



# MATHEMATICS TEACHING - RESOURCES - REFERENCE BOOKS

In any successful teaching learning process, different resources place vital role. Here is a wrong conception that resources means, the material which is used at the time of teaching learning process only. To make the children comprehend the mathematical concepts, teacher as to prepare himself before the teaching learning process. In teaching or learning beyond the text book, different resources are needed. So, teacher has to search for new resources, and access to children, and make the children use in their learning process, which can give support their learning.

Teacher should not limit to teach what is in the text book. For more comprehension, extensive learning we need different resources like Maths kit, digital resources, internet, websites, different institutions / organizations, reference books etc.

Teacher can use them in their classes if they fit into their lesson plan the following list gives a rough idea of the range of different resources available in internet.

The resources have been grouped into a few (loose) categories for facilitate easy navigation.

## Websites

### General

The mathforum@Drexel University (<http://www.mathforum.org>)

The Centre for Innovation in Mathematics Teaching (CIMT) (<http://www.cimt.plymouth.ac.uk>)

Math cats - Fun math for kids (<http://www.mathcats.com>), count on (<http://www.counton.org>)

1. Illuminations - Resources for teaching maths (<http://illuminations.nctm.org>) Interactive (<http://www.shodor.org/interactivate>)

Gadsen Mathematics Initiative (<http://www.2.gisd.k12.nm.us/GMIWebsite/ImathResources.html>)

2. Mathematical Interactivities - Puzzles, games and other online educational resources (<http://mathematics.hellam.net>)

3. National Library of Virtual Manipulatives (<http://nlvm.usu.edu/en/nav/vlibrary.html>)

4. Mathnet - Interactive mathematics in education (<http://www.mathsnetnet>)

NewZeaJand maths (<http://www.nzmaths.co.nz>)

The Mactutor History of Mathematics archive (<http://www.history.mcs.st-and.ac.uk/history>)

Math cartons (<http://www.trottermath.net/humor/cartoons.html>)

Math Com is (<http://home.adelphi.edu/~stemkoski/mathematrix/comics.html>)

Mathematical quotation server (<http://math.furman.edu/~mwoodard/mQs/mQuotes.html>)

Wolfram Mathworld - The web's most extensive mathematical resource (<http://mathworld.wolfram.com>)

Optical illusions and visual phenomena (<http://www.michaelbach.de/ot>)

Optical illusions gallery (<http://www.unoriginal.co.uk/optical5.html>)

Teachers resources online (<http://www.cleavebooks.co.uk/trol/index.html>)

Interactive: Activities (<http://www.shodor.org/interactive/activities/#fun>)

Maths articles (<http://www.mathgoodies.com/articles>)

Math words and some other words of interest (<http://www.pballew.net/etvindex.html>)

Portraits of scientists and mathematicians

([http://www.sil.si.edu/digitalcollections/hst/scientific-identity/CF/display\\_results.cfm?alpha sort=R](http://www.sil.si.edu/digitalcollections/hst/scientific-identity/CF/display_results.cfm?alpha%20sort=R))

Let  $\epsilon < 0$  (<http://epsilon.komplexiv.com>)

Grand illusion (<http://www.grand-illusions.com>)

Portrait gallery - Mathematicians (<http://mathdl.maa.org/mathDL/46?pa=content&sa=view>

Document&nodeid=2437&bodyid=2241

Maths teaching ideas (<http://www.teachingideas.co.uk/maths/contents.html>)

### E-books

Illustrated maths formulas - salim (<http://www.arvindguptatoys.com/arvindguptalmathformulas.pdf>)

Ramanujan - the man behind the mathematician Sundaresan and Padmavijayam (<http://gyanpedia.in/tft/Resources/books/ramanuian.doc>)

A mathematician's apology - G.H.Hardy (<http://math.boisestate.edu/~holesm/holmes/A%20Mathematician%27s%20Apology.pdt>)

Puzzle maths - G.Gamov and stem (<http://www.arvindguptatoys.com/arvindguptalpuzzlemath.pdf>)

1000 uses of a hundred square - Leah Mildred Beardsley (<http://www.mediafire.com/download.php?detnoirueie>)

Geometry comic book - Jeane Pierre Petit (<http://www.mediafire.com?udOnnnuizyy>)

Elements - Euclid (<http://www.mediafire.com?udOnnnuizyy>)

How children learn mathematics (<http://gyanpedia.in/tft/Resources/books/mathsliebeck.pdt>)

Suggested experiments in school mathematics - J.N.Kapur (<http://www.arvindguptatoys.com/arvindguptalinkapur.pdt>)

Primary resources - Maths (<http://www.primaryresources.co.uk/maths/maths.html>)

Proteacher! Maths lesson plans for elementary school teaches (<http://www.proteacher.com/100000.html>)

Maths activities (<http://www.trottermath.net/contents.html>)

Maths powerpoints (<http://www.worldofteaching.com/mathspowerpoints.html>)

Maths is fun - maths resources (<http://www.mathsisfun.com>)

Middle school portal for maths and science teachers (<http://www.msteacher.org/math>)

Maths games, maths puzzles and maths lessons designed for kids and fun (<http://www.coolmath4kids.com>)

### Numbers

Magic, squares, magic stars & other patterns (<http://recmath.org/Magic%20squares>)

Number recreations (<http://www.shyamsundergupta.com>)

Broken calculator - Maths investigation (<http://www.woodlands-iunior.kent.sch.uk/mahts/broken-calculator/index.html>)

