 7.2 7.3 1.1 7.2 7.3 1.1 7.2 7.3 1.1 7.2 7.3 1.1 7.2 7.3 1.1 7.2 7.3 1.1 7.2 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3	Subtraction Subtraction Multiplication Division Precision Geometry Geometry Mensuration Patterns Time CommercialAppyCation History Bhudasankhya Katapayadi Numeer System AddStorn	Pade value addression - Arrange - Colling and watering and the addression - Arrange - Address -
	3	P A D A M 1	1 2 3 4 5 6 7	Arthmetic Geometry Mensuration Patterns Time Commenical Application Bharitya Ganitam	12 13 14 14 15 15 16 2.1 2.1 3.1 3.2 3.3 3.4 4.1 4.2 4.3 3.3 3.4 4.1 5.2 7.3 7.2 7.3 7.2 7.3	Subtraction Subtraction Multiplication Division Fractions Geometry Geometry Mensuration Patterns Time Commentical Application History Bhutasankhya Kitapayaid Number System Addition	Pace New addresdro - Koren J. Ultrams, with without by Ultrams, with without by Ultrams, with without by Ultrams, with without by Ultrams, with a dight, Without by Ultrams, Without by Ultrams, Without by Ul

			1	Arithmetic	1.4	Multiplication	Group counting, Times Tables upto 10. Utsarana vdhi, Sthana gunaam, Pisoe value multiplication Observe Properties of multiplication Multi-step Real life problems using concepts of addition, subtraction, multiplication (Money, length, Number problems)				
					1.5	Division	Introduction to Division algorithms Relationship between multiplication and Division Divisibility Test or 2, 3, 4, 5, 6, 8, 10, 11 Eventodd and prime /composite numbers Discussion about operations with zero and concept of infinity				
					1.6	Fractions	Fractions as a/b (where a <b) -="" comparison="" denominator,<br="" fractions="" of="" same="" with="">Representation on number line</b)>				
					1.7	Decimals	When denominator is a power of 10, fraction can be represented as a decimal.				
		P A		Geometry	2.1		Akshetram				
			2		2.2	Geometry	Construct circles, Nets of Snapes like tetrahedron, pyramid, prism				
					2.3		Transformation of shapes - Rotation, Reflection, Translation, Dilation, Perspective				
	4	D A M 2			3.1		Unit conversions using multiplication or division (kg, km, litres, g, m, cm, inch, foot etc) Indian units of length (krosa, yojana) Factors for formal units of weight and volume, length - kilo, mega, giga, milli, centi, deci				
		_	3	Mensuration	3.2	Mensuration	Real life applications including 4 arithmetic operations in contexts of distance, time intervals, capacity, weight				
					3.3		Concept of perimeter and circumference - observation of transformations on the				
					3.4		Concept of measurement of angles				
					4.1		Bhadra Ganitam - Construct a 3x3 magic square				
$\mathbf{V}$			4	Patterns	4.2	Patterns	Number sequences with multiplication/division Patterns in Permutations of numbers with 4 digits				
					4.3		Patterns with shapes, musical notes, alphabets,				
.(			5	Time	5.1	Time	Formal units of time - Conversions 1. seconds, minutes, hours 2. days, weeks, months, years				
			6	Commerical Application	6.1	Commerical Application	Real life problems with arithmetic operations, Conversions of Rupees to paise and vice versa				
			7	Data & Statistics	7.1	Data & Statistics	Collection of Data, Creating datasets				
					8.1	History	Mangalasloka, Importance, Historical facts				
			8	Bharitya Ganitam	8.2	Bhutasankhya	Number to more full words to numbers				
		<b>O</b>			8.3	Katapayadi	Word problems using operations where numbers are given in Bhutasankhya and Katapayadi				
							Whole Numbers 0 to Huge numbers				
					1.1	Number System	Place values upto Parardham and further, Compare, Sort, Order				
				$\hat{\mathbf{Q}}$	1.2	Addition & Subtraction	Place value addition - Krama, Utkrama, with/without carryover Place value subtraction - Krama, Utkrama, with/without borrowing Relationship between addition and subtraction				
					1.3	Multiplication	Group counting, Times Tables upto 20. 6-digitX3-digit multiplication Observe Properties of multiplication Multi-step Real life problems using concepts of addition, subtraction, multiplication (Money, length, Number problems)				
			1	Arithmetic	1.4	Division	Introduction to Division algorithms, division after apavartana Relationship between multiplication and Division Application of divisibility Tests, prime numbers, Prime factorization, HCF, LCM Discussion about operations with zero and concept of infinity				
