



India's Biggest Community-led Maths Contests

- CHIKKODI DISTRICT -KARNATAKA







On September 19, 2024, Akshara Foundation facilitated maths contests for children in grades 4 to 6 across

249 Gram Panchayats

In Chikkodi District of Karnataka.
The initiative engaged around

35,700 children

from 1,016 schools and aimed at understanding the learning levels of children in maths, through a community-driven approach.

Methodology





- Thoughtful Question Design: Question papers designed in collaboration with District Institutes of Education and Training (DIETs).
- Grade-Appropriate Assessment: Children from grades 4 to 6 were evaluated based on the competencies of the preceding grade.
- Local Expertise: Answer sheets were meticulously graded by dedicated Education Volunteers using an answer key provided by Akshara Foundation.

Highlights



Eight blocks in the district actively participated in the GP Contests.

Impressive Attendance

35,795 children participated in the Contests.

No	District	Blocks	No of Gram Panchayats	No of Schools	Grade 4	Grade 5	Grade 6	No of Team Leaders who Supported	No of Education Volunteers who supported
1		Athani	45	248	2,301	2,120	2,023	86	154
2		Chikodi	32	114	1,432	1,399	1,398	68	150
3	Chikkodi	Gokak	18	74	1,009	1,048	1,031	34	148
4		Hukkeri	49	184	2,626	2,526	2,407	90	175
5		Kagwad	9	38	425	327	346	16	43
6		Mudalgi	36	167	2,756	2,525	2,591	69	124
7		Nippani	23	50	701	637	676	40	68
8		Raibag	37	141	1,179	1,093	1,219	68	115
		Total	249	1,016	12,429	11,675	11,691	471	977

Pro Bono Service

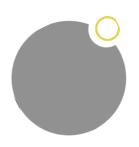
The successful management of GP Contests was a collective effort by GP Team Leaders and Education Volunteers who generously volunteered their time and expertise.

**Community Involvement** 

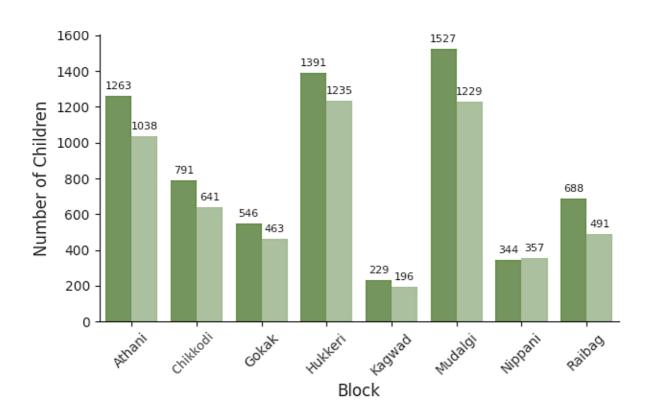
249 Gram Panchayats enthusiastically engaged in organising the contests.



And we found...