Calculator chaos (<http://www.mathpalyground.com/CalculatorChaos.html>)

Primary school numeracy (<http://durham.schooliotter.com/coxhoe/Curriculum+LinksINumeracy>)

Quarks to Quasars, powers of 10 (<http://www.wordwizz.com/pwrsof10.html>)

### Algebra

Algebra puzzle (<http://www.mathpiayground.com/AlgebraPuzzle.html>)

Algebra tiles (<http://mathbits.com/MathBits/AlgebraTiles/AlgebraTiles/MathBits07ImpFree.html>)  
(<http://mathbits.com/MathBits/AlgebraTiles/AlgebraTiles/MathBits071mpFree.html>)

Geometry (<http://www.cvvfredin.co.uk>)

The Fractory : An interactive tool for creating and exploring fractals (<http://librarv.thinkquestorg/3288/fractals.html>)

Tessellate (<http://www.shodor.org/interactivate/activities/Tessellate> )

MathSphere-Free graph paper (<http://www.mathsphere.co.uk/resources/MathSphereFreeGraphPaper.html>)

Paper models of polyhedral (<http://www.korthalsaltes.com>)

### Problem solving

Mathpuzzle (<http://www.mathpuzzle.com>)

Puzzling world of polyhedral dissections (<http://www.iohnrausch.com/PuzzlingWorld?contents.html>)

Interactive mathematics miscellany and Puzzles (<http://www.cut-the-knotorg>)

Puzzles and projects (<http://www.delphiforfun.org/Programs/Indices/projectsIndex.html>)

10ticks daily puzzle page (<http://www.IOticks.co.uk/s/dailyPuzzle.aspx>)

Archimedes laboratory - teachers' resource: Improve problem solving skills (<http://www.archimedes-lab.org/indexteachers.html>) Brain teasers (<http://www.pedagonetcomfbrain/brainers.html>)

Gymnasium for Brain (<http://www.gymnasiumforbrain.com>)

Puzzles and games ([www.thinks.com](http://www.thinks.com))

### Miscellaneous

Mathematical imagery (<http://www.ioslevs.com>)

### రిఫరెన్సు పుస్తకాలు :

1. Introduction to Geometric Constructions (by Ramesh Krishnamurthi)
2. 59 mathematical ideas (by Tony Willy)
3. Sacred Geometry (by Thames & Hudson)
4. Mathematics for all (by UNESCO)
5. 536 Puzzles & curious problems (by Henry Ernest Dudemy)
6. A problem solving approach through generalising a specializing (by Rina Zazkis, Simon Fraser University)
7. Challenging problems in Geometry (by Alfred Posamentier, Charles T. Salkind)
8. Sources of mathematical discovery
9. Hindu Geometry (by Bibhutibhusan Datta and Avadhesh Narayan Singh)
10. An introduction to contemporary mathematics (by John Hutchinson)

11. Graphs and their uses (by Oystein Ore, Yale University)
12. A passion for mathematics (by Clifford A. Pickover)
13. Algebra with Arithmetic and Mensuration (From the SANSCRIT) (or Brahme Gupta and Bhascara) (translated by Henry Thomas Colebrooke)
14. The Aryabhattachiya of Aryabhata (translated by Waltger Eugene Clark)
15. Euclid's Elements of Geometry (translation by Richard Fitzpatrick)
16. Geometry and the imagination (by D. Hilbert, Schon - Vossen)
17. Patterns of plausible inference (by G. Polya)
18. A History of Mathematical Notations (by Florian Cajori, California)
19. Integrated Algebra-1 (by Annxavier Gantert)
20. The Fundamental theorem of Arithmetic (by Mir Publishers, Moscow)
21. Mathematical reasoning writing and proof (by Ted Sundstrom)
22. Mathematical problems and puzzles (by S. Straszewicz)
23. Dictionary of Mathematics (Oxford)
24. How to solve it ? (by G. Polya)
25. Q.E.D. (Beauty in Mathematical proof by Polstar)
26. Mysteries of the equilateral triangle (by Brian J. Mc Cartin)
27. The contest problem book VIII (by J. Douglas Faires and David Wells)
28. Introduction to the Foundations of Mathematics (by Raymond L. Wilden)
29. The Universal Book of Mathematics (by David Darling)
30. The Nothing that is (A natural history of zero) (by Robert Kaptan)
31. Magazines related to Mathematics
32. University Press Dictionary of Mathematics - John DE Clark
33. Short stories about numbers - Rajneesh Kumar
34. A primer on number sequences - Shilesh Sherali
35. Maths Charmers - Alfred S. Posamentier
36. Mathematics Maxwells First Steps in number theory a primer on divisability - Shilesh Shirali
37. Themescow Puzzles - 359 Mathematical Recreations - Bories A. Kordemsky
38. A biography of the world's most mysterious number - Alfred S. Posamentier