							- 4	1.5	Fractions	Fractions as alb (where a <b) -="" comparison="" denominator,<br="" fractions="" of="" same="" with="">Representation on number line, alb = a X 1/b Equivalent fractions, compare, sort, order fractions using equivalent fractions, Concepts of udvartana, apavartana</b)>	
		V K Y A M 1			1.6	Decimals	When denominator is a power of 10, fraction can be represented as a decimal. Convert decimals to fractions and vice versa Representation on number line				
					1.7	Ratio	Use ratio to relate two quantities, Unitary method, Rate				
					1.8	Percentage	Introduction to Percentages, Equivalence of division, fractions, decimals, ratio and percentage				
					2.1		Comparison of properties of different types of quadrilaterals Verify Akshetram for a quadrilateral				
	5		2	Geometry	2.2	Geometry	Interior Angles in triangles and quadrilaterals - extend to regular polygons - verify sum of interior angles using protractor				
			M 1	M	M				2.3		Compound shapes - 2 D, 3 D, Construct Regular Polygons, Construction of percendicular bisector, angle bisector
			3		3.1		Understand area with graph units, Area calculation using squares of graph units, area of regular shapes - square, rectangle,				
				Mensuration	3.2	Mensuration	Understand combination of transformations - rotation + reflection of standard shapes (friangle, rectangle, square) Transformation - Rotation, Reflection, Expansion, Dilation, Translation using coordinate plane				
			4	Patterns	4.1		Bhadra Ganitam - Magic Squares - 4 X 4 - Construction				
					4.2	Patterns	Number Sequences, Meru Prastara, Chandas chiti, Permutations of 6-digit numbers Patterns with shapes, music, alphabets				
			5	Time	5.1	Time	Reading and creating timetable				
			6	Commerical Application	6.1	Commerical Application	Commercial applications of arithmetic operations, ratio, unit rate, proportion,				
	1				71		Percentage etc are in the respective chapters Penceent a dataset - har chart nictorranh X-X plane, tabular form				
			-			Date 8 Otatistic	represent a databet - bar chart, pretograph, x-1 plane, tabular form				
			7	Data & Statistics	7.2	Data & Statistics	Identify metrics like maximum, minimum, average, deviation from average				
			7	Data & Statistics	7.2	Data & Statistics History	Identify metrics like maximum, minimum, average, deviation from average Mangalasloka, Importance, Historical facts				
			7	Data & Statistics Bharitya Ganitam	7.2 8.1 8.2	Data & Statistics History Bhutasankhya	Reproducting datasets and contributions of proceedings of the proceedi				

			1	1		1.1	Number System	Revision of what a fraction is, Fraction as a part of whole, Representation of fractions (sicionity) and on number line, fractions at sicionities, proper- improper A mixed fractions, equivalent fractions, comparison of fractions, Decimal representation of fractions Decimal representation of fractions Revisions, efforts, where any encodes of negative numbers, connections to daily life, ordering of negative numbers, representation of negative numbers on number line. Students to see patterns, decimity and formulate rules. What are integers, identification of integers on the number line (addition and subtraction of integers rules of the number) (addition of negative numbers, content of negative line (addition of negative line) and content of the number line (addition of negative line) and content of the number line (addition of negative line) and content of numbers. Since integers is not a set of the number line (addition of negative line) and content of negative line (addition of negative line) and content of numbers line (addition of negative line) and content of numbers line (addition of negative line) and the number line (addit						
					1	1	1 Arithmetic	1.2	Arithmetic Operations with whole numbers, Fractions, Integers, Decimals	Estimates suns, differences, products and quotients and verifies using approximation. Addition and subtraction of fractions (Avcid large and complicated unnecessary tasks). (Moring bravition adstraction in fractions) Word problems involving addition and subtraction of decimal (endoced together on more, mass, length and temperature) Review of the idea of a decimal fractions (pole value in the context of decimal fraction, inter convenion of fractions and decimal fractions (only terminating decimals at ins stage). Uses informal and standard division algorithms. Mantees and factors and velashibit neares and				