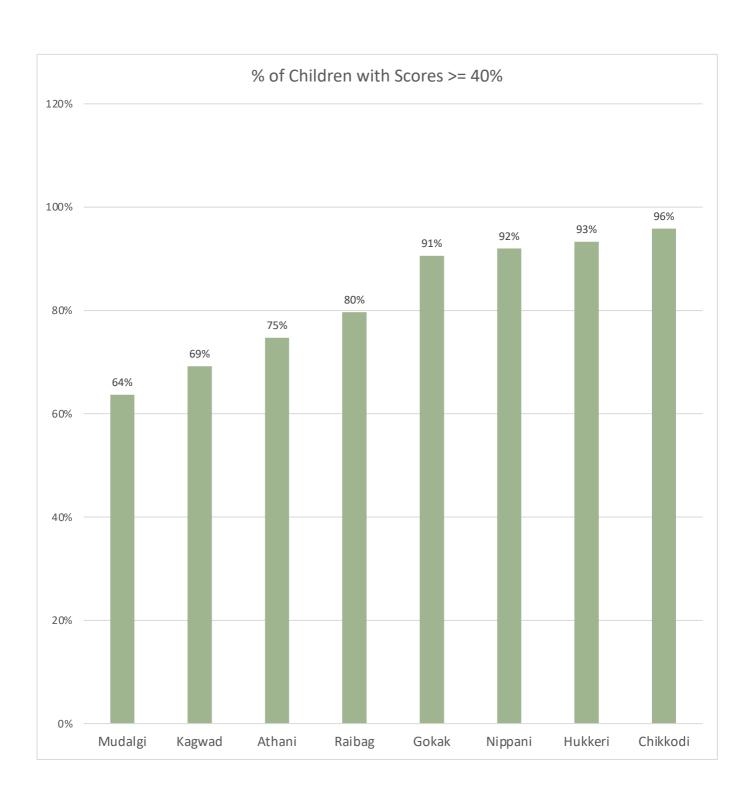


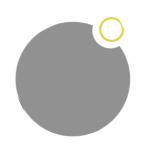
## Participation by GENDER



Gender female male







## The

## **TOP PERFORMING**

## blocks

- Chikkodi
- Hukkeri
- Nippani
- Gokak

## The

#### **BOTTOM PERFORMING**

blocks

Mudalgi 🔵

Kagwad 🔵

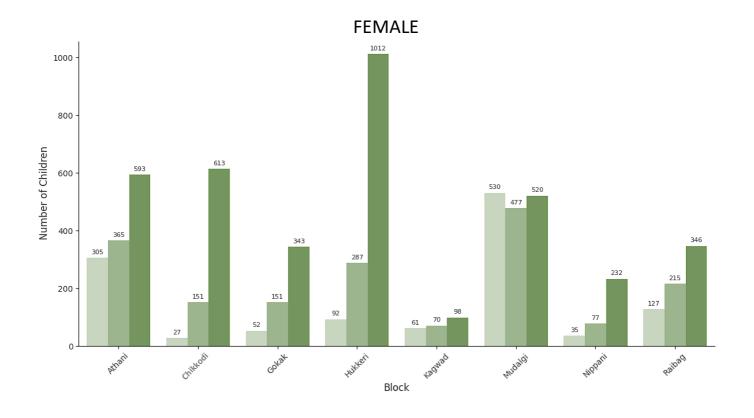
Athani ()