## Erata

Sl. No.	Name of the chapter	Page No.	Para No.	Existing version	Corrected version
1.	Instructions to student	Cover page backside	4th point	with out	without (No space)
2.	Instructions to student	Cover page backside	6th point	"Think discuss and write"	"Think, discuss and write" (, after Think)
3.	Instructions to student	Cover page backside	7th point	Sub topics are <u>r</u> elated	Sub-topics are related ("-" and "space")
4. 5.	Instructions to student	Cover page backside	8th point	(1) given in in the (2) you can do <u>this</u> in	(1) given in the (2) you can do <u>these</u> ("in" single time only)
6.	Instructions to student	Cover page backside	9th point	Provided in <u>tables, try these</u> exercises	tables. Try to solve these
7.	Instructions to student	Cover page backside	10th point	<u>Donot post phone</u>	Don't postpone (No space)
8.	Instructions to student	Cover page backside	12th point	For recreation collect some more	Collect some more for recreation
9.	Instructions to student	Cover page backside	17th point	Stock market <u>etc, you</u>	etc. you
10.	Preface	(v) initial page	1	Completed <u>the</u> three years of	Completed three years of
11.	Preface	(v) initial page	1	el <u>i</u> mentary	elementary
12.	Real Numbers	1	2	bigger collection than integers	bigger collection than that of integers
13.	Real Numbers	4		<u>TRY This</u>	Do This
14.	Real Numbers	6	last line of page	Now (i) ... = $\frac{-3}{2^3} = \frac{3}{8}$	$\left(\frac{3}{8}\right)$ delete
15.	Real Numbers	7	(ii)	1.04 = ... = $\frac{26}{5^2} = \frac{26}{25}$	$\left(\frac{26}{25}\right)$ delete
16.	Real Numbers	7	(v)	0.00025 = ... = $\frac{1}{4000}$	$\left(\frac{1}{4000}\right)$ delete

Sl. No.	Name of the chapter	Page No.	Para No.	Existing version	Corrected version
17.	Real Numbers	7	3	Let us conclude : ... you see that any <u>rational number</u> which has.....	real number
18.	Real Numbers	15	TRY	...., use your <u>new</u> knowledge	"new" delete (...use your knowledge)
19.	Real Numbers	15	1.5 last para	...we are going to learn <u>about</u> logarithms....	"about" delete ..... learn logarithms
20.	Real Numbers	16	TRY THIS	(i) Find $16 \times 64$ ..... (ii) Find $25 \times 25$ .....	(i) Find $16 \times 24$ (ii) /fubd $25 \times 25$ (multiplication sign)
21.	Sets	25	2.1	Observe the <u>examples</u> given below	Observe the following.
22.	Sets	25	2.1 (1)	Euclid.... Aryabhata, Bhaskar	Euclid.... Aryabhata, Bhaskaracharya
23.	Sets	25	2.1 (3)	Happy... joyful, <u>confused</u>	(confused) delete
24.	Sets	25	Para 1	What do you observe? .... mathematicians <u>For</u> ..... of vowel <u>letters</u> in the English	...mathematicians, example 2 ..... Vowels in the English
25.	Sets	25	Para 2	... It was developed by <u>George</u> contor ....., we will learn about sets	"George contor" ....., we will "learn sets ("about" delete)
26.	Sets	26	DO THIS	(ii) Red, blue, green, <u>yellow</u> , <u>black</u>	(ii) Red, blue, green ("yellow", "black" delete)
27.	Sets	26	TRY THIS	(iii) ..... integers 1, 3, 5, ....	(iii) ..... integers. (1, 3, 5, ..... ) delete
28.	Sets	27	under para (1)	(ii) $B = \{\text{Square, ... parallelogram}\}$	The elements of B are square, rectangle, rhombus, parallelogram etc.
29.	Sets	27	4	....'belongs to', So $I \in N$ <u>means that</u> ..... $O \notin N$ <u>means that</u> .....	So $I \in N$ read as that ..... .... $O \notin N$ read as that ....
30.	Sets	27	5	....., we have the set of all vowel <u>letters</u> in the English..	.... Vowels in the English ....
31.	Sets	27	under 5 (ii)	$V = \{x : x \text{ is a Vowel letter in English...}\}$	$V = \{x : x \text{ is a vowel in the English alphabet}\}$

Sl. No.	Name of the chapter	Page No.	Para No.	Existing version	Corrected version
32.	Sets	29	Exercise 2.1	3 (iii) .... <u>Natural</u> numbers N	..... natural numbers N
33.	Progressions	127	5 History	Among the Indian mathematician Aryabhata (470 AD)	Aryabhata
34.	Progressions	128	8	In all the lists... <u>terms</u> are ... preceding <u>terms</u>	..... term ..... term..... (s) delete
35.	Progressions	128 6.2.1	2	This fixed ..... ..... negative (or zero)	(or zero) delete
36.	Progressions	131	Do this	(4) Multiply and divide	multiply and also divide
37.	Progressions	156	optional exercise	(2) The sum of ..... ..... is 8 find the ..... ..... AP ?	If the sum ..... is 8 then find the ..... A.P.
38.	Progressions	156	Optional exercise	(4) The houses..... sum of the numbers of the houses preceding the house.....	preceding
39.	Progressions	157	6	150 workers <u>were</u> engaged ..... which the was and completed	.....were..... which the work was completed.
40.	Coordinate geometry	160	Do this	(i) ..... (-4, 0), (2, 0) (6, 0) (-8, 0)	..... (-4, 0), (2, 0), (6, 0) and (-8, 0)
41.	Coordinate geometry	161	Try this	(i) where..... (0, -3), (0, -8), (0, 6), (0, 4)	1. Where..... (0, -3), (-0, -8), (0, 6) and (0, 4)
42.	Coordinate geometry	164	Do this	Find the ..... <u>pairs</u> of points	..... pair of points
43.	Coordinate geometry	164	Try this	Find ..... rounded to are decimal	rounded to two decimal.
44.	Coordinate geometry	173	Try this	The points (2, 3), (x, y), (3, -2) ..... is again find (x, y)	The points (2, 3), (x, y) (3, -2) are..... is again then find (x, y)
45.	Coordinate geometry	177	Exercise 7.2	Find the co-ordinates..... ..... which divides the join - (-1, 7) ..... ..... 2 : 3.	..... which divides the line segment joining the points
46.	Coordinate geometry	181	Try This	Find ..... taken in order <u>are</u> as vertices	..... taken in order as vertices. (are delete)



