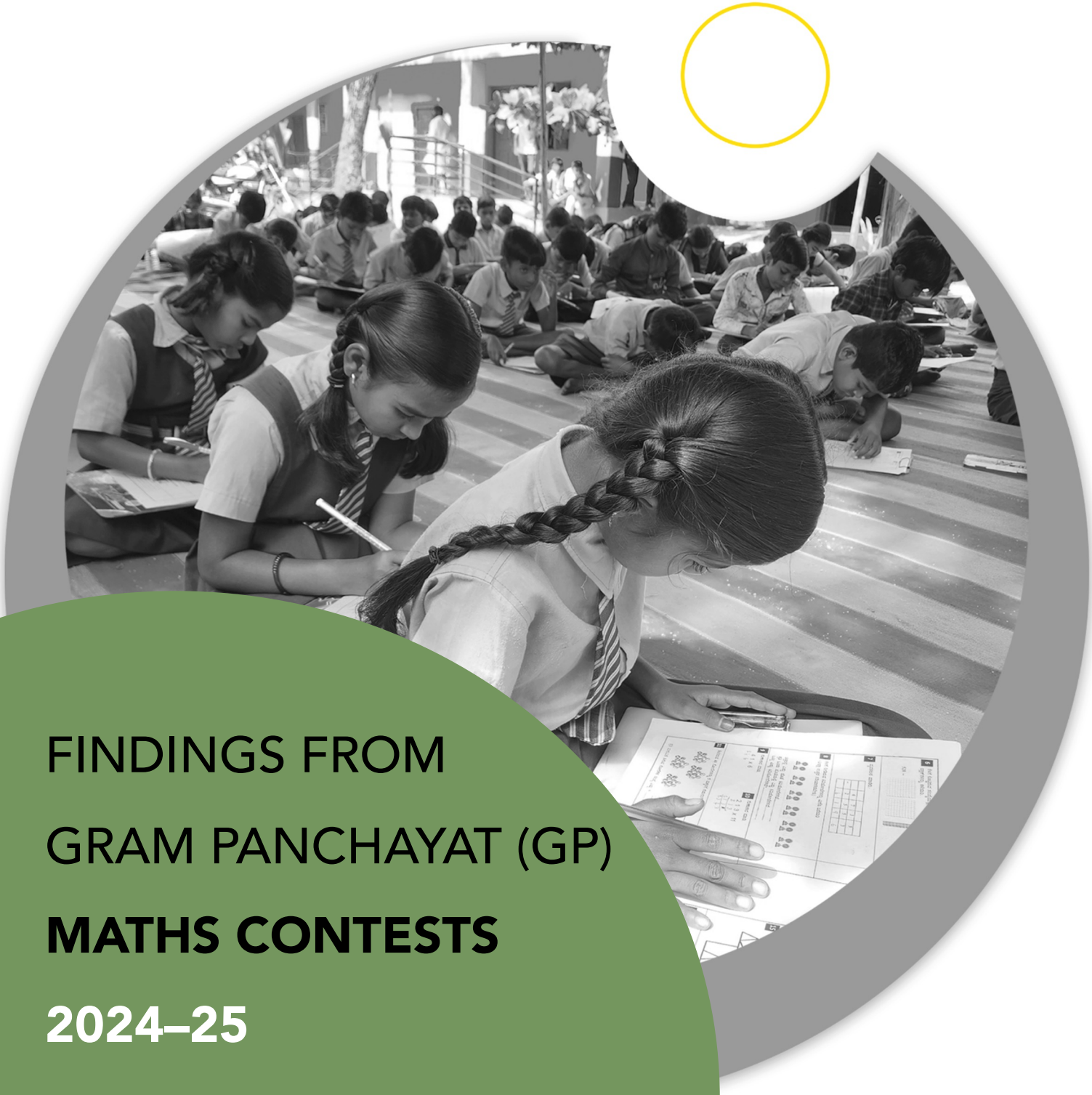
Akshara Foundation

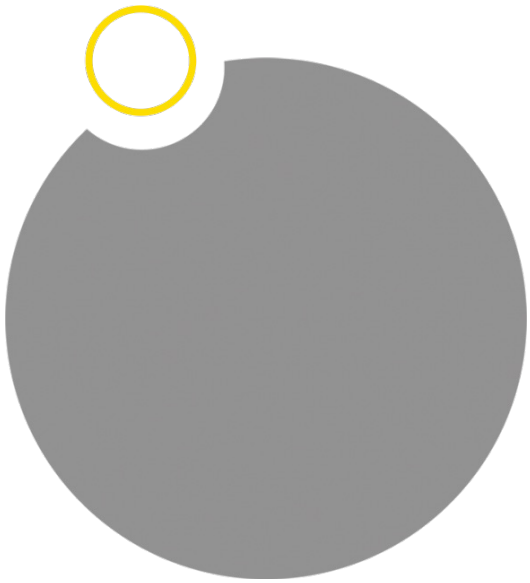
EVERY CHILD IN SCHOOL AND LEARNING WELL



FINDINGS FROM GRAM PANCHAYAT (GP) **MATHS CONTESTS** 2024–25

India's Biggest Community-led Maths Contests

– CHIKKABALLAPURA DISTRICT – KARNATAKA



On August 27, 2024, Akshara Foundation facilitated maths contests for children in grades 4 to 6 across

157 Gram Panchayats

in Chikkaballapura District of Karnataka. The initiative engaged around

14,000 children

from 1,157 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

District Engagement

All 6 blocks in the district actively participated in the GP Contests.

Impressive Attendance

14,281 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	Chikkaballapura	Bagepally	25	202	806	833	545	40	250
2		Chikkaballapur	23	197	828	905	690	52	260
3		Gowribidanur	38	256	1,044	996	661	16	92
4		Gudibanda	8	233	1,284	1,292	1,009	48	220
5		Sidlaghatta	28	78	303	359	216	65	280
6		Chintamani	35	191	855	920	715	70	360
		Total	**157**	**1,157**	**5,120**	**5,305**	**3,836**	**291**	**1,462**

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.