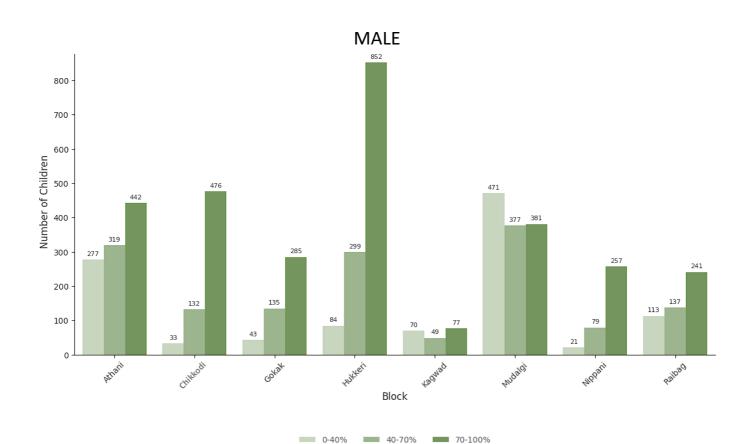
Raibag 🔵





#### **PERFORMANCE BY GENDER**



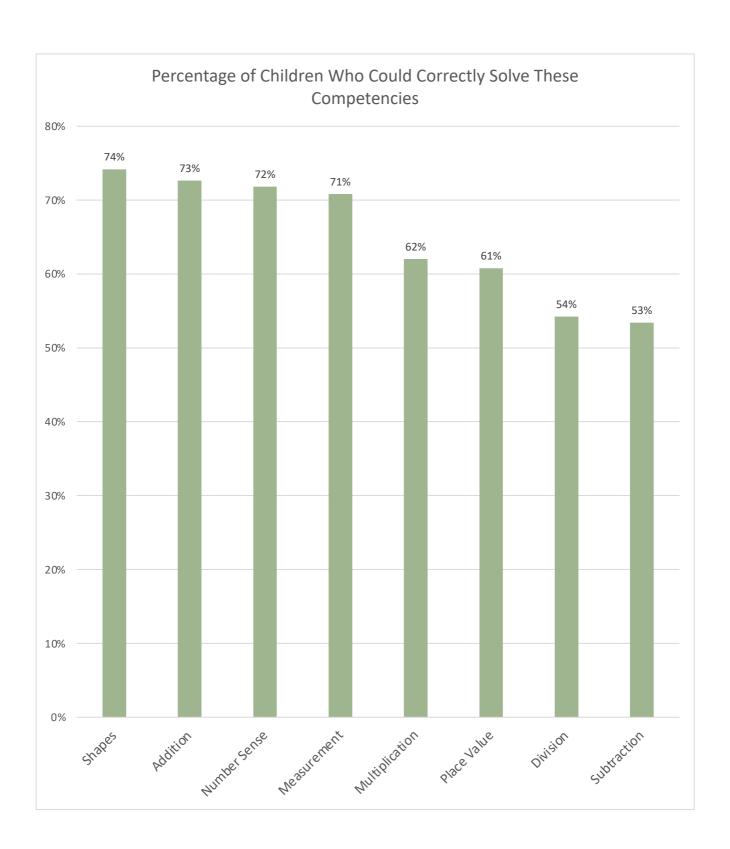














# The

### **EASIEST**

# competencies

- Shapes
- Addition
- Number Sense

## The

#### **TOUGHER**

# competencies

- Subtraction 🖪
  - Division 🖹
- Place value





100

- 80

- 60

- 20

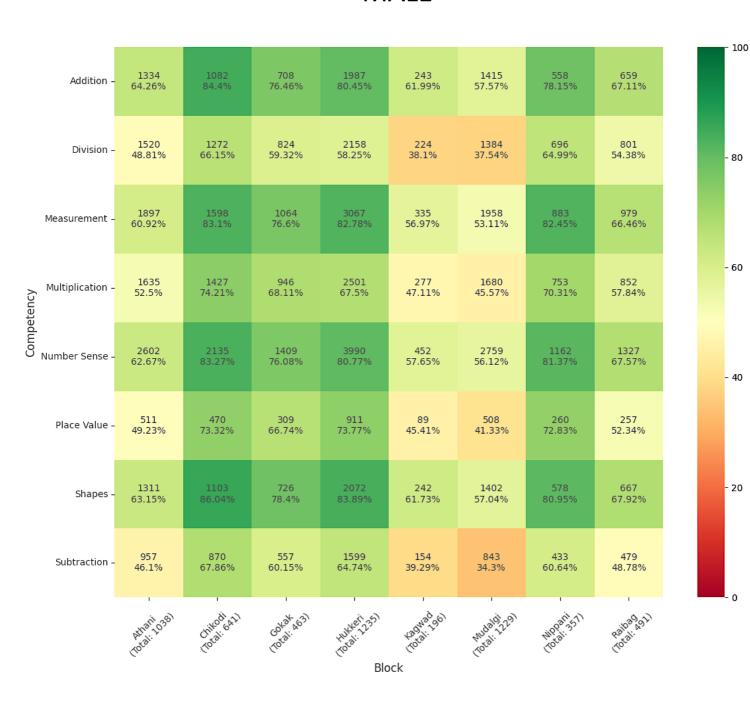
# HEAT MAP OF OVERALL PERFORMANCE BY GENDER

#### **FEMALE**

Addition -	1726	1377	856	2284	289	1839	529	1010			
	68.33%	87.04%	78.39%	82.1%	63.1%	60.22%	76.89%	73.4%			
Division -	1957	1602	944	2572	307	1889	634	1092			
	51.65%	67.51%	57.63%	61.63%	44.69%	41.24%	61.43%	52.91%			
Measurement –	2312	2008	1227	3418	449	2406	837	1415			
	61.02%	84.62%	74.91%	81.91%	65.36%	52.52%	81.1%	68.56%			
tency	2119	1823	1119	2926	386	2299	724	1225			
Multiplication -	55.93%	76.82%	68.32%	70.12%	56.19%	50.19%	70.16%	59.35%			
O Dominion Number Sense -	3302	2702	1694	4594	583	3534	1106	1911			
	65.36%	85.4%	77.56%	82.57%	63.65%	57.86%	80.38%	69.44%			
Place Value -	644	597	385	1031	124	646	238	399			
	50.99%	75.47%	70.51%	74.12%	54.15%	42.31%	69.19%	57.99%			
Shapes -	1669	1393	867	2362	320	1848	587	979			
	66.07%	88.05%	79.4%	84.9%	69.87%	60.51%	85.32%	71.15%			
Subtraction -	1172	1084	682	1824	207	1069	397	699			
	46.4%	68.52%	62.45%	65.56%	45.2%	35.0%	57.7%	50.8%			
	kilari 1263)	Chikodi 92)	Cotal-Jao	HUNKE 1391)	(40 day 2 20)	mdaldis 27	Hipparia da	Rajbada Bel			
	Block										