Sl. No.	Name of the chapter	Page No.	Para No.	Existing version	Corrected version
47.	Coordinate geometry	184	Last lines	Meena : I have done <u>case</u> like this <u>case</u>	(case) delete
48.	Coordinate geometry	188	Ex : 22	..... a <u>line</u> are ..... <u>line</u> ..... <u>line</u>	line segment
49.	Coordinate geometry	189	Ex : 22	slope ..... <u>line</u> is 1	line segment
50.	Mathematical modeling	353	last page	Mathematical..... paint is neede to <u>whitewash</u> a room.....	Mathematical ..... paint is needed to painting a room.....
51.	Mathematical modeling	354		(i) $\text{speed}(s) = \frac{\text{Dis tan ce } (d)}{\text{time } (t)}$	(i) $\text{Speed } (s) = \frac{\text{distance } (d)}{\text{time } (t)}$
52.	Mathematical modeling	354		(ii) Where P = Principle	P = Principal
53.	Mathematical modeling	355		$I = \frac{PTR}{100}$ (Model) where P = Principle	P = Principal
54.	Trigonometry	275	Try This	What will be the <u>ratios</u> of sides .....	ratio
55.	Trigonometry	281	Try This	Find the <u>ratios</u> for $\tan 90^\circ$ , $\text{cosec } 90^\circ$ , $\sec 90^\circ$ , $\sec 90^\circ$ and $\cot 90^\circ$	Find the values for $\tan 90^\circ$ ....
56.	Application of Trigonometry	303	Ex : 12.2	Problem (10)	interchange (replaced) by problem (2) from optional exercise.
57.	Application of Trigonometry	303	Ex : 12.2	Problem (10)	<b>Correction:</b> Chinky observes a town PO of height 'h' from a point A on the ground. She moves a distance 'd' towards the foot of the tower and finds the angle of elevation doubled with the initial angle. When she moved further a distance of $\frac{3d}{4}$ the angle of elevation tripled. Then prove that $36h^2 = 35d^2$
58.	Trigonometry	277	Ex: 11.01	(2) problem Tan Q - Tan R	Tan P - Tan R

Sl. No.	Name of the chapter	Page No.	Para No.	Existing version	Corrected version
1.	8	191	1	ask	asks
2.			2	the same shape but their.....	the same shape, their..... (delete 'but')
3.			3	distances of far-away, objects .....	far-away objects (delete ,)
4.		192	1	No, they have same shape, yet they .....	No, though they have same shape, they do .....
5.			2	think what ..... ..... film (negative)?	what does a photographer do when ..... film (negative)?
6.			3	two polygons of ..... ..... are similar.	two polygons <u>with</u> the same number of sides <u>are said to be</u> similar.
7.			6	But ..... similar.	But all the circles are similar as they have same shape
8.		193	4	<u>symbotically</u>	symbolically
9.	8	193	5	For similarity of polygons only .....	For the two polygons to be similar, only.....
10.		194	1 (.2)	Write <u>the</u> true .....	Write true.....
11.		194	8.3	In the example ..... similarity.	Given below are the two triangles which show the property of similarity.
12.		195	3	Take any ruled..... on <u>that</u> ..... with base .....lines.	Take ..... on it with <u>one of the lines</u> as the base.
13.		205	8.4	If in two ..... the sides .....	In two triangles, if the sides .....
14.		207	1	relation <u>is</u> symbolic	<u>in</u> symbolic form.
15.	8	209	Eg : 7	Gopal ..... living room from ..... top floor <u>window</u> .	Gopal ..... living room <u>through the window</u> from ..... top floor.
16.	8	211	8.5	<u>raotio</u> (spelling)	<u>ratios</u>
17.	8	214	8.6	You are ..... theorem, you had .....	.....theorem, <u>as</u> you.....
18.	8	216	8.9	<u>Pythagores</u> (spelling)	<u>Pythagoras</u>
19.		217	Eg : 11	<u>Pythogorous</u>	<u>Pythogoras</u>