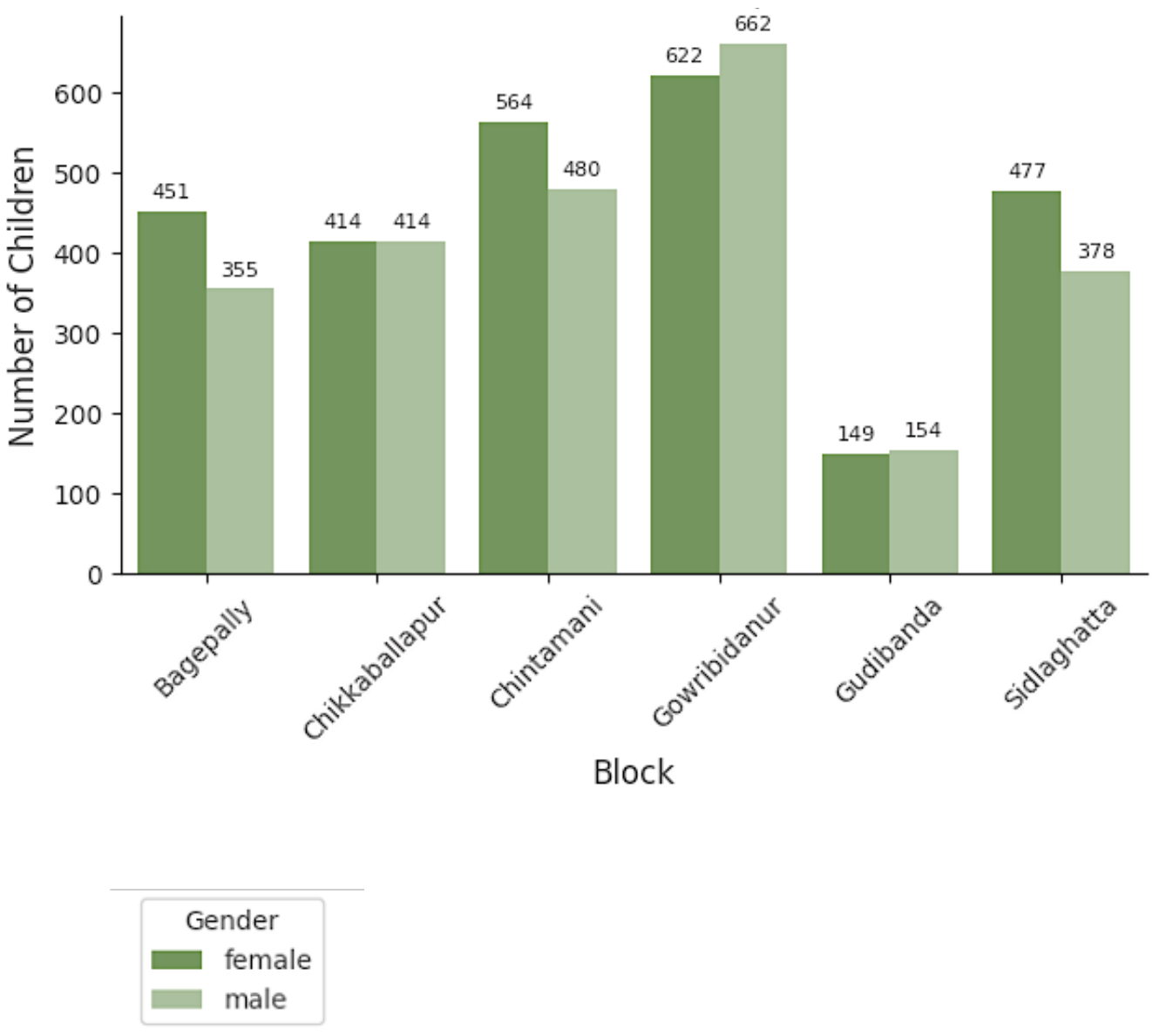
Community Involvement

157 Gram Panchayats enthusiastically engaged in organising the contests.

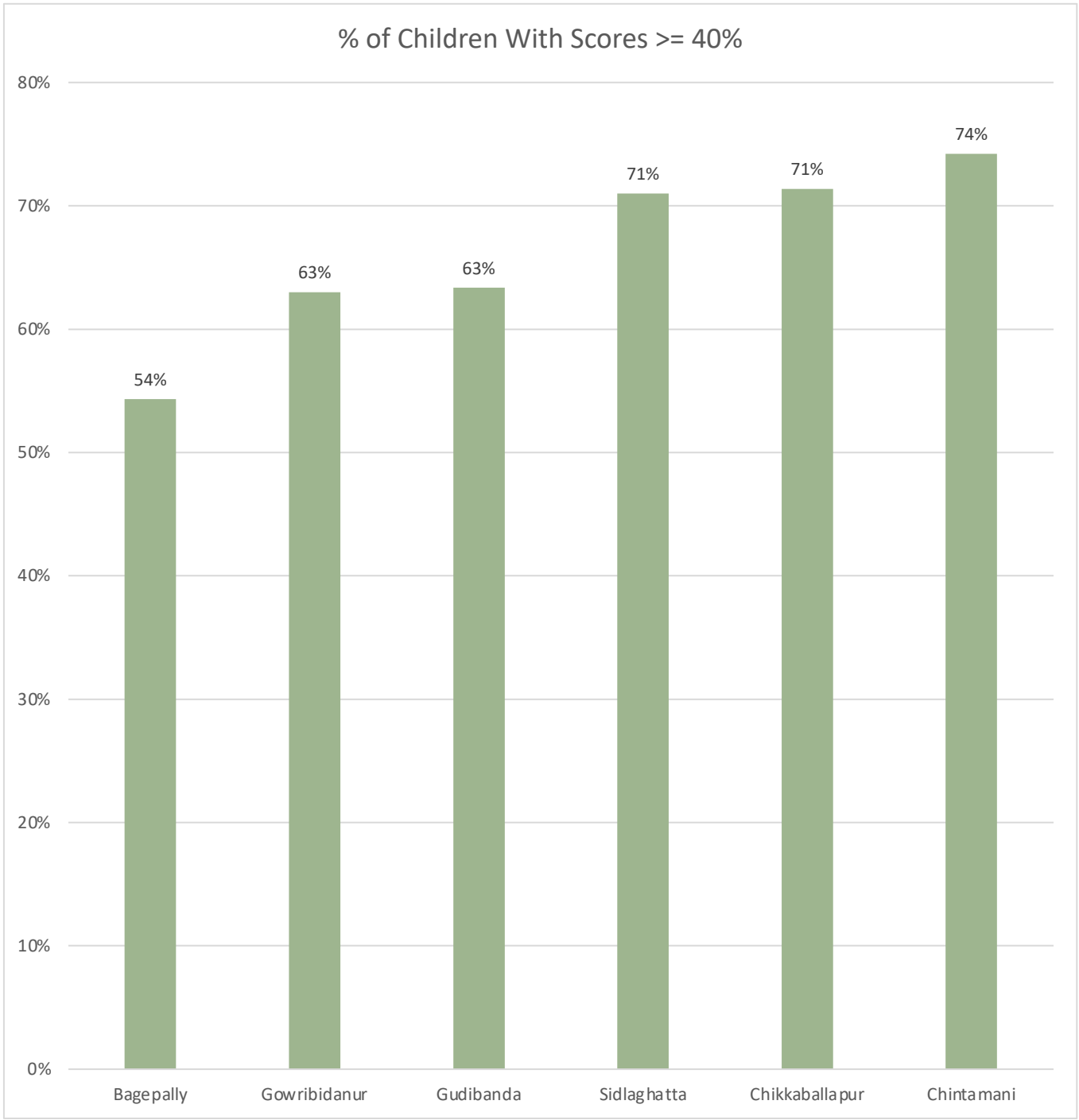
And we found...

Grade 4

Participation by **GENDER**



Grade 4


% of Children With Scores >= 40%
80%
70%
60%
50%
40%
30%
20%
10%
0%
54%
63%
63%
71%
71%
74%
Bagepally
Gowribidanur
Gudibanda
Sidlaghatta
Chikkaballapur
Chintamani