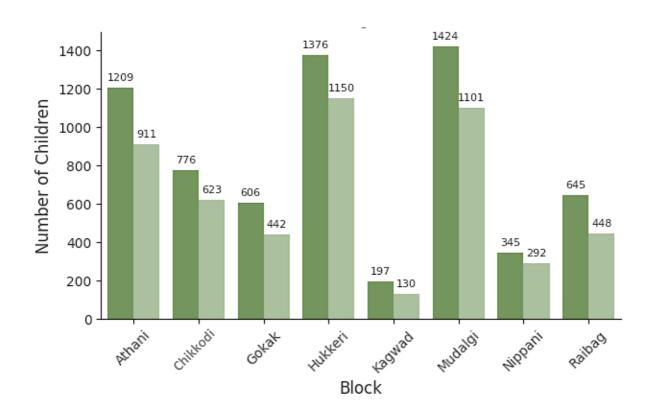
#### **MALE**







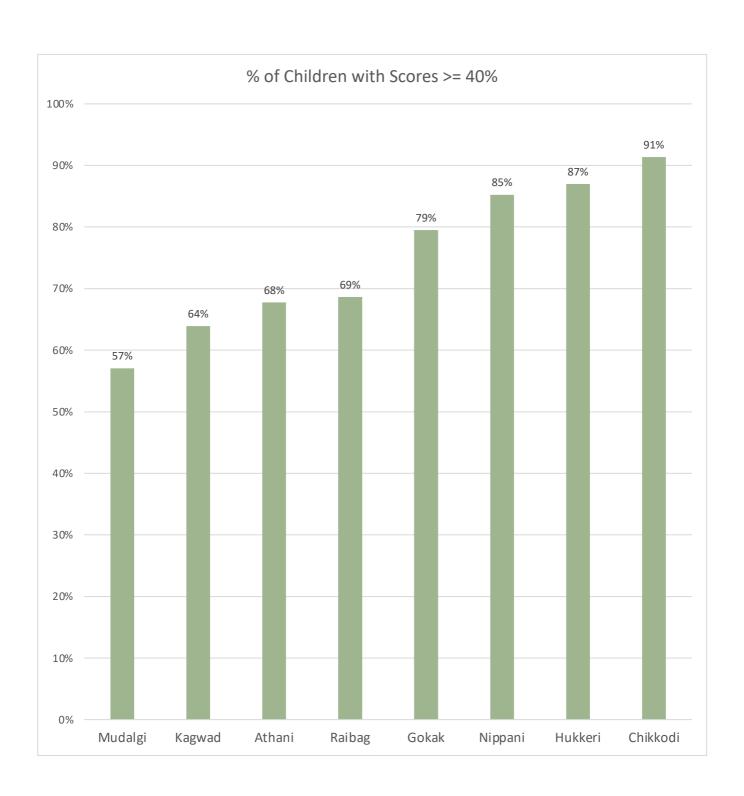
# Participation by GENDER

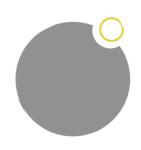


Gender
female
male









## The

## **TOP PERFORMING**

## blocks

- Chikkodi
- Hukkeri
- Nippani
- Gokak

## The

#### **BOTTOM PERFORMING**

blocks

Mudalgi 🔵

Kagwad 🔵

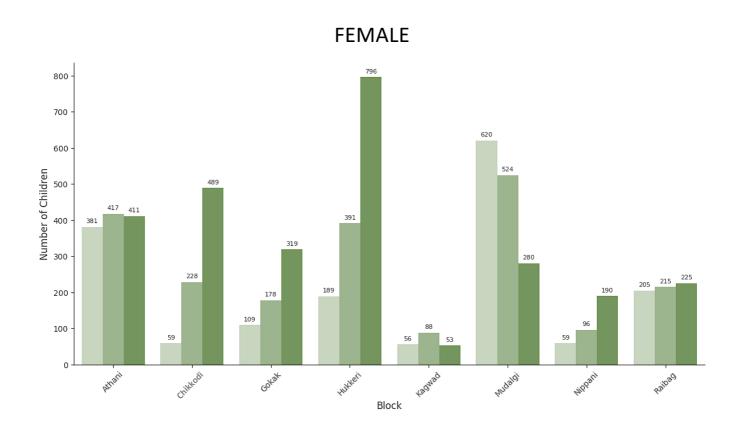
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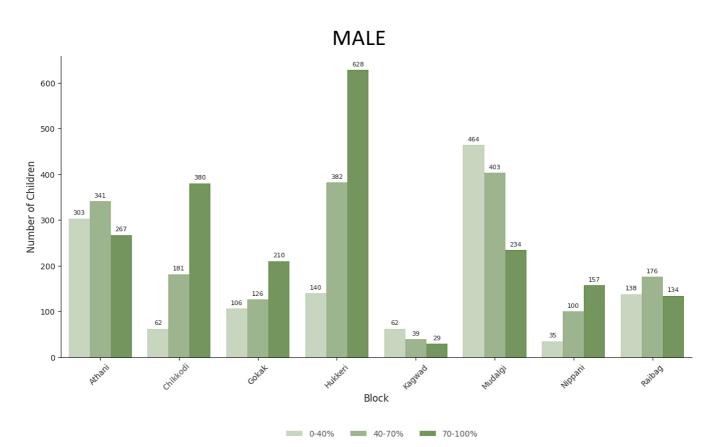
Raibag 🔵