Y	6	V A K Y			1.3 1.4	Factors & Multiples	Boundary and racios, why devolution to the work.     Divisibility tests for Co-prime numbers, prime factorisation.         -HCF and LCM.         - Embedded in proper contexts and applications     BODMAS, Squares, Cubes, Introduction to exponent notations							
J		A M 2 S	2	Algebra	2.1 2.2 2.3	Algebra	Apprications of vatilo, Proportion, Percentages in the context of commercial applications Introduction to Algebra, Variables, Coefficients, Constants, Order/Degree Justify the need for Algebra Algebras Equations with one variable (1st order)							
			S	S		S	S	S	3	Geometry	2.4 3.1	Geometry	Relate Antimetic and Algebra Properties of Lines and Angebra Bandhayana Suba Broeren (Pythagoras). Properties of parailel lines, angles, when a transversal is drawn across parailel lines. Construction and Definition of Medians, Altitudes, Angle Bisectors, Perpendicular Bisectors in a triangle	
			4	Mensuration	4.1 4.2	Mensuration	Construction of triangles Relate Squares with Area calculations and as a unit Perimeter, Area concepts - Square, Rectangle, Triangle Circumference of a circle Surface area using nate of calcide							
					51	Bhadra Ganitam	Magic squares (3x3) - Formation of a magic square with a given sum							
					5.2	Arithmetic Progressions	Arithmetic Series, Find the nth term, Sum of n terms							
			5	Patterns	5.3	Patterns	Number Patterns, Alphabets, Music, Shapes Patterns - Find the number of a given missing pattern, find the nth pattern, - Permutations taking 6 items at a time							
			6	Commerical Application	6.1	Commerical Application	Unitary Cost, Simple Interest, Sale Purchase etc as a part of applications of Ratio, Proportions, Percentage							
			7	Data & Statistics	7.1	Data & Statistics	Data - Identify, Collect, Organize, Represent							
			8		8.1	History	Mangalasloka, Importance, Historical facts							
				Bharitya Ganitam	8.2	Bhutasankhya Katapayadi	References in Treatises, Learn bhutasankhya for huge numbers, Number to words, words to numbers References in Treatises, Huge Numbers to meaningful words, words to numbers Word prohibers using operations where numbers are given in Rhutasankhya							
				·			and Katapayadi							
				Arithmetic	1.1	Number System	Rational Numbers - Compare, Sort, Order, Number Line Convert between different representations Exponents & Scientific Notation							
					1.2		Addition & Subtraction of Rational Numbers Multiplication & Division of integers, fractions, decimal numbers, rational numbers							
					1.3		More contexts with HCF & LCM BODMAS, PEMDAS Squares, Square Roots, Cubes, Cube Roots, Laws of Exponents with whole							
					1.4		number powers							
			2									2.1		Protect of AppLication of Paulo, Propositions, Percentage in Contexts of Simple Interest, Sale, Purchase, Barter, Compound Interest, Tax etc Algebraic expressions with >2 variables, maximum order of each term is 4 Order of each term of an expression, degree, variables and constants, coefficients,
				Algebra	2.2	Algebra	Bite terms and unlike terms           Polynomials, Monomial, Tinomial           Addition 5 Subtractions of like terms           Multiplication with constant - 6 g, If A, B are 2 expressions, evoluate 2A+38 Microsoft of constant of variable B+6 tr, A, 7(6 A)           Expanse of constant of a variable B+6 tr, A, for A / Square of lingible variables - sq(fr) - 36x <sup>2</sup> Cube of solar solarities - sq(fr) - 36x <sup>2</sup>							
							Use variables to represent quantities in a real-world or mathematical problem,							
		K A N D A M 1		Committee .	2.3	Commutes.	variables Constructions - Squares, Triangles							
	7		3	Georhetry	a.1	Geometry	Congruence of Triangles, Perimeter sums expressed as linear equations in one verticities							
	-		4	Mensuration	4.1	Mensuration	Hermeter sumt explosed as invel equilations in one variable - transformations of shares with same perimeter. If not the regitivatious etc Formuta for area of parallelogram, montos and trangle, trapezium, circle Sover east-word are antibiomotical proteins involving area and surface area of two- and three-dimensional objects composed of trangles, quadrialiteratis, polygons, cubes, and right prisms. How Perimeter and Area changes when shapes are transformed (Doubled measures, shape changes etc).							