The

TOP PERFORMING

blocks

- Chintamani
- Chikkaballapur
- Sidlaghatta

The

BOTTOM PERFORMING

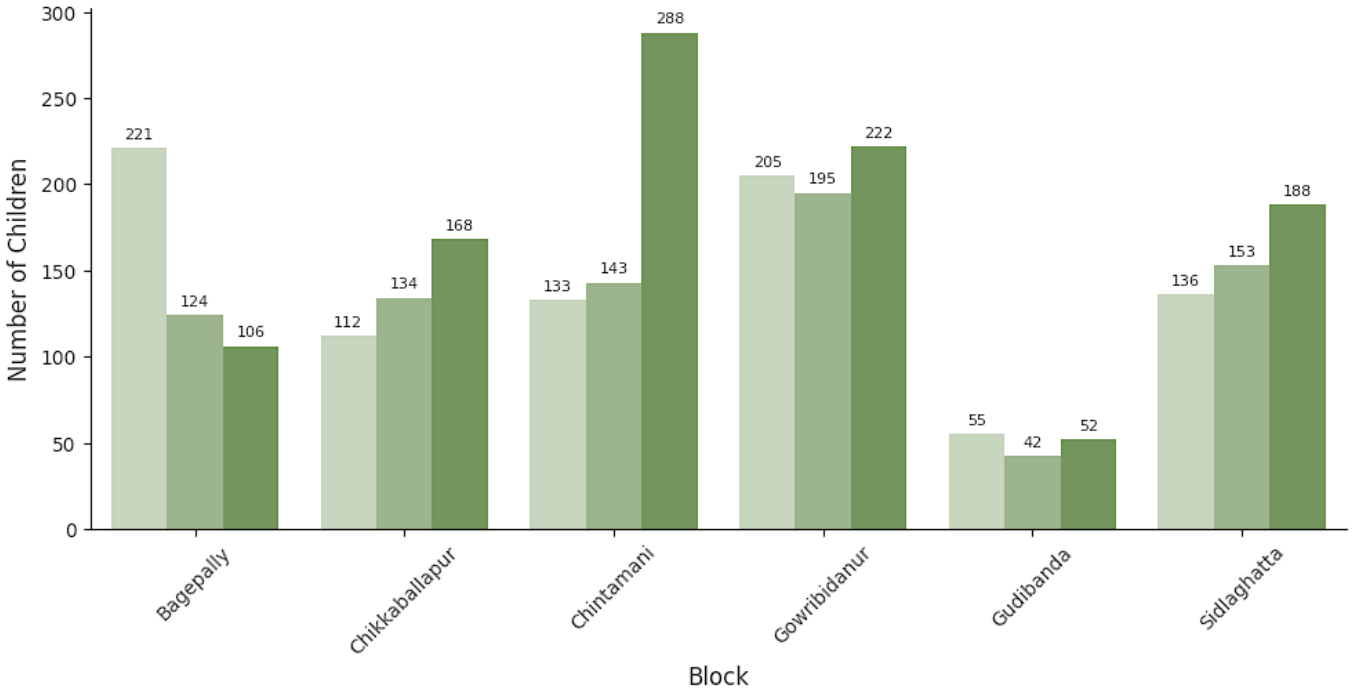
blocks

- Bagepally
- Gowribidanur
- Gudibanda

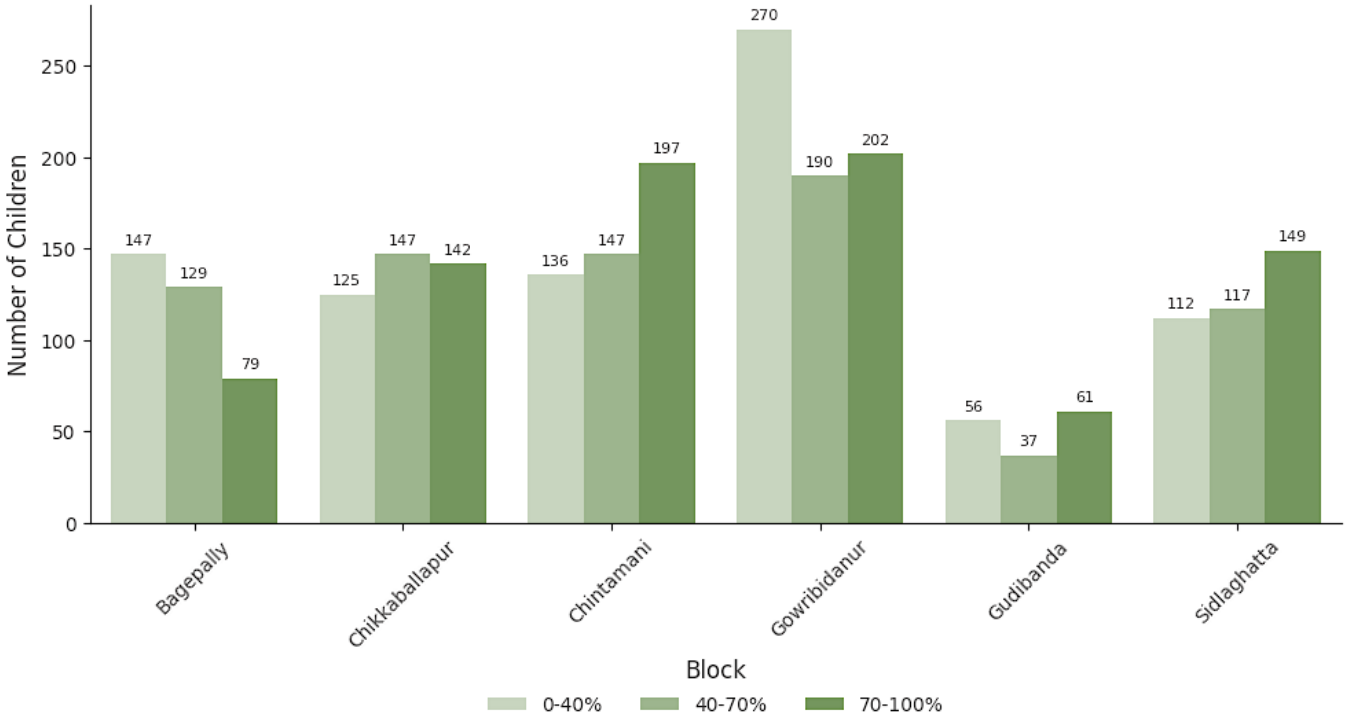
Grade 4

PERFORMANCE BY GENDER

FEMALE

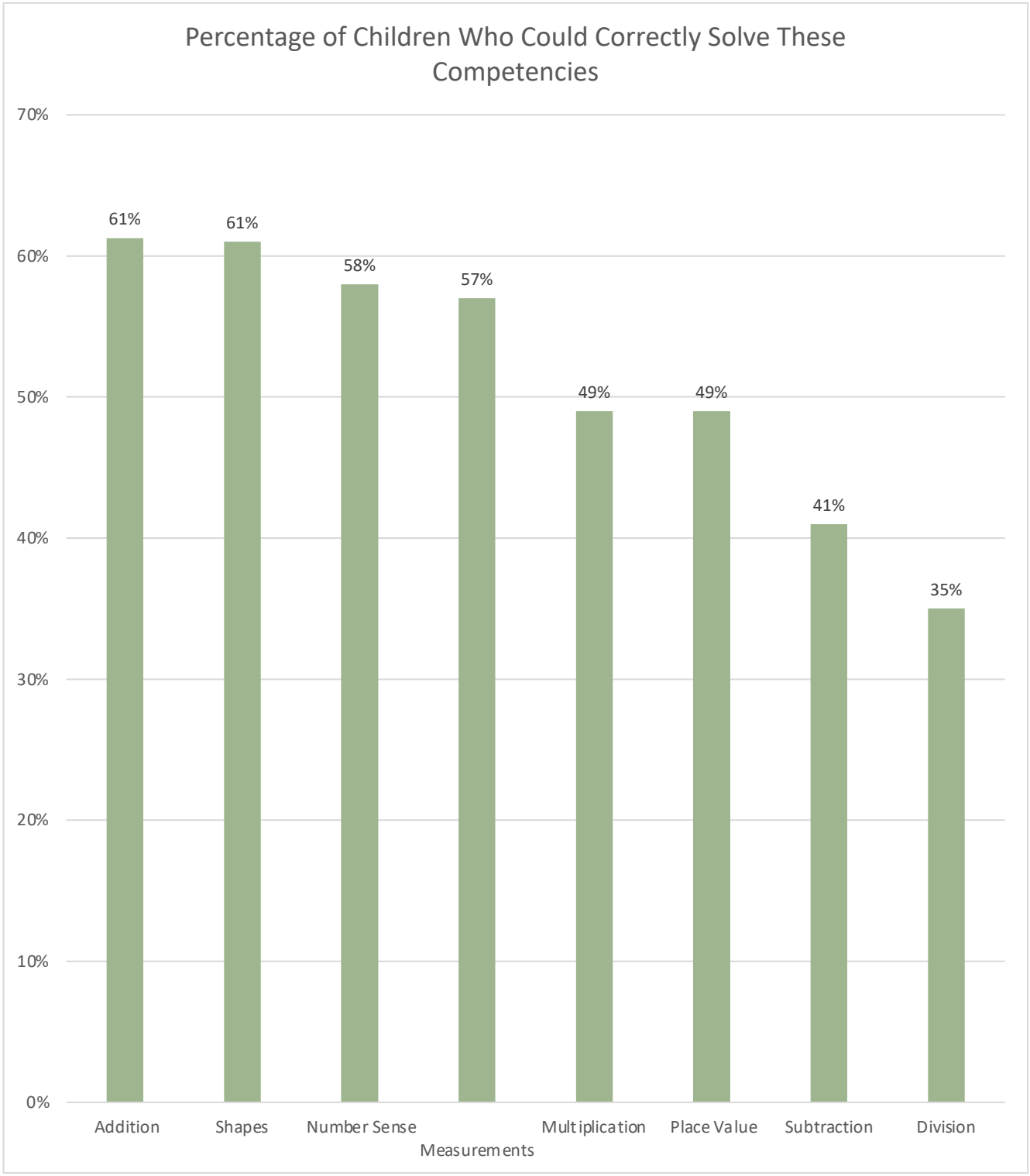


MALE



WHITE BOARD

Grade 4


Percentage of Children Who Could Correctly Solve These Competencies
70%
60%
50%
40%
30%
20%
10%
0%
61%
61%
58%
57%
49%
49%
41%
35%
Addition
Shapes
Number Sense
Measurements
Multiplication
Place Value
Subtraction
Division