#### **PERFORMANCE BY GENDER**



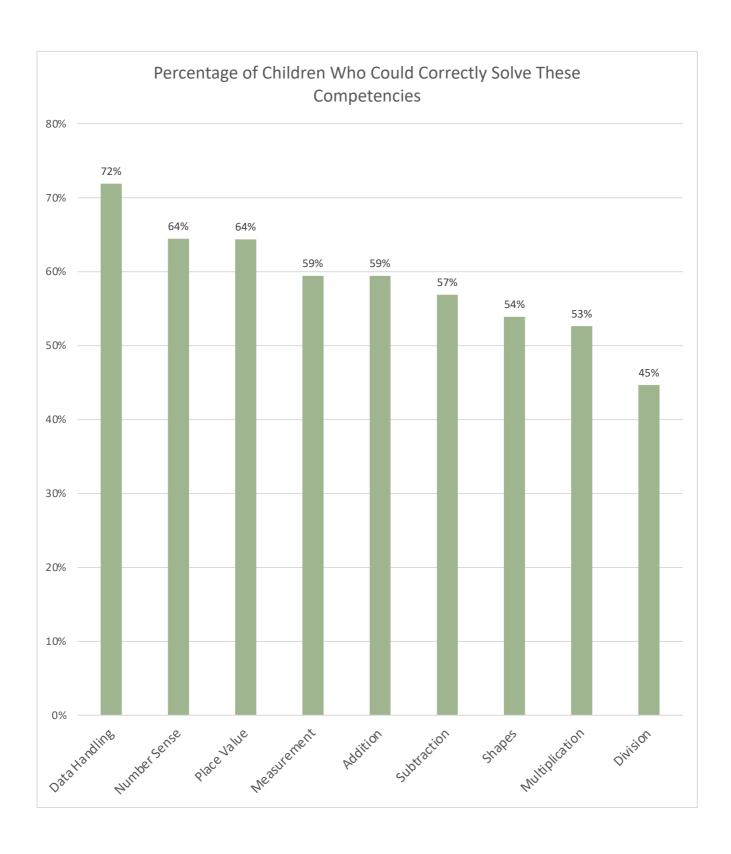














## The

### **EASIEST**

# competencies

- Data Handling
- Number Sense
- Place Value

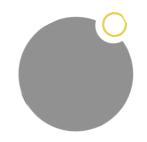
## The

#### **TOUGHER**

## competencies

- Division 🖹
- - Shapes 😯

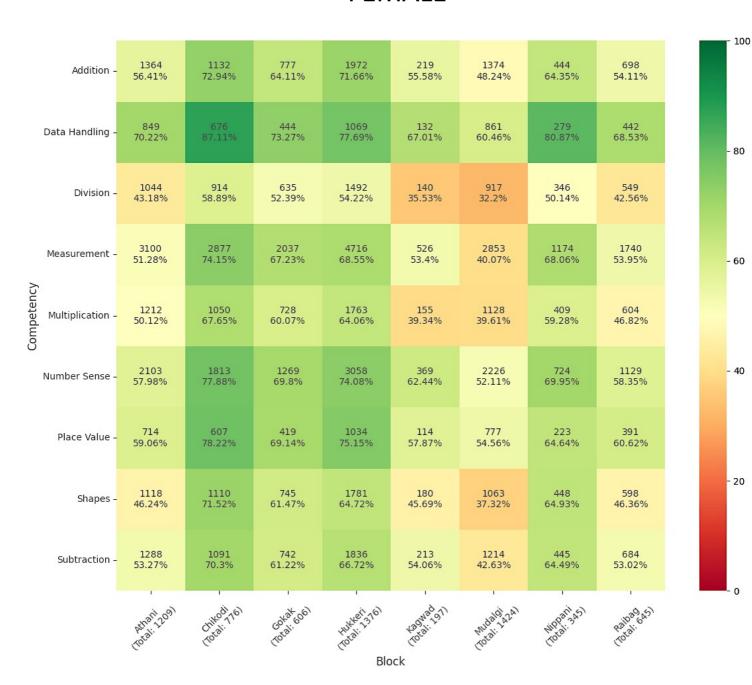




Percentage