Sl. No.	Name of the chapter	Page No.	Para No.	Existing version	Corrected version
20.		217	Eg : 12	<u>Pythagores</u>	<u>Pythogoras</u>
21.		222	3	<u>occur</u>	<u>occurs</u>
22.		222	3	wrong assumption..... true.	assumption that the negation of the statement as true.
23.		223	Pt 5	<u>Leoves</u>	<u>leaves</u>
24.		224	Pt 5	Flies <u>due</u> north .....	Flies <u>towards</u> north .....
25.	9	226	9.2 Acti	<u>rotate</u>	rotates
26.		228	9.2.1	...what we just <u>found the</u> tangent .....	found <u>i.e</u> the .....
27.		233	statement	<u>such that</u>	Delete ' <u>such that</u> '
28.		237	9.4	Pink and blue paper	Pink and blue papers
29.		237	9.4	A rectangle is there, <u>but</u> .....	one part is a rectangle. What is the .....
30.		237	9.4 (box)	be broken into ..... easily	be split into for which we can .....
31.	10	245	2	storage water tanks ..... placed on.....	cylindrical storage water tanks placed on .....
32.		245	2	cricket bat <u>has</u>	cricket bat <u>with</u>
33.		246	1	Of these ..... area and volume.	you have learnt how to find the surface area and volume of football like things.
34.		246	1	So, their surface ..... find	So, we shall now learn how to find out the surface are and volume of other objects.
35.		251	10.2 (II)	We can ..... wooden things .....	In our real life, we can also observe things like wooden objects, house .....
36.	10	262	1	the <u>molton</u>	the <u>moltan</u>
37.		262	box	shown <u>n</u> the	shown <u>in</u> the
38.	12	303	5	convering	covering
39.		304	1	[This exercise <u>his</u> .....]	[This exercise <u>is</u> .....]
40.	13	305	2	words <u>the</u> like 'probably',	words like 'probably', (del 'the')
41.		308, 309, 310		<u>dic</u> (spelling)	dice

Sl. No.	Name of the chapter	Page No.	Para No.	Existing version	Corrected version
		311 312 321		<u>dic</u> (spelling)	dice
42.		364 316	5(ii)	<u>a</u> diamonds (Del 'a')	diamonds
43.	13	316	13.7	some <u>example</u>	some <u>examples</u>
44.	13	316	13.7	we have ..... probability	we have discussed about the use of probability in certain situations.
45.	13	316	13.7	Thinkabout ..... these.	Let us now think ..... these situations.
46.	14	327	.2 box	when <u>it is</u> .....	When <u>is it</u> .....
47.		327	2	what <u>is</u> about ..... (del 'is')	what about.....
48.		330	1	so, ..... <u>are</u> 62	so, ..... <u>is</u> 62.
49.		333	2 (4p)	Thirty women ..... their <u>of</u> heart beats (del 'of')	Thirty women..... their heart beats .....
50.		334	box 3pt	Does the mode change .... if ..... example ?	<u>will</u> the mode change, <u>if</u> ..... in <u>the</u> example?
51.		336	2	while on an average <u>a</u> student .....	..... <u>each</u> student .....
52.		341	4	<u>clases</u> (spelling)	<u>classes</u>
53.		342	1	<u>clases</u> (spelling)	<u>classes</u>
54.		345	3	<u>extreem</u> (spelling)	<u>extreme</u>
55.		345	3	<u>extreem</u> values <u>and</u> we.....	values, we wish .....
56.		345	3	observation, the median.....	observation, where the median .....
57.		346	1	In situations <u>which require</u> establishing	In situations <u>like</u> establishing
58.		352	6 pt	while <u>drowing</u> (spelling)	while <u>drawing</u>
59.		352	7 pt	<u>Mya</u> (special)	<u>May</u>
60.		354	1.2	similarly..... formula	similarly to find simple interest, we use the formula.
61.		354	1.2 (ii)	In compound.....	To find compound interest,
62.		356	Eg : 2	Each vehicle can <u>hold</u>	<u>carry</u>

<b>Sl. No.</b>	<b>Name of the chapter</b>	<b>Page No.</b>	<b>Para No.</b>	<b>Existing version</b>	<b>Corrected version</b>
1.	Inside cover	-	1	relation with	relation to
2.	Inside cover	-	3	Problems (u.c)	problems (l.c)
3.	Inside cover	-	4	some (l.c)	Some (u.c)
4.	Inside cover	-	4	with out	without
5.	Inside cover	-	3	Do this (l.c)	Do This (u.c)
6.	Inside cover	-	4	Try these (l.c)	Try These (u.c)
7.	Inside cover	-	5	this (l.c)	This (u.c)
8.	Inside cover	-	5	these (l.c)	These (u.c)
9.	Inside cover	-	5	to solve	to be solved
10.	Inside cover	-	7	arerelated	are related
11.	Inside cover	-	7	you try	Try
12.	Inside cover	-	7	and	or
13.	Inside cover	-	9	in in	in
14.	Inside cover	-	8	guidance with the teacher	under the guidance of the teacher
15.	Inside cover	-	8	you (l.c)	You (u.c)
16.	Inside cover	-	6	Think discuss and write	think - Discuss
17.	Inside cover	-	9	tables, try	tables. Try
18.	Inside cover	-	9	fill it	fill them
19.	Inside cover	-	9	text book	textbook
20.	Inside cover	-	10	Donot	Do not
21.	Inside cover	-	12	Games, Puzzles	Games and puzzles
22.	Inside cover	-	12	textbooks	textbook
23.	Inside cover	-	10	post pone	postpone
24.	Inside cover	-	13	out side	outside
25.	Inside cover	-	14	text book	textbook
26.	Inside cover	-	15	Forums (u.c)	forums (l.c)