The

EASIEST

competencies

- Addition
- Shapes
- Number Sense

The

TOUGHER

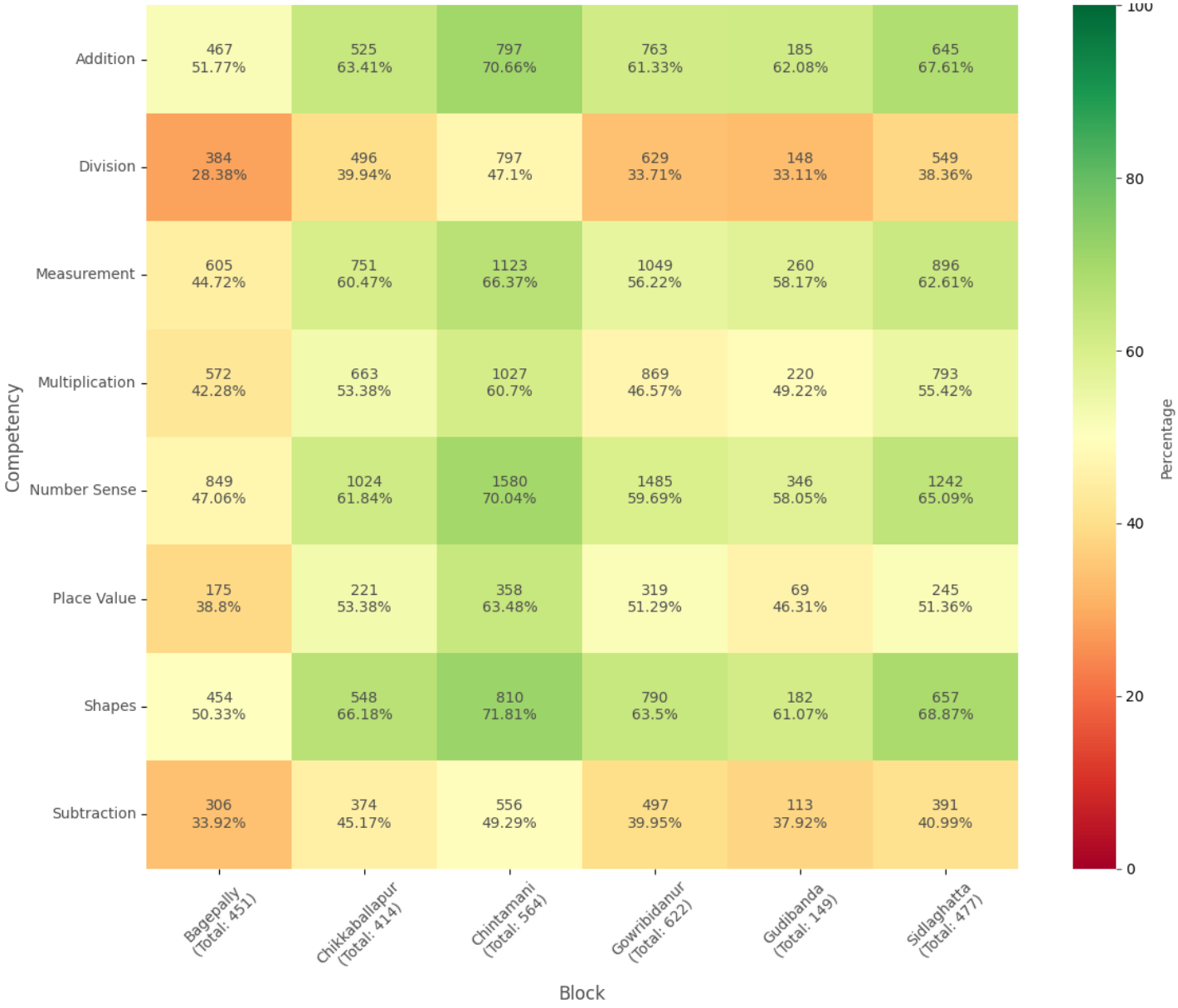
competencies

- Division
- Subtraction
- Place Value

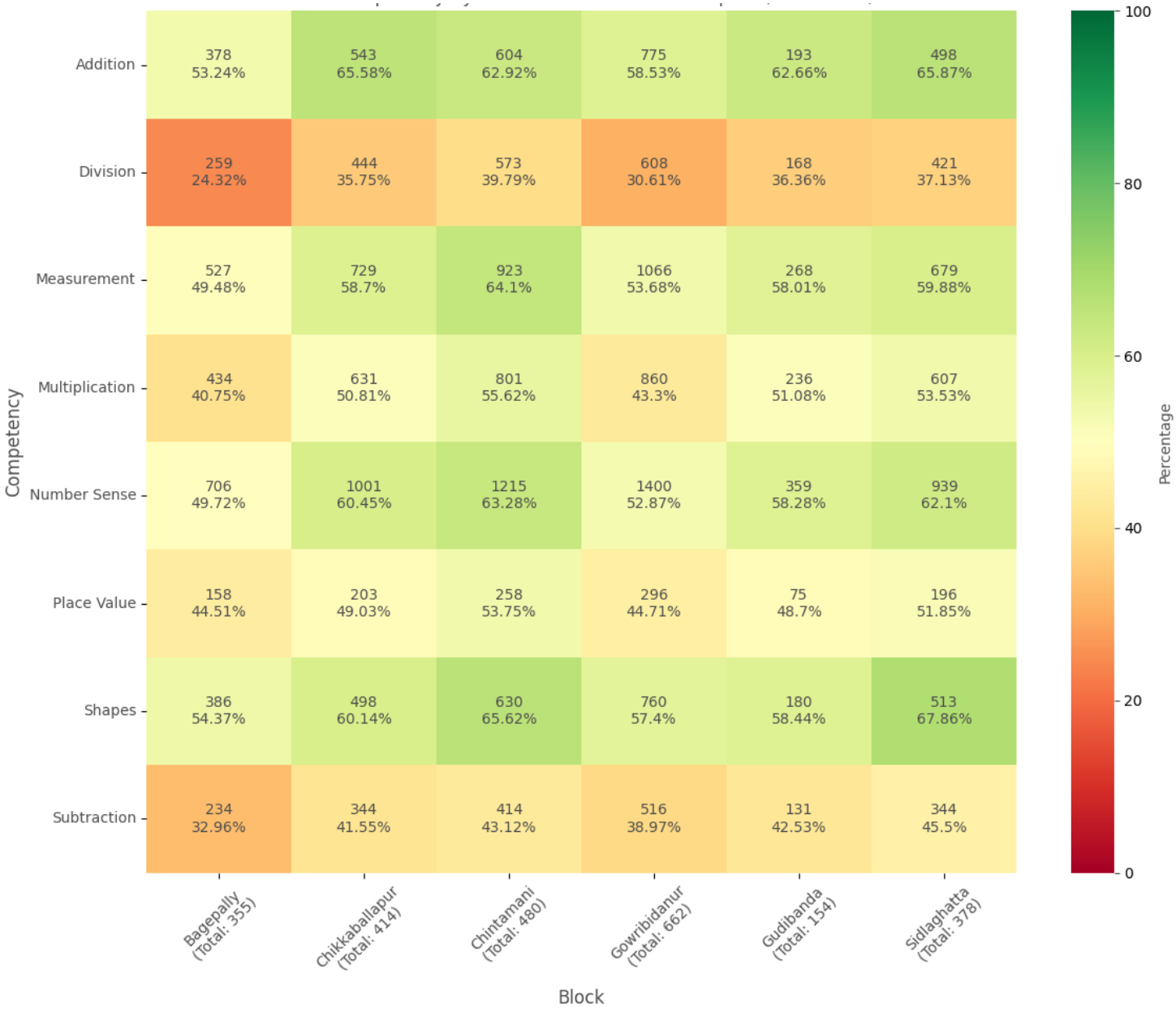
Grade 4

HEAT MAP OF OVERALL PERFORMANCE BY GENDER

FEMALE

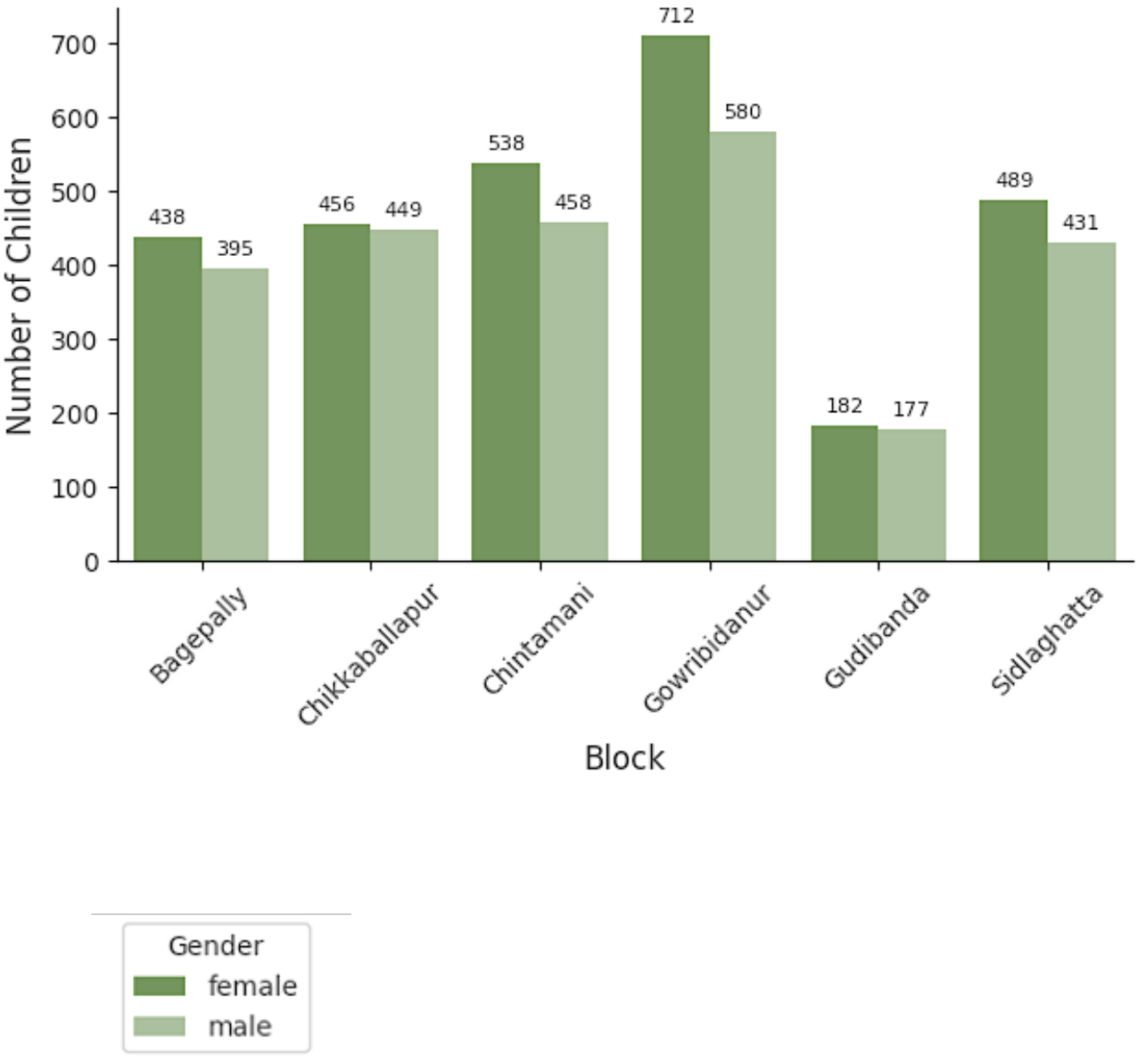


MALE

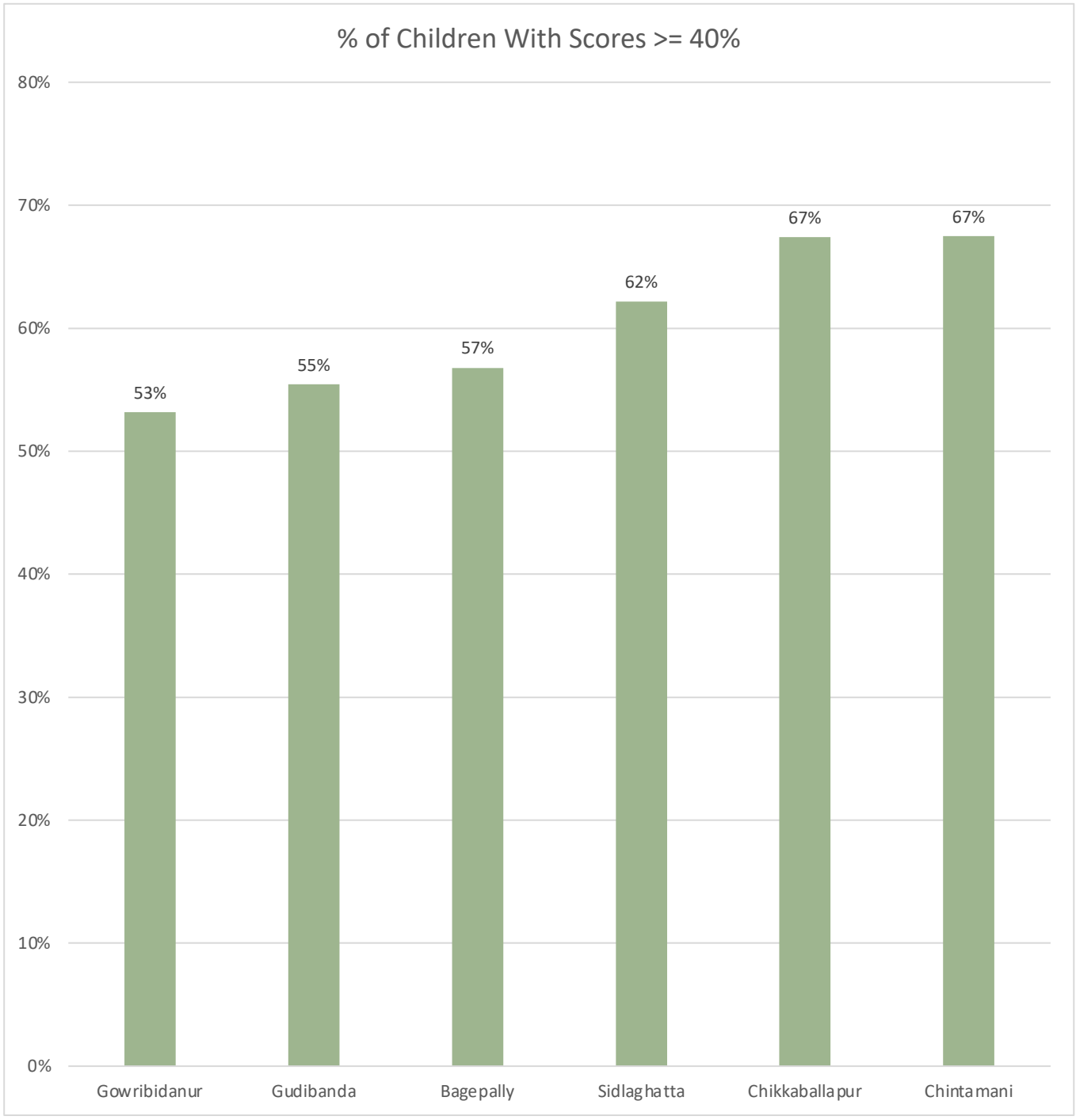

Competency
Addition
Division
Measurement
Multiplication
Number Sense
Place Value
Shapes
Subtraction
378 53.24%
543 65.58%
604 62.92%
775 58.53%
193 62.66%
498 65.87%
259 24.32%
444 35.75%
573 39.79%
608 30.61%
168 36.36%
421 37.13%
527 49.48%
729 58.7%
923 64.1%
1066 53.68%
268 58.01%
679 59.88%
434 40.75%
631 50.81%
801 55.62%
860 43.3%
236 51.08%
607 53.53%
706 49.72%
1001 60.45%
1215 63.28%
1400 52.87%
359 58.28%
939 62.1%
158 44.51%
203 49.03%
258 53.75%
296 44.71%
75 48.7%
196 51.85%
386 54.37%
498 60.14%
630 65.62%
760 57.4%
180 58.44%
513 67.86%
234 32.96%
344 41.55%
414 43.12%
516 38.97%
131 42.53%
344 45.5%
Bagepally (Total: 355)
Chikkaballapur (Total: 414)
Chintamani (Total: 480)
Gowribidanur (Total: 662)
Gudibanda (Total: 154)
Sidlaghatta (Total: 378)
Block
Percentage
100
80
60
40
20
0

Grade 5

Participation by **GENDER**



Grade 5


% of Children With Scores >= 40%
80%
70%
60%
50%
40%
30%
20%
10%
0%
53%
55%
57%
62%
67%
67%
Gowribidanur
Gudibanda
Bagepally
Sidlaghatta
Chikkaballapur
Chintamani