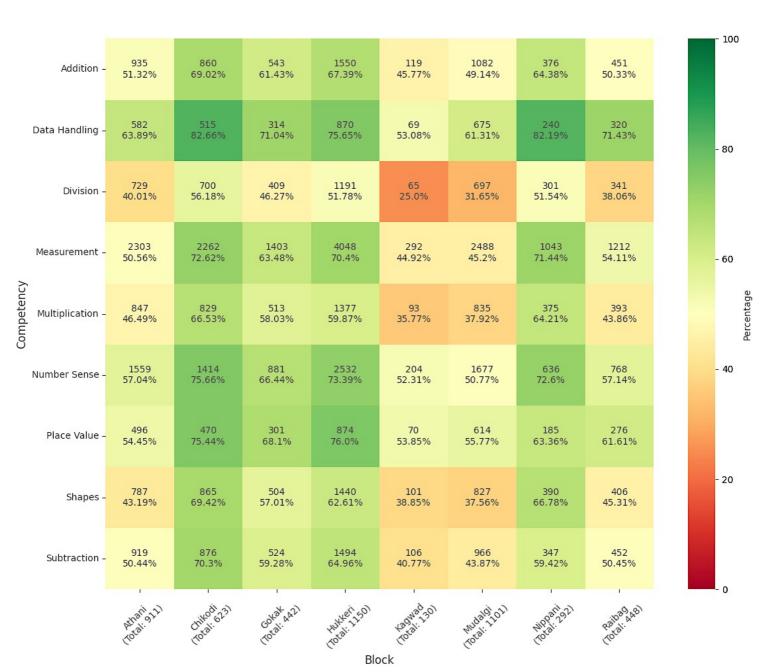
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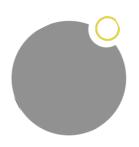




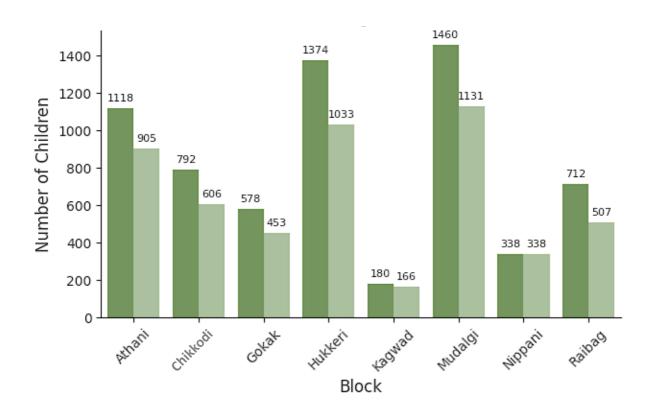
#### **MALE**







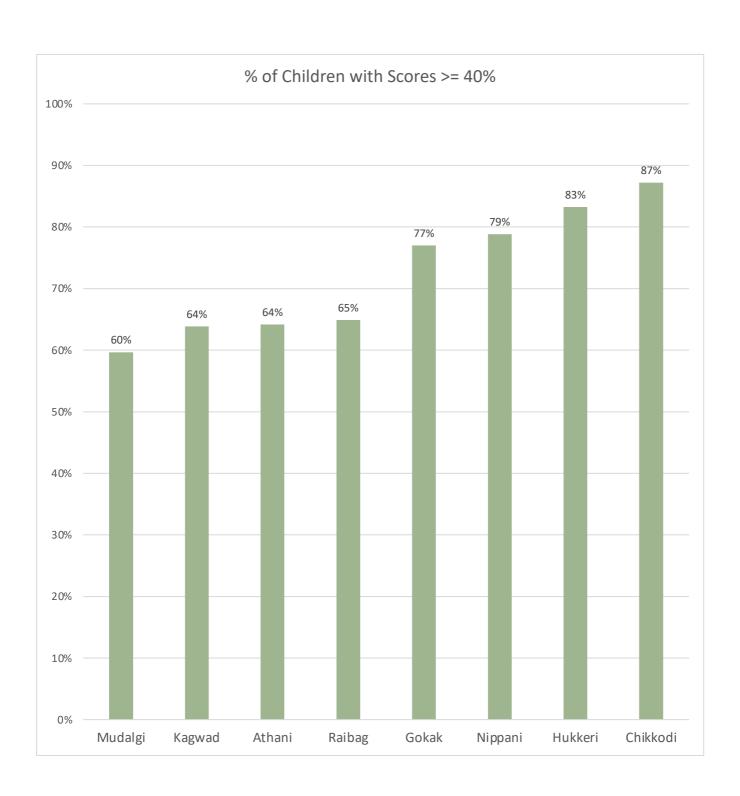
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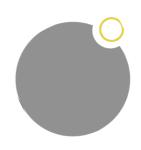