<b>Sl. No.</b>	<b>Name of the chapter</b>	<b>Page No.</b>	<b>Para No.</b>	<b>Existing version</b>	<b>Corrected version</b>
27.	Inside cover	-	16	Talent (u.c)	talent (l.c)
28.	Inside cover	-	16	on par with	on a par with
29.	Inside cover	-	17	modelling Agriculture	Modelling agriculture
31.	Inside cover	-	17	Stock (u.c)	stock (l.c)
32.		-	17	markets etc.	markets, etc.
33.		(i)	-	Text Book	Textbook
34.		(ii)	-	Book	book
35.		(iii)	-	Text Book	Textbook
36.		(iv)	1	potential	potentiality
37.		(iv)	2	High	higher
38.		(iv)	3	learn to enjoy	enjoy to learn
39.		(iv)	3	text book	textbook
40.		(iv)	4	class room	classroom
41.	Foreword	(iv)	5	mathematics teaching	teaching mathematics
42.	Foreword	(iv)	5	text books	textbooks
43.	Foreword	(iv)	6	for Education	of Educational
44.	Foreword	(iv)	6	Training	Training,
45.	Foreword	(iv)	6	text book	textbook
46.	Preface	(v)	1	Mathematics book	book of Mathematics
47.	Preface	(v)	1	Mathematics learning	learning Mathematics
48.	Preface	(v)		also however	also. However
49.	Preface	(v)	1	from	for
50.	Preface	(v)	2	Mathematics learning	learning Mathematics
51.	Preface	(v)	2	but should	but also
52.	Preface	(v)	3	in the way it is defined	the way how it is defined.
53.	Preface	(v)	4	but is	but also
54.	Preface	(vi)	1	their	they

Sl. No.	Name of the chapter	Page No.	Para No.	Existing version	Corrected version
55.	Preface	(vi)	3	have already learnt also	have also already learnt
56.	Preface	(vi)	3	Text book	textbook
57.	Pledge	(viii)		animals	animals.
58.	Real Number	2		between	from / among
59.	Real Number	4		suppose	suppose,
60.	Real Number	6		non-terminating, repeating	non-terminating and repeating
61.	Real Number	6		non-terminating, repeating	non-terminating and repeating
62.	Real Number	7		Do you see a	Have you noticed any
63.	Real Number	7		form $\frac{p}{q}$	form of $\frac{p}{q}$
64.	Real Number	8		form $\frac{p}{q}$	form of $\frac{p}{q}$
65.	Real Number	8		n m	n and m
66.	Real Number	9		n m	n and m
67.	Real Number	9		form	form.
68.	Real Number	9		'do this exercise'	'Do This' exercise
69.	Real Number	9		taken	shown
70.	Real Number	9		n m	n and m
71.	Real Number	9		non-terminating, repeating	non-terminating and repeating
72.	Real Number	9		the discussion above	the above discussion
73.	Real Number	9		terminating, repeating	terminating and repeating
74.	Real Number	10		actually	Delete the word (actually)
75.	Real Number	11		in the form	in the form of
76.	Real Number	12		a <sup>2</sup> it	a <sup>2</sup> , it
77.	Real Number	16		we can deal	we deal
78.	Real Number	16		3 <sup>4</sup> it	3 <sup>4</sup> , it
79.	Real Number	16		27 we	27, we

Sl.	Name of the	Page	Para	Existing version	Corrected version
80.	Real Number	16		substraction	subtractions
81.	Real Number	18		$a > 0$	$a > 0$
82.	Real Number	24		of number	of a number
83.	Real Number	24		form $\frac{p}{q}$	form of $\frac{p}{q}$
84.	Real Number	24		n, m	n and m
85.	Real Number	24		n, m	n and m
86.	Real Number	24		terminating, repeating	terminating and repeating
87.	Sets (2)	25		Aryabhata	Aryabhata
88.	Sets (2)	25		Bhaskar	Bhaskara
89.	Sets	25		Happy	happy
90.	Sets	25		Cricket (u.c)	cricket (l.c)
91.	Sets	26		who is tall is not clear	it is not clear which student is tall.
92.	Sets	26		yellow, black	Delete
93.	Sets	27		cone are	cone
94.	Sets	28		rainbow	rainbow
95.	Sets	29		answer ?	answer.
96.	Sets	30		such that	in which
97.	Sets	30		Set	Sets
98.	Sets	32		repeats	is repeated
99.	Sets	34		set	sets
100.	Sets	34		Universal (u.c)	universal (u.c)
101.	Sets	38		is subset	is a subset
102.	Sets	40		between	among
103.	Sets	40		additions	addition
104.	Sets	41		the called	called



Sl.	Name of the	Page	Para	Existing version	Corrected version
105.	Sets	43		List out some sets A and B and choose their elements such that A and B are disjoint.	See the textbook page 43
106.	Polynomials	47		situations	situations.
107.	Polynomials	47		unknown	"unknown"
108.	Polynomials	52		From the graph	In the graph
109.	Polynomials	54		our observation earlier	our earlier observation
110.	Polynomials	71		find other	find the other
111.	Chapter-7	159		From the figure write coordinates of the points ABC .....	see the textbook page 159
112.	7	159		between two points	between the two points.
113.	7	159		in figure	in the figure
114.	7	159		between two	between the two
115.	7	159		between two	between the two
116.	7	161		(0, 4)	(0, 4) ?
117.	7	161		and justify	? Justify
118.	7	161		x or	x coordinats
119.	7	161		not zero	not a zero
120.	7	162		(8, 0)	(8, 0) ?
121.	7	164		between two	between the two
122.	7	164		to are	it upto two
123.	7	164		examples	examples.
124.	7	164		Points	Points.
125.	7	165		therefore	Delete (therefore)
126.	7	165		sides of triangle	sides of the triangle.
127.	7	166		Figure	the figure