The

TOP PERFORMING

blocks

- Chintamani
- Chikkaballapur
- Sidlaghatta

The

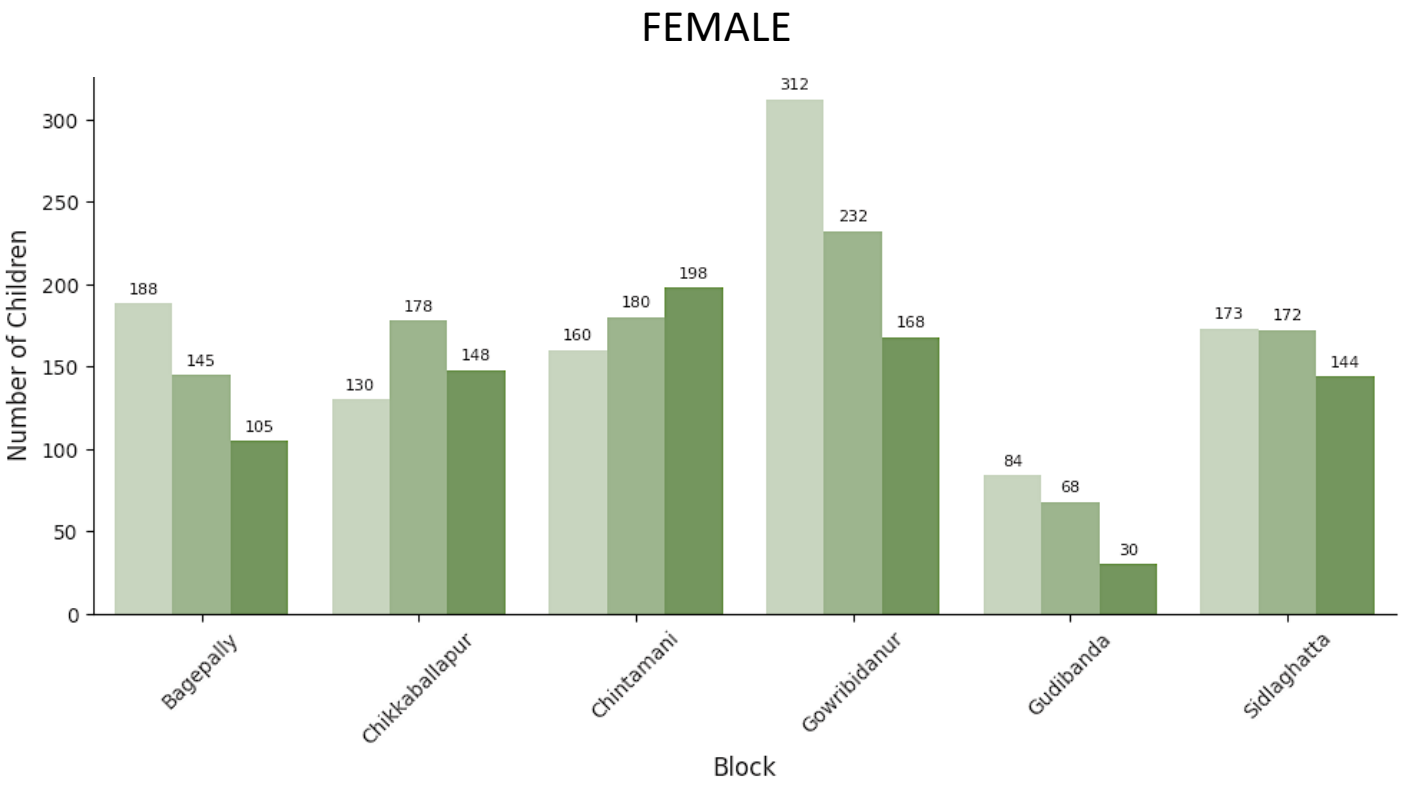
BOTTOM PERFORMING

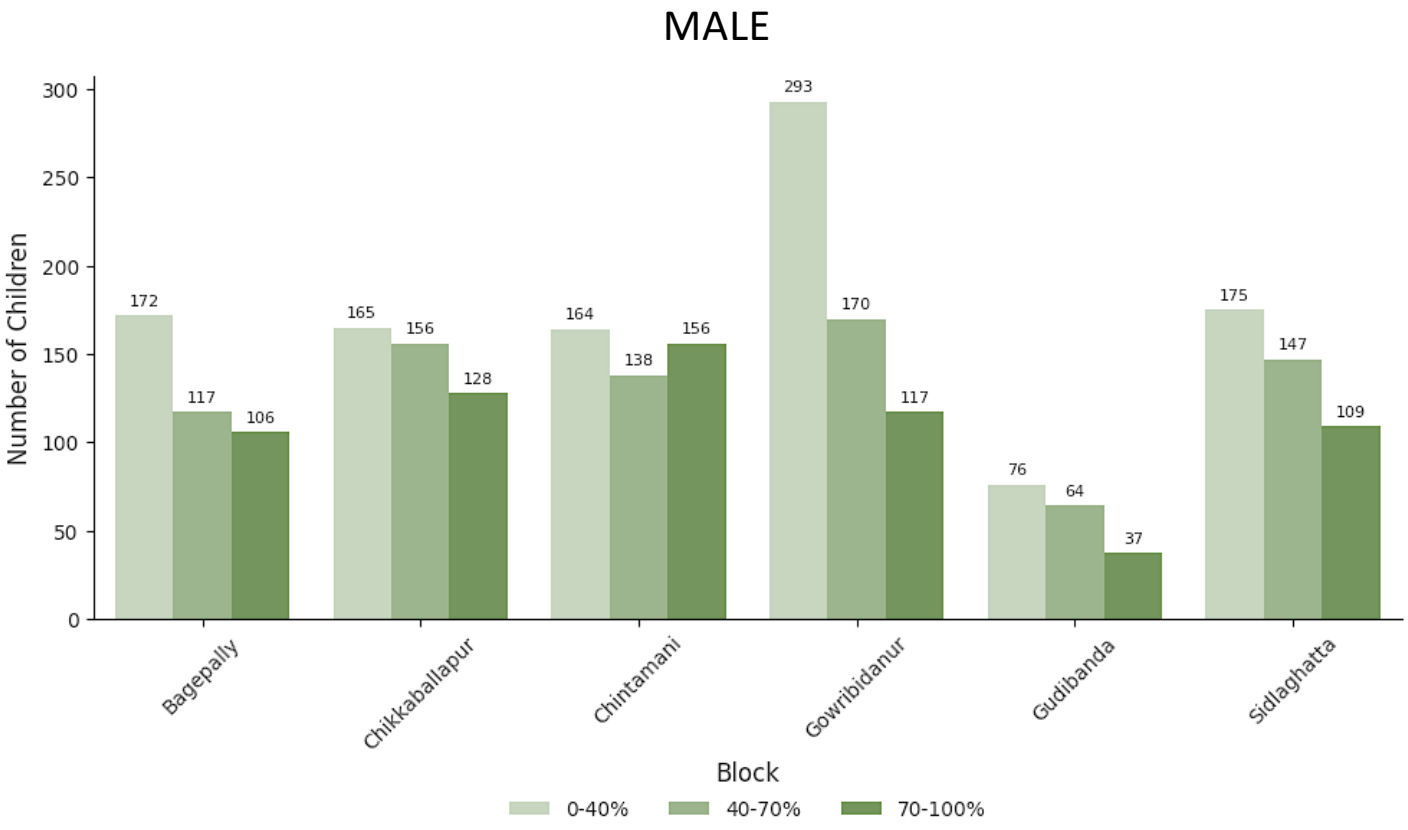
blocks

- Gowribidanur
- Gudibanda
- Bagepally

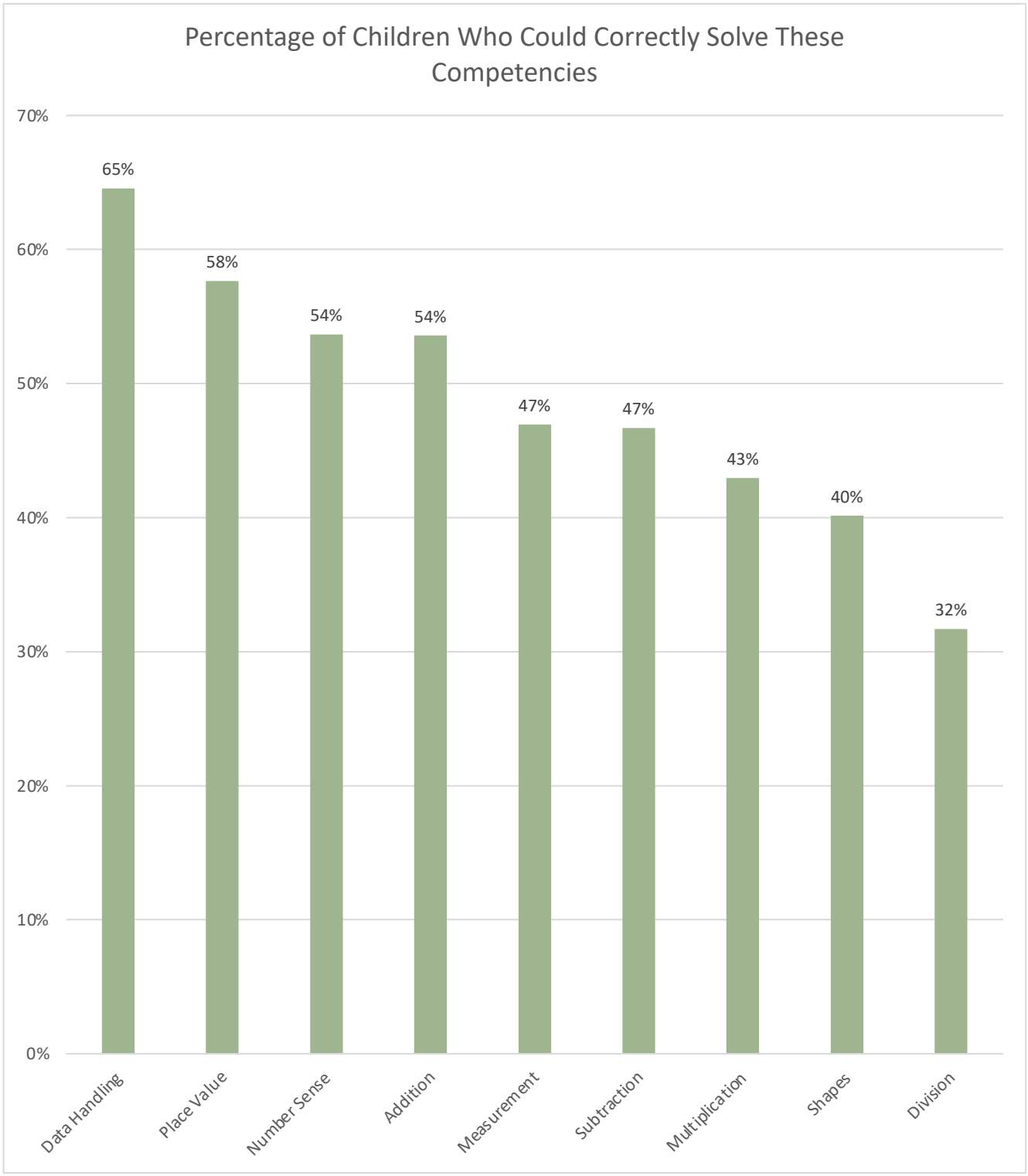
Grade 5

PERFORMANCE BY GENDER





Grade 5


Percentage of Children Who Could Correctly Solve These Competencies
70%
60%
50%
40%
30%
20%
10%
0%
65%
58%
54%
54%
47%
47%
43%
40%
32%
Data Handling
Place Value
Number Sense
Addition
Measurement
Subtraction
Multiplication
Shapes
Division