			5	Patterns	5.1	Patterns	Bloda Gartian revision of APs with necessing number of terms Patterns with Numbers, Music, Shapes, Apinateste etc - Lagakray Pratyayam & Adrvabilap Pratyayam Number of possible combinations with a given set of digits and digit sum Significance of permutations Significance of permutations							

			6	Data & Statistics	6.1	Data & Statistics	Data - Represent, Metrics, Analysis Dataset representation using pie charts, bar graphs Relate Probability with batasets Standard Deviation, Measures of Center and Variances to compare two different dataset distributions
					7.1	History	Mangalasloka, Importance, Historical facts
			7		7.2	Bhutasankhya	Representing numbers with a given maximum syllables, examples from treatises More exercises on word-to-number Number-to-word exercises to be kept minimal and simple
					7.3	Katapayadi	Representing numbers with a given maximum syllables, examples from treatises More exercises on word-to-number Number-to-word exercises to be kept minimal and simple Aryabhatiya numbers. Examples of large numbers from treatises and exercises
							Overslate all examines (includes DODUAD, Example) with Deliveral
			1	Arithmetic	1.1	Number System	Compare an operations (including BODINAS, Exponents) with realional numbers (Integer exponents only) in real life contexts Scientific notation, Relate Divison, Fractions, percentage, ratio, decimal with each other and convert between them Sources, Source medic, Cube, Cube Boote, Exclore formula for all not
					1.2		Explore irrational numbers and differentiate from rational numbers after learning Sqrt and Cbrt of 2,3, etc
			2	Algebra	2.1	Algebra	Multiplication of algebraic expressions Standard Identities and formulas and their applications Division of algebraic expressions Revisit Laws of exponents from algebra point of view
					2.2		Applications of linear equations in a single variable to Real life contexts - graphical solutions, solving an equation for an unknown
~			3	Geometry	3.1	Geometry	Travel along a circle in the polar coordinate graph paper, observe the lengths of chapa jay and khanda jay & their directions (tight-side vs left-side of the origin and above and below the origin) - with the angle increased in steps of 5 deg or 10 deg from 10 360 deg Introduces sine and cosine functions
	٦.				3.2		Area preserving transformation - Circle, Square, Semicircle, triangle
					4.1		Understand congruence and similarity - Verify, properties - characteristics and
		к	Sx,		4.1		proofs Apply the Pythagorean Theorem to determine unknown side lengths in right
	8	A D A M 2		Mensuration	4.2	Mensuration	triangles in rela-world and mathematical problems in two and three dimensions. Apply the Pythagorean Theorem Ib forth the distance between two points in a coordinate system. A rea of a triangle in terms of its sides SA of Regular 3D objects - sphere. cylinder, core. = Formula Wolume preserving transformation - e.g. A cobe. a sphere emin Notume preserving transformation - e.g. A cobe. a sphere and a latrahedron having the same volume.
			5	Patterns	5.1	Pattern	Geometric progression (GP) - (i) finding the nth term (ii) sum of n terms Sum of GPs with increasing number of terms Patterns with Aksharas, Music, Shapes etc Uddshta & Nashta from Sangitaratnakara
			6	Data & Statistics	6.1	Data & Statistics	Analysis of data - message aprilators of association in kiveriate data. Construct registration of association between two quantities. Describe patterns of association between two quantities. Describe patterns and a clustering coulders, positive or registre association. Arriving at an approximate mathematical inflationing between the constituent variated or a given data set thema a curve or line to a given data points measurement data, integrating the slope and intercept.
					7.1	History	Mangalasloka, Importance, Historical facts
			7	Bharitya Ganitam	7.2	Bhutasankhya	Representing numbers in a given meter (vrtta), examples from treatises Only exercises on word-to-number to help the students appreciate
			,	bilanya Gantan	7.3	Katapayadi	Representing numbers in a given meter (vrtta), examples from treatises Only exercises on word-to-number to help the students appreciate Aryabhatiya numbers: Examples of large numbers from treatises and exercises
						41	3