Sl. No.	Name of the chapter	Page No.	Para No.	Existing version	Corrected version
128.	7	166		a relation	the relation
129.	7	167		Pairs of Points	pairs of points
130.	7	171		segement	segment
131.	7	171		(-1; 4)	(-1, 4).
132.	7	171		2 : 3	2 : 3.
133.	7	172		find (x, y)	Then find (x, y)
134.	7	177		(6, -8) is	(6, -8) is
135.	7	180		inorder	in order
136.	7	181		points	points.
137.	7	181		is	with
138.	7	182		is may	may
139.	7	182		directly	directly,
140.	7	183		a Ancient	an ancient
141.	7	184		inorder	in order
142.	7	184		pairs	pairs ?
143.	7	184		plane	plane ?
144.	7	185		them	them.
145.	7	185		you can	can you
146.	7	185		"why" ?	why ?
147.	7	186		How we	How can we
148.	7	187		line choose	line ? Choose
149.	7	188		when the line	when is the line
150.	7	189		'p'.	'p' ?
151.	7	189		A.	A ?

<b>Sl. No.</b>	<b>Name of the chapter</b>	<b>Page No.</b>	<b>Para No.</b>	<b>Existing version</b>	<b>Corrected version</b>
1.	Polynomials	47	1	what's	what is
2.	Polynomials	52	Do this	x-coordinates	x coordinate
3.	Polynomials	57	1 last line	zeros	zeroes
4.	Polynomials	62	Note	later 'y'	later, 'y',
5.	Pair of linear equations in two variables	74	1 3 <sup>rd</sup> line	By only using	By using only
6.	Pair of linear equations in two variables	80	1 below the box	look few	look at few
7.	Pair of linear equations in two variables	80	Ex : 1	repressent	represent
8.	Pair of linear equations in two variables	82	Soln last line	its graph	their graph
9.	Quadratic Equations	101	3	breath	breadth
10.	Quadratic Equations	101	4	Solve	Solved
11.	Quadratic Equations	101	5	like in above	Like in the above
12.	Quadratic Equations	103	1	Quadratic	quadratic
13.	Quadratic Equations	103	1 Point - 1	When the rocket	when a rocket
14.	Quadratic Equations	103	Pictures	Eye Glasses	Spectacles
15.	Quadratic Equations	103	Point - 4	breaks	brakes
16.	Quadratic Equations	103	Ex-1 (i) last line	they	each of them
17.	Quadratic Equations	103	Ex-1 (ii) line-1	right triangle	right angle triangle

<b>Sl. No.</b>	<b>Name of the chapter</b>	<b>Page No.</b>	<b>Para No.</b>	<b>Existing version</b>	<b>Corrected version</b>
18.	Quadratic Equations	106	Last line & last 2nd line	at most	maximum
19.	Quadratic Equations	109	Q.No.4	right triangle	right angle triangle
20.	Quadratic Equations	112	Ex-6 Soln	Algoritm	algorithm
21.	Quadratic Equations	113	step-1	through out	throughout
22.	Quadratic Equations	119	Q.No. 10	Bangalore	Bengaluru
23.	Quadratic Equations	120	2 line-1	zeros	zeroes
24.	Quadratic Equations	120	Case	equation touching	equation is touching
25.	Quadratic Equations	123	Optional Ex-1	Each point joined	Each point is joined
26.	Quadratic Equations	123	Optional Ex-2.Q	of the digits	of its digits
27.	Quadratic Equations	123	Q.3	length, cut	length is cut
28.	Quadratic Equations	123	Q.4 line-2	vinay	Vinay
29.	Progressions	126	1 line-1	exampled	example
30.	Progressions	126	Point (a)	seheme	scheme
31.	Progressions	127	1 line-2	fixed number or in others	fixed number, in some others
32.	Progressions	127	2 line-3	number or in	number and in
33.	Progressions	127	History box	Aryabhata	Aryabhata
34.	Progressions	127	History box	cubes of natural	cubes of a natural
35.	Progressions	128	3	substracting	subtracting
36.	Progressions	128	Try this	Arithmetic Progressions	arithmetic progressions

Sl.	Name of the	Page	Para	Existing version	Corrected version
37.	Progressions	129	Think discuss	an AP	an AP.
38.	Progressions	129	Think discuss-3	Arithmetic	arithmetic
39.	Progressions	130	6.2.2	PARAMETERS OF A	PARAMETERS OF AN
40.	Progressions	130	6.2.2	PROGRESSIONS	PROGRESSION
41.	Progressions	130	3	we will need	we need
42.	Progressions	130	3	Arithmetic Progression	arithmetic progression
43.	Progressions	130	last 3rd line	us try other	us try the other
44.	Progressions	132	Ex-2	form AP	form an AP
45.	Progressions	133	Solu 2 (iii)	numbers do not	numbers does not
46.	Progressions	133	Soln 2 (v)	list form an AP	list forms an AP
47.	Progressions	141	6.4.1	'GAUSS' FIND	'GAUSS' FOUND
48.	Progressions	141	Picture of Gauss	is a	was a
49.	Progressions	142	line-1	transs	Gauss
50.	Progressions	147	Q.No. 13	how may rows	how many rows
51.	Progressions	149	(iv)	sucessive	successive
52.	Progressions	151	Soln (i) last line	number form a G.P.	number forms a GP
53.	Progressions	152	Ex. 6.4 line-1	involved in form a GP	involved is in the form of a GP
54.	Progressions	152	Ex 6.4 Q.No.3	If they are GP write three	If they are GP, write three
55.	Progressions	152	Ex 6.4 last line	consecitive	consecutive
56.	Progressions	153	line-1	a problem the number	a problem. The number
57.	Progressions	153	line-2	originally Then	originally, then
58.	Progressions	153	7	compute that Number of	compute that number of
59.	Progressions	157	Q.No. 6	workers ware	workers were
60.	Progressions	157	Q.No. 6	work in the	work on the