The

EASIEST

competencies

- Data Handling
- Place Value
- Number Sense

The

TOUGHER

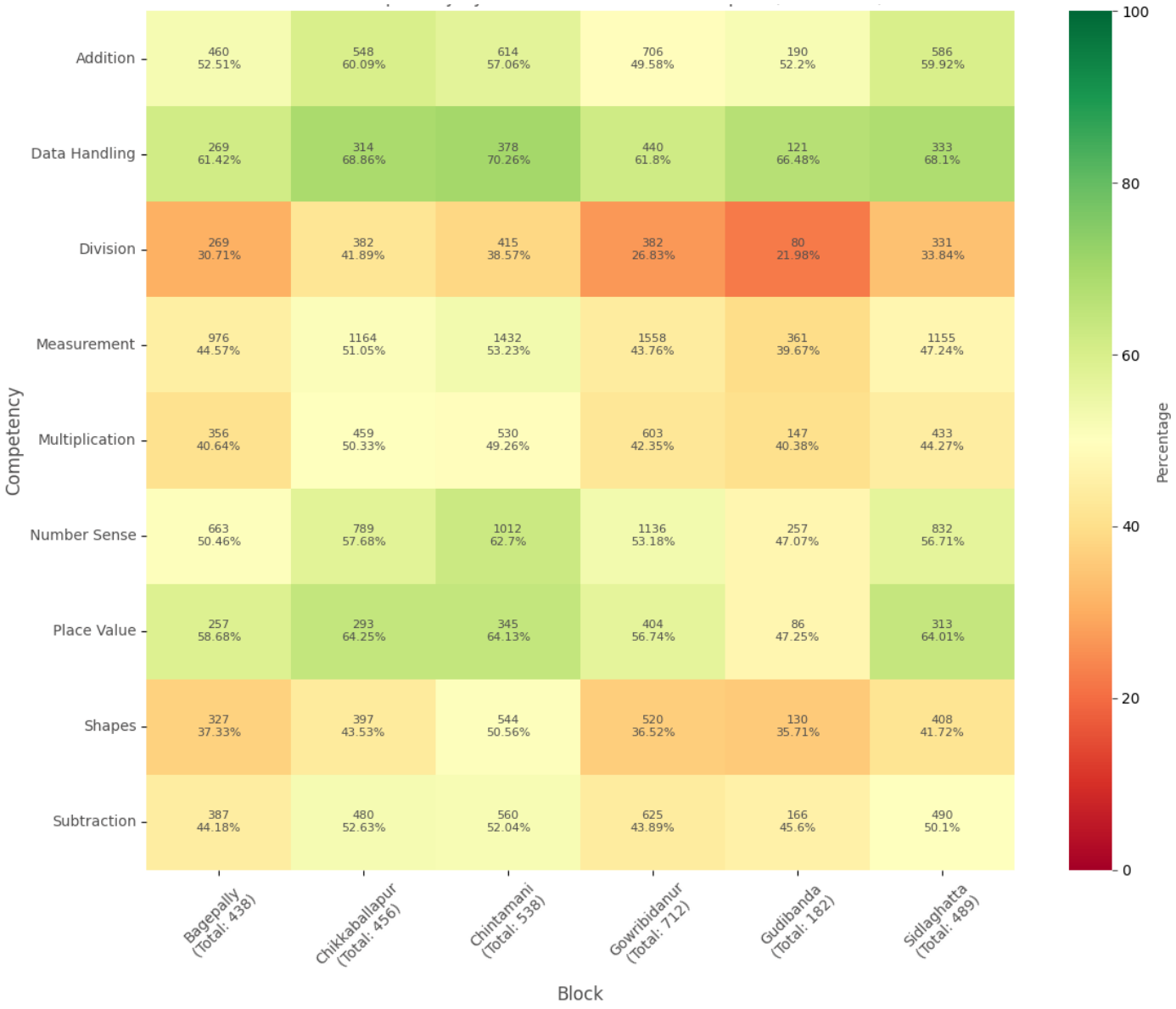
competencies

- Division
- Shapes
- Multiplication

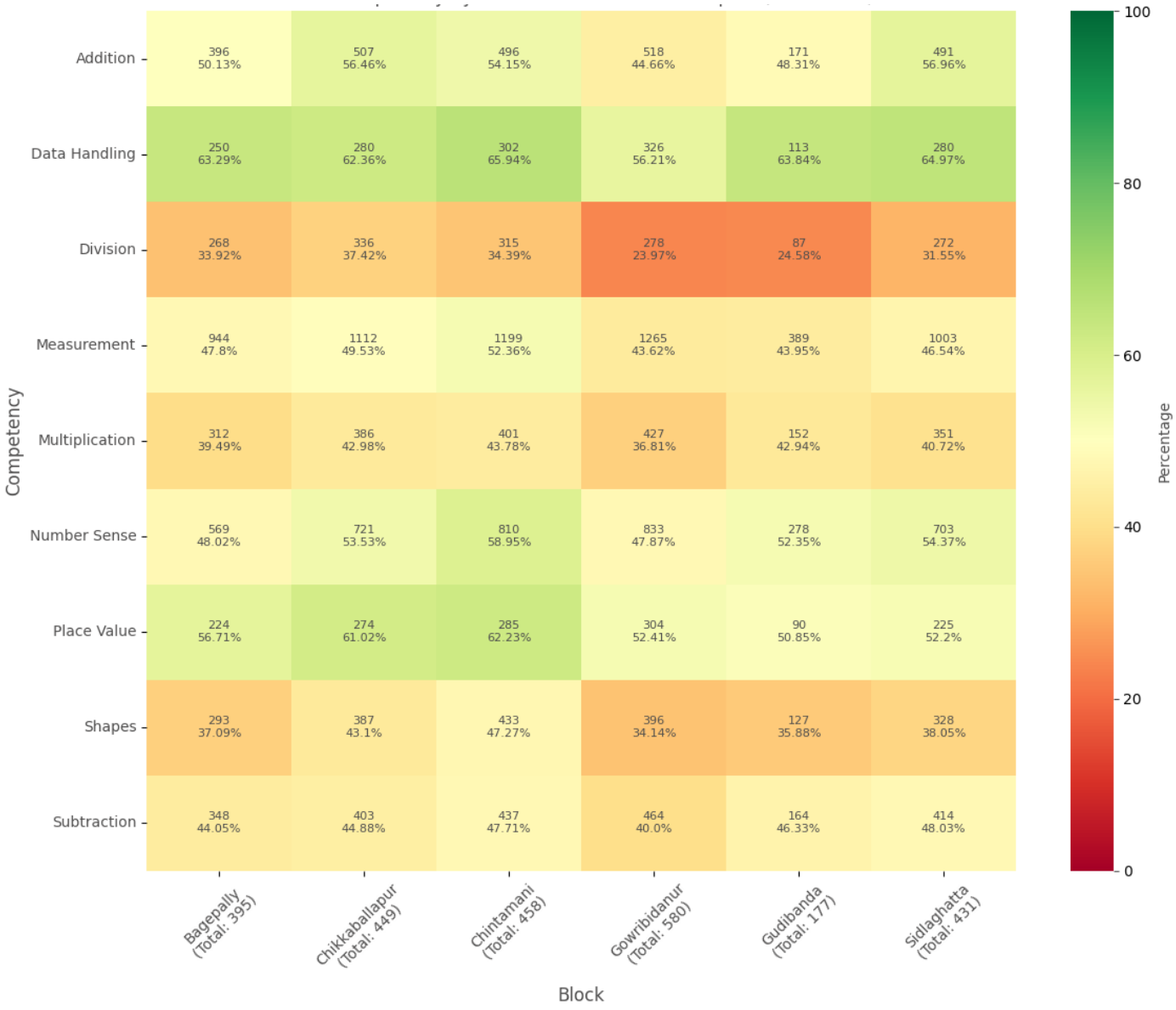
Grade 5

HEAT MAP OF OVERALL PERFORMANCE BY GENDER

FEMALE

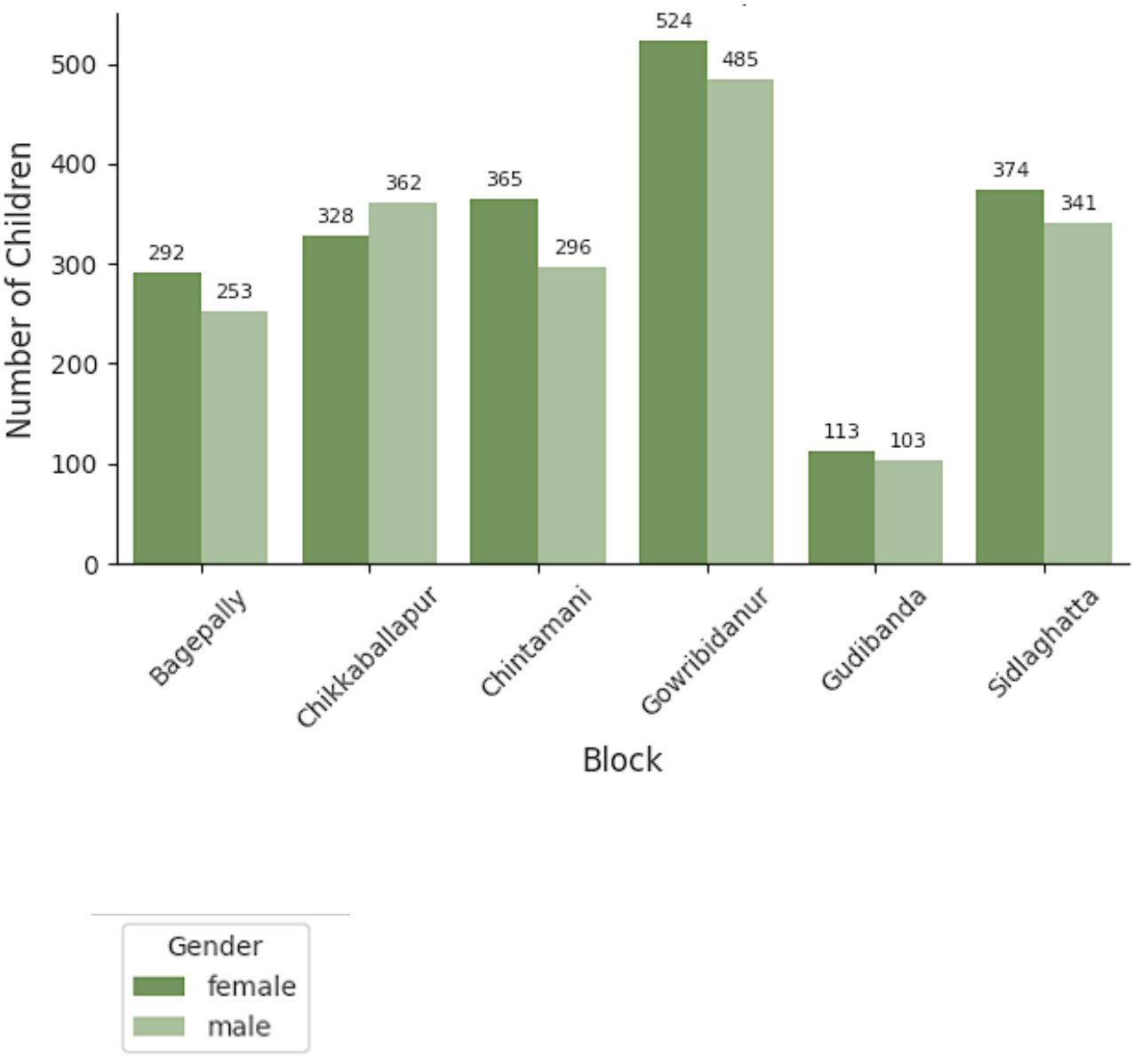


MALE

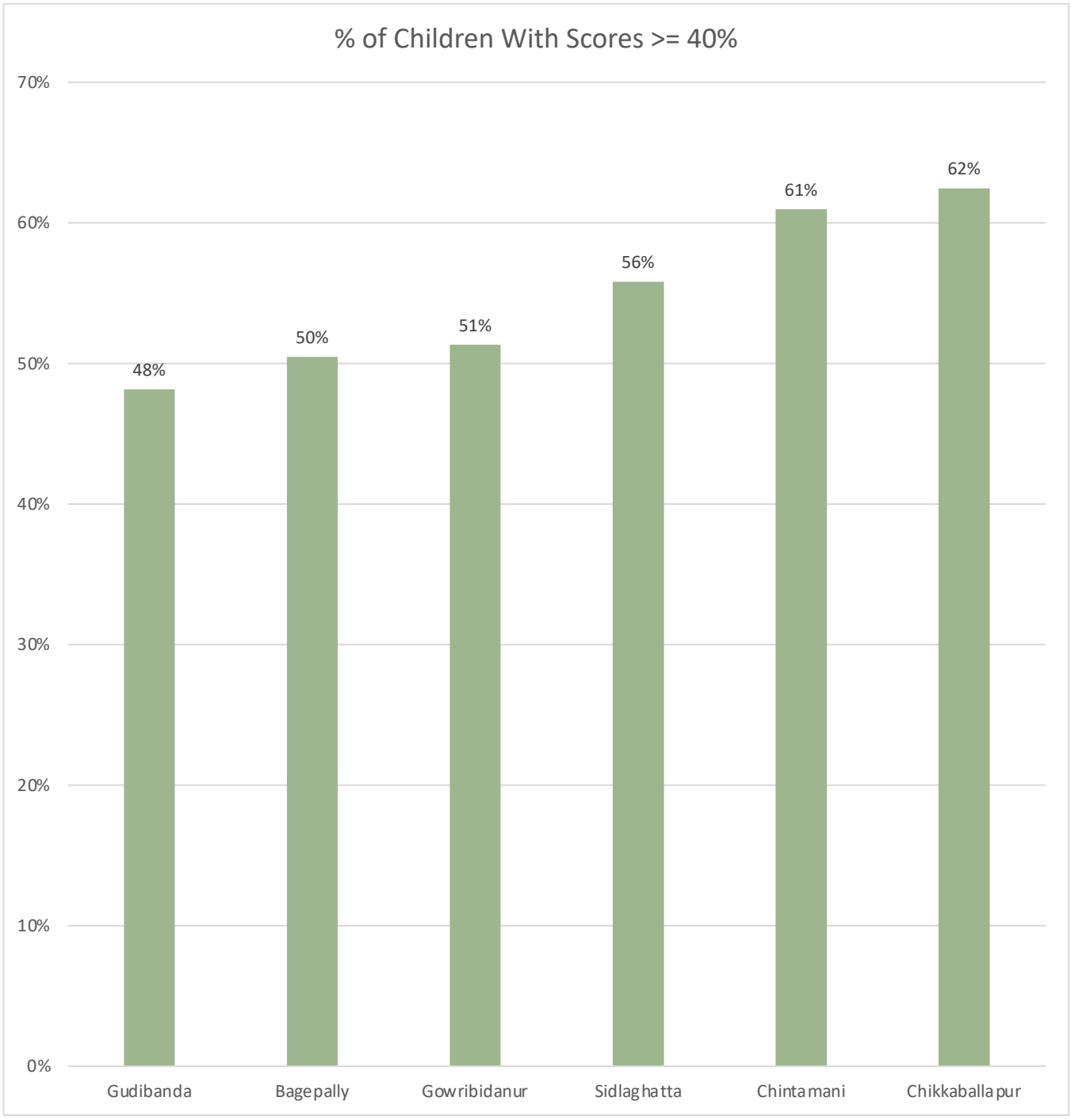

Competency
Addition
Data Handling
Division
Measurement
Multiplication
Number Sense
Place Value
Shapes
Subtraction
396 50.13%
507 56.46%
496 54.15%
518 44.66%
171 48.31%
491 56.96%
250 63.29%
280 62.36%
302 65.94%
326 56.21%
113 63.84%
280 64.97%
268 33.92%
336 37.42%
315 34.39%
278 23.97%
87 24.58%
272 31.55%
944 47.8%
1112 49.53%
1199 52.36%
1265 43.62%
389 43.95%
1003 46.54%
312 39.49%
386 42.98%
401 43.78%
427 36.81%
152 42.94%
351 40.72%
569 48.02%
721 53.53%
810 58.95%
833 47.87%
278 52.35%
703 54.37%
224 56.71%
274 61.02%
285 62.23%
304 52.41%
90 50.85%
225 52.2%
293 37.09%
387 43.1%
433 47.27%
396 34.14%
127 35.88%
328 38.05%
348 44.05%
403 44.88%
437 47.71%
464 40.0%
164 46.33%
414 48.03%
Bagepally (Total: 395)
Chikkaballapur (Total: 449)
Chintamani (Total: 458)
Gowribidanur (Total: 580)
Gudibanda (Total: 177)
Sidlaghatta (Total: 431)
Block
Percentage
100
80
60
40
20
0

Grade 6

Participation by **GENDER**



Grade 6


% of Children With Scores >= 40%
70%
60%
50%
40%
30%
20%
10%
0%
48%
50%
51%
56%
61%
62%
Gudibanda
Bagepally
Gowribidanur
Sidlaghatta
Chintamani
Chikkaballapur