Gender
female
male









## The

## **TOP PERFORMING**

## blocks

- Chikkodi
- Hukkeri
- Nippani
- Gokak

## The

#### **BOTTOM PERFORMING**

blocks

Mudalgi 🔵

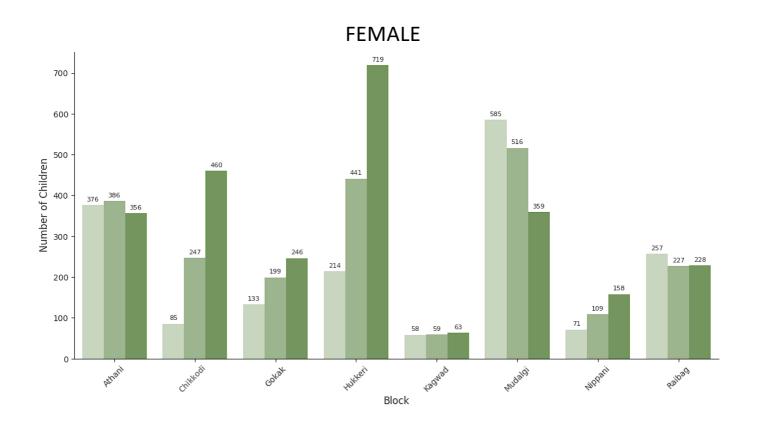
Kagwad 🔵

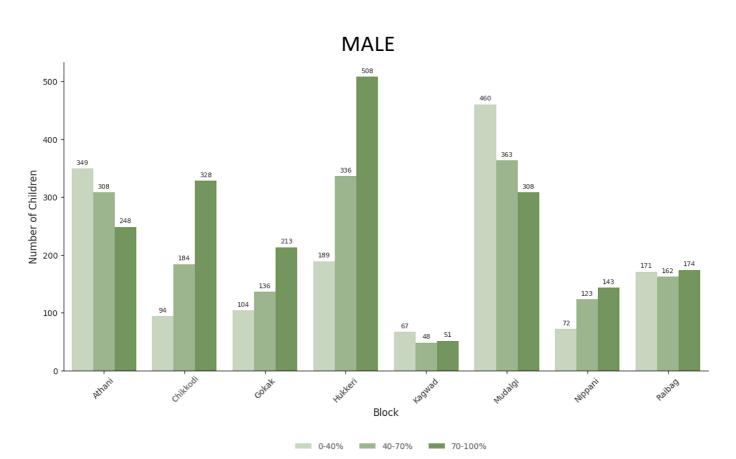
Athani ()