Sl. No.	Name of the chapter	Page No.	Para No.	Existing version	Corrected version
61.	Progressions	157	Q.No. 6	dropped in the	dropped on the
62.	Progressions	158	6th point	Geometric Progression	geometric progression
63.	Coordinate Geometry	163	Soln - 2	using pythagoran	using Pythagoras
64.	Coordinate Geometry	163	Think Discuss-2	formulas	formula
65.	Coordinate Geometry	164	Think Discuss-2	tenth is 9.5	tenth as 9.5
66.	Coordinate Geometry	164	Think Discuss-2	that sridhar got	that Sridhar got
67.	Coordinate Geometry	165	Soln-6	digonals	diagonals
68.	Coordinate Geometry	166	2nd line	digonals	diagonals
69.	Coordinate Geometry	168	Q.No.5	Jarina asks phani	Jarina asks Phani
70.	Coordinate Geometry	171	Soln-10	section formuls	section formula
71.	Coordinate Geometry	174	Think Dis-(d)	In how	Into how
72.	Coordinate Geometry	180	Soln-19	numerical value	numerical value
73.	Coordinate Geometry	181	Soln-20	you will get	you will get
74.	Coordinate Geometry	182	Do this	Verify wheather	verify whether
75.	Coordinate Geometry	182	7.8.2 3rd line	equillateral	equilateral
76.	Coordinate Geometry	183	Ex-22	Collineary	collinear
77.	Coordinate Geometry	184	Q.No.4	taken in order	taken in order
78.	Coordinate Geometry	184	5	Heron's formula	Heron's formula

Sl. No.	Name of the chapter	Page No.	Para No.	Existing version	Corrected version
79.	Coordinate Geometry	185	5th line	And In this	and in this
80.	Coordinate Geometry	185	Do this	join Them	join them
81.	Coordinate Geometry	185	Do this	which is not ? why ?	which does not ? Why ?
82.	Coordinate Geometry	185	last 2nd line	obviously	Obviously
83.	Coordinate Geometry	187	line-1	on the line choose	on the line ? Choose
84.	Coordinate Geometry	187	line-5	from trigonametry	trigonometry
85.	Coordinate Geometry	187	line-6	$\frac{\textit{opposite}}{\textit{adjacent}}$	$\frac{\textit{opposite}}{\textit{adjacent}}$
86.	Coordinate Geometry	187	7.9.2	$\tan \theta = \frac{\textit{opposite}}{\textit{adjacent}}$	$\frac{\textit{opposite}}{\textit{adjacent}}$
87.	Coordinate Geometry	189	Optional ex: 5	$2x + 3y - 6 = 0$ . With	$2x + 3y - 6 = 0$ with
88.	Quadratic Equations	107	Soln-3 ex: 5	quadratic equation polynomial	quadratic polynomial
89.	Coordinate Geometry	164	Try this	rounded to are decimal	rounded to two decimals
90.	Coordinate Geometry	173	Try this	is again find (x, y)	is again (x, y) then find (x, y)
91.	Coordinate Geometry	177	Ex : 7.2 Q.1	divides the join of	divides the live segment joining the points
92.	Coordinate Geometry	181	Try this	taken in order are as vertices	taken in order as vertices
93.	Coordinate Geometry	184	7-9 Meena	order pairs	ordered pairs
94.	Coordinate Geometry	184	7-9 Meena	I have done case like this case ?	I have done like this
95.	Polynomials	55	Try this	have 2 zeros	have two zeroes

### Annexure

#### Paper-wise and Month-wise division of chapters - Classes IX and X

##### Class IX

Chapter	Contents	Paper-I/ II	Syllabus to be covered during
1	Real numbers	I	June
2	Polynomials and factorisation	I	July
3	Basic geometrical elements	II	July, August
4	Straight lines and angles	II	August
5	Coordinate geometry	I	January
6	Linear equations in two variables	I	September
7	Triangles	I	September, October
8	Quadrilaterals	I	October
9	Statistics	II	July
10	Surface areas and volumes	II	November
11	Areas	I	November, December
12	Circles	II	December
13	Geometrical constructions	II	February
14	Probability	II	February, March
15	Proofs in Mathematics	-	March

##### Class X

Chapter	Contents	Paper-I/ II	Syllabus to be covered during
1	Real numbers	I	June
2	Sets	I	July
3	Polynomials	I	July, August
4	Pair of linear equations in two variables	I	October
5	Quadratic equations	I	November
6	Progressions	I	January, February
7	Coordinate geometry	I	December
8	Similar triangles	II	August
9	Tangents and secants to a circle	II	November
10	Mensuration	II	September, October
11	Trigonometry	II	September
12	Applications of trigonometry	II	January
13	Probability	II	February
14	Statistics	II	July
15	Mathematical modeling	-	February

**Note:** As per examination reforms, the syllabus has been divided into Paper-I and Paper-II. Hence, teachers should note these changes and follow accordingly in their teaching.