Raibag 🔵



### PERFORMANCE BY GENDER



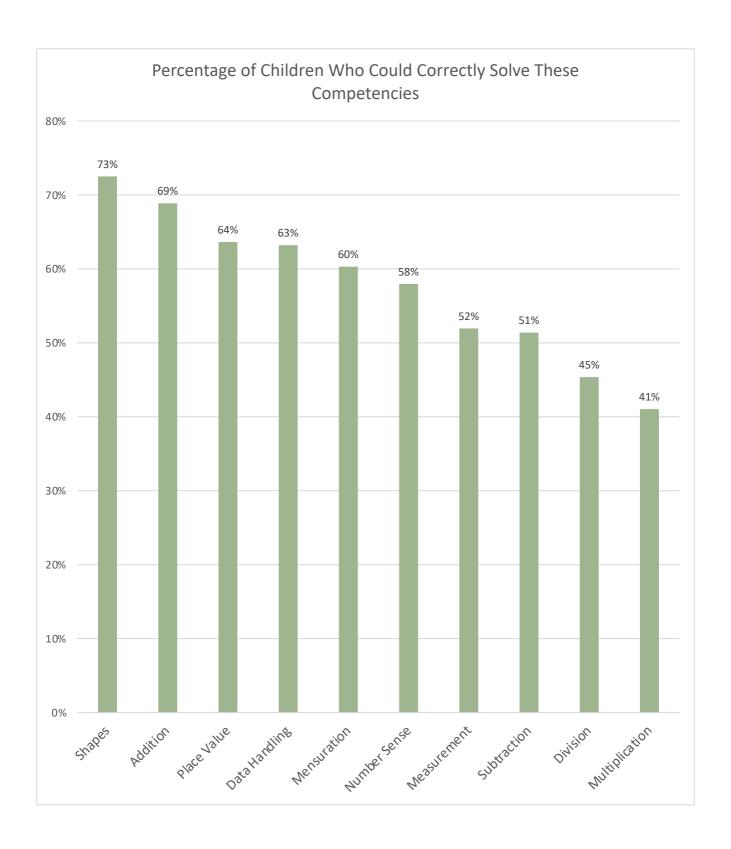














# The

## **EASIEST**

# competencies

- Shapes
- Addition
- Place Value

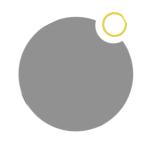
## The

#### **TOUGHER**

# competencies

- Multiplication
  - Division 🖪
  - Subtraction **(**





# HEAT MAP OF OVERALL PERFORMANCE BY GENDER

#### **FEMALE**

Addition -	1490	1289	853	2084	258	1857	502	900		
	66.64%	81.38%	73.79%	75.84%	71.67%	63.6%	74.26%	63.2%		
Data Handling -	646	617	399	1021	114	750	233	385		
	57.78%	77.9%	69.03%	74.31%	63.33%	51.37%	68.93%	54.07%		
Division –	926	905	559	1512	137	1067	342	599		
	41.41%	57.13%	48.36%	55.02%	38.06%	36.54%	50.59%	42.06%		
Measurement –	978	1031	619	1639	173	1031	372	626		
	43.74%	65.09%	53.55%	59.64%	48.06%	35.31%	55.03%	43.96%		
Mensuration -	626	625	370	942	96	695	220	403		
	55.99%	78.91%	64.01%	68.56%	53.33%	47.6%	65.09%	56.6%		
Mensuration -	1235	1196	714	2112	214	1451	502	776		
	36.82%	50.34%	41.18%	51.24%	39.63%	33.13%	49.51%	36.33%		
Number Sense –	1758	1715	1065	2702	303	2045	634	1090		
	52.42%	72.18%	61.42%	65.55%	56.11%	46.69%	62.52%	51.03%		
Place Value -	630	604	368	991	115	786	249	401		
	56.35%	76.26%	63.67%	72.13%	63.89%	53.84%	73.67%	56.32%		
Shapes -	1557	1383	910	2270	241	1808	531	939		
	69.63%	87.31%	78.72%	82.61%	66.94%	61.92%	78.55%	65.94%		
Subtraction –	1577	1523	920	2563	240	1780	557	1024		
	47.02%	64.1%	53.06%	62.18%	44.44%	40.64%	54.93%	47.94%		
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	Block									

- 80 - 60 - 40 - 20



## MALE

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Addition -	1077 59.5%	916 75.58%	659 72.74%	1509 73.04%	202 60.84%	1373 60.7%	429 63.46%	638 62.92%		
Data Handling -	503 55.58%	446 73.6%	294 64.9%	685 66.31%	88 53.01%	574 50.75%	244 72.19%	282 55.62%	- 8	80
Division –	666 36.8%	660 54.46%	477 52.65%	1071 51.84%	117 35.24%	805 35.59%	314 46.45%	434 42.8%		
Measurement –	811 44.81%	809 66.75%	516 56.95%	1231 59.58%	158 47.59%	936 41.38%	423 62.57%	506 49.9%	- 6	60
Mensuration -	455 50.28%	436 71.95%	300 66.23%	686 66.41%	76 45.78%	565 49.96%	227 67.16%	278 54.83%		,,
Multiplication -	873 32.15%	835 45.93%	587 43.19%	1481 47.79%	179 35.94%	1130 33.3%	415 40.93%	580 38.13%	- 4	40
Number Sense –	1351 49.76%	1224 67.33%	853 62.77%	1979 63.86%	255 51.2%	1613 47.54%	658 64.89%	777 51.08%		10
Place Value -	489 54.03%	455 75.08%	288 63.58%	731 70.76%	107 64.46%	602 53.23%	221 65.38%	277 54.64%	- 2	20
Shapes –	1148 63.43%	987 81.44%	675 74.5%	1648 79.77%	207 62.35%	1390 61.45%	529 78.25%	658 64.89%		.0
Subtraction –	1183 43.57%	1120 61.61%	748 55.04%	1855 59.86%	214 42.97%	1451 42.76%	543 53.55%	728 47.86%	_ (	0
	Authania os)	Chikodio6	GOYAYA53)	HUNKET 10331	(10ta). 166	mudal 1,131	High Rigger	RaibagoT)		•
Block										



# Acknowledgements



#### All stakeholders contributed to this effort:

- District Collector (DC)
- CEO of the Zilla Panchayath
- Deputy Director of Public Instruction (DDPI)
- District Institute of Education and Training (DIET)
- Executive Officers of Taluk Panchayats
- Block Education Officers (BEOs) and Block Resource Coordinator (BRCs)
- Gram Panchayat Presidents and Members
- Panchayat Development Officers (PDOs)
- Cluster Resource Persons (CRPs)
- Head Teachers and all Teachers
- School Development and Monitoring Committee (SDMC) members
- Community Members
- GP Team Leaders and Education Volunteers
- Technical Support: Vindhya E-Infomedia and Karanji Infotech Pvt. Ltd.
- The Akshara Foundation Team

















EVERY CHILD IN SCHOOL AND LEARNING WELL

No. 621, 5<sup>th</sup> Main Road, OMBR Layout, Banaswadi, Bengaluru 560 043

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