The

TOP PERFORMING

blocks

- Chikkaballapur
- Chintamani
- Sidlaghatta

The

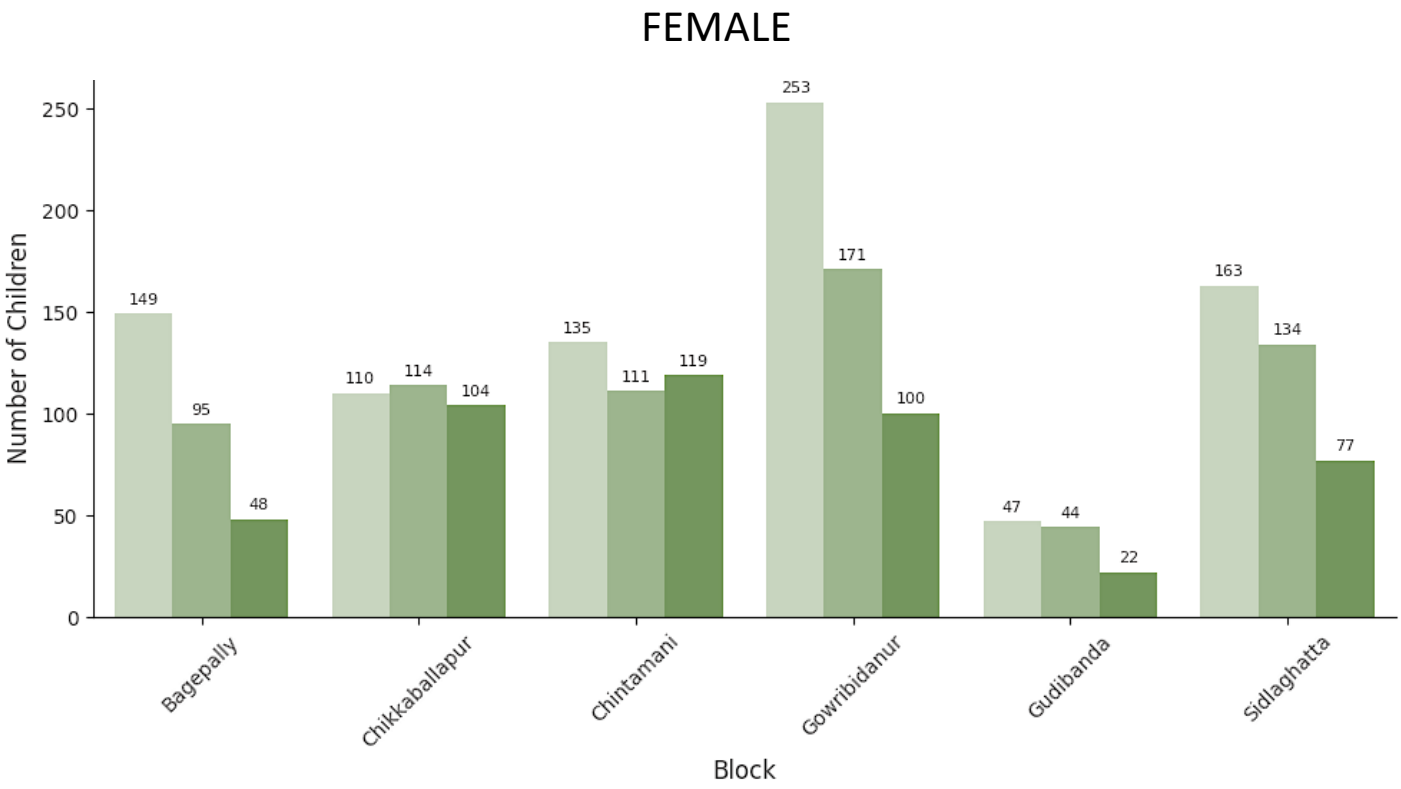
BOTTOM PERFORMING

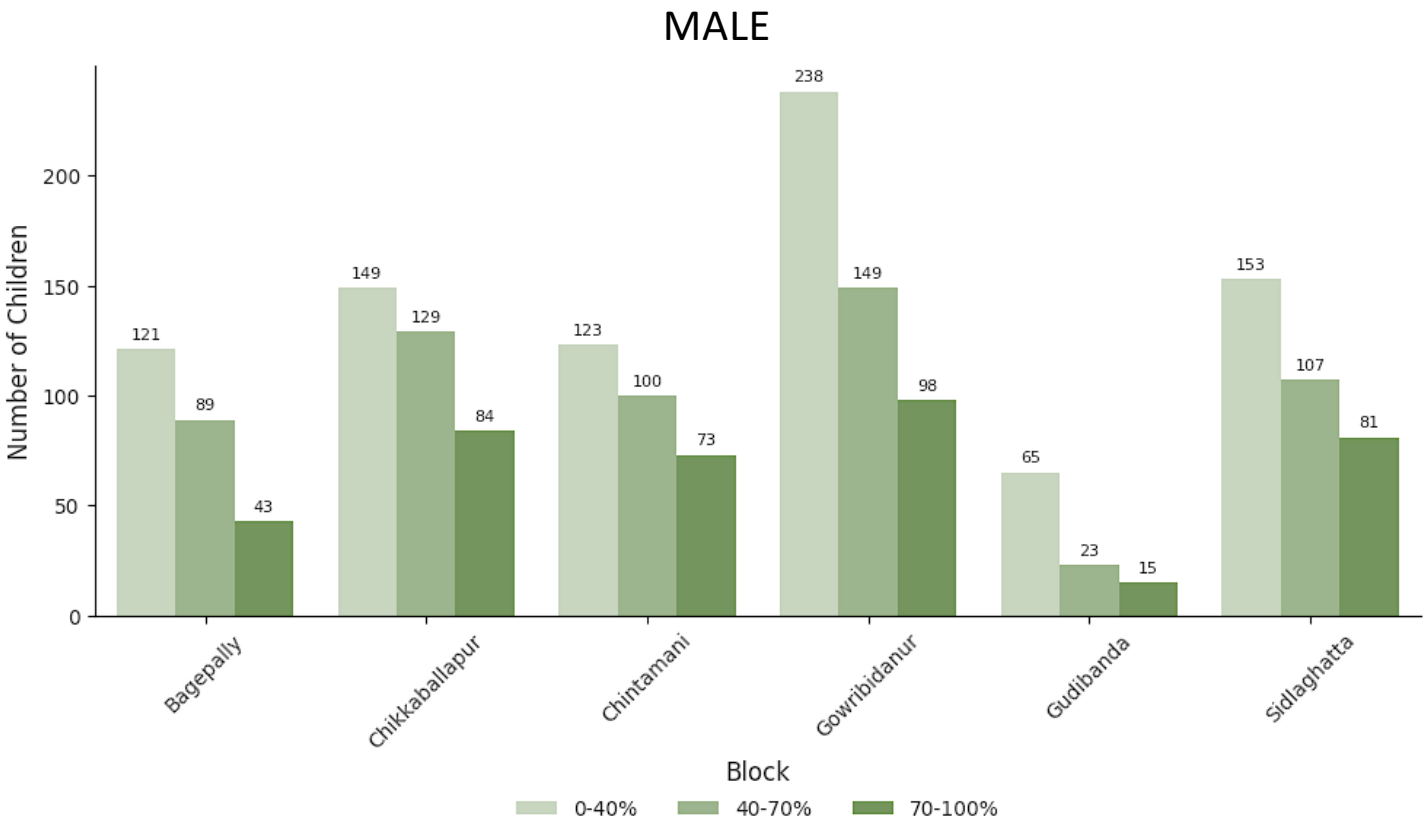
blocks

- Gudibanda
- Bagepally
- Gowribidanur

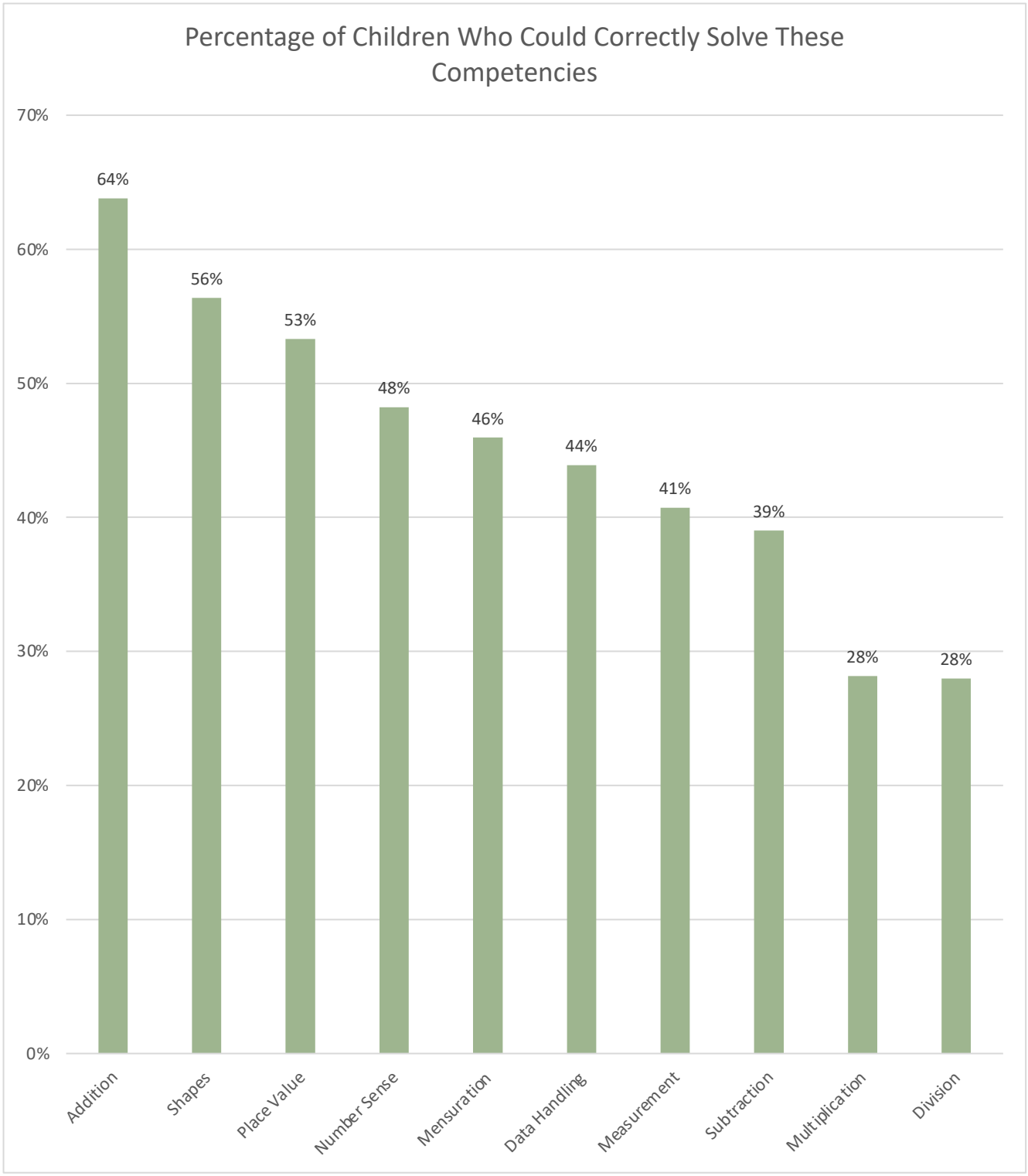
Grade 6

PERFORMANCE BY GENDER





Grade 6


Percentage of Children Who Could Correctly Solve These Competencies
70%
60%
50%
40%
30%
20%
10%
0%
64%
56%
53%
48%
46%
44%
41%
39%
28%
28%
Addition
Shapes
Place Value
Number Sense
Mensuration
Data Handling
Measurement
Subtraction
Multiplication
Division

The

EASIEST

competencies

- Addition
- Shapes
- Place Value

The

TOUGHER

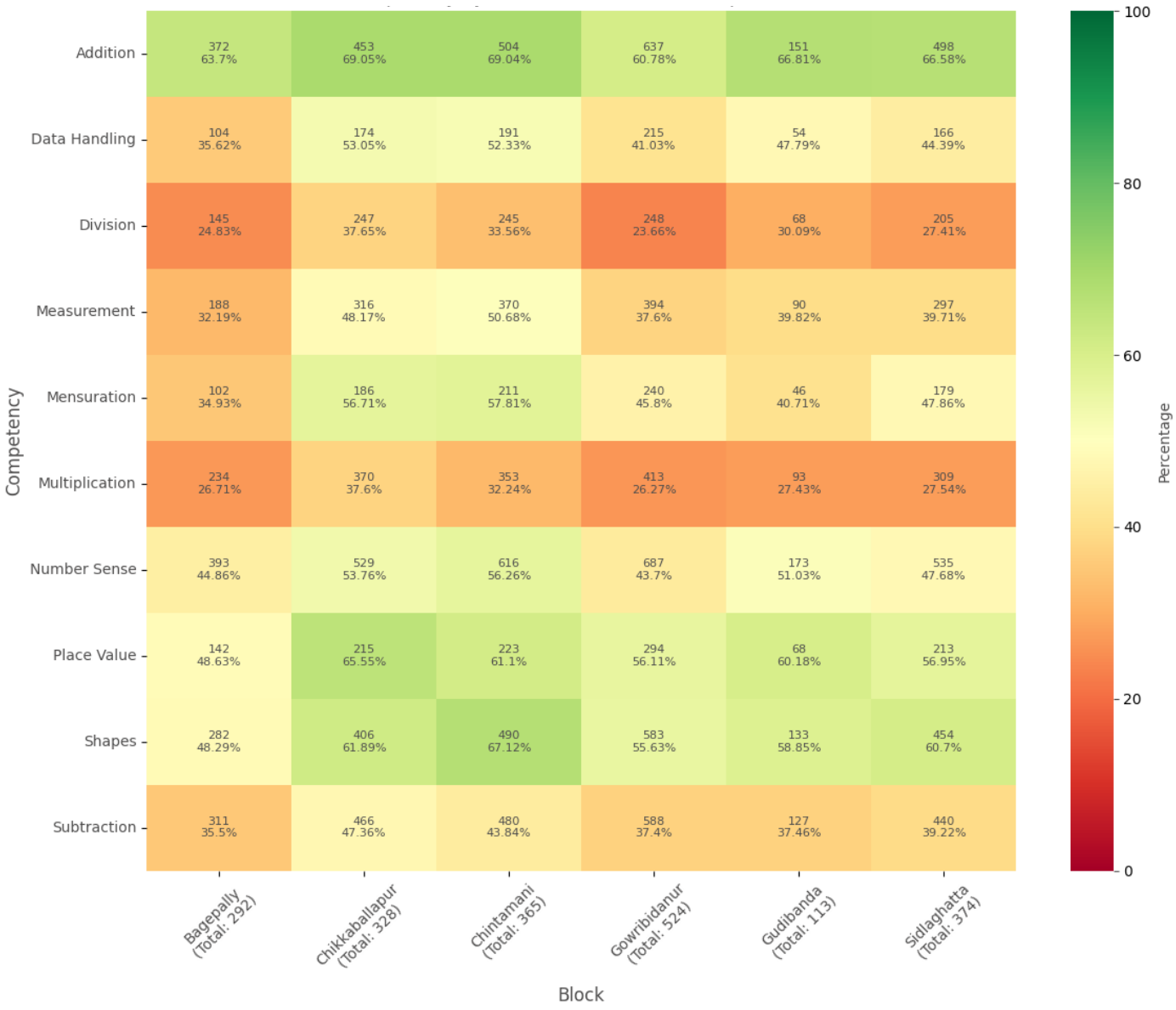
competencies

- Division
- Multiplication
- Subtraction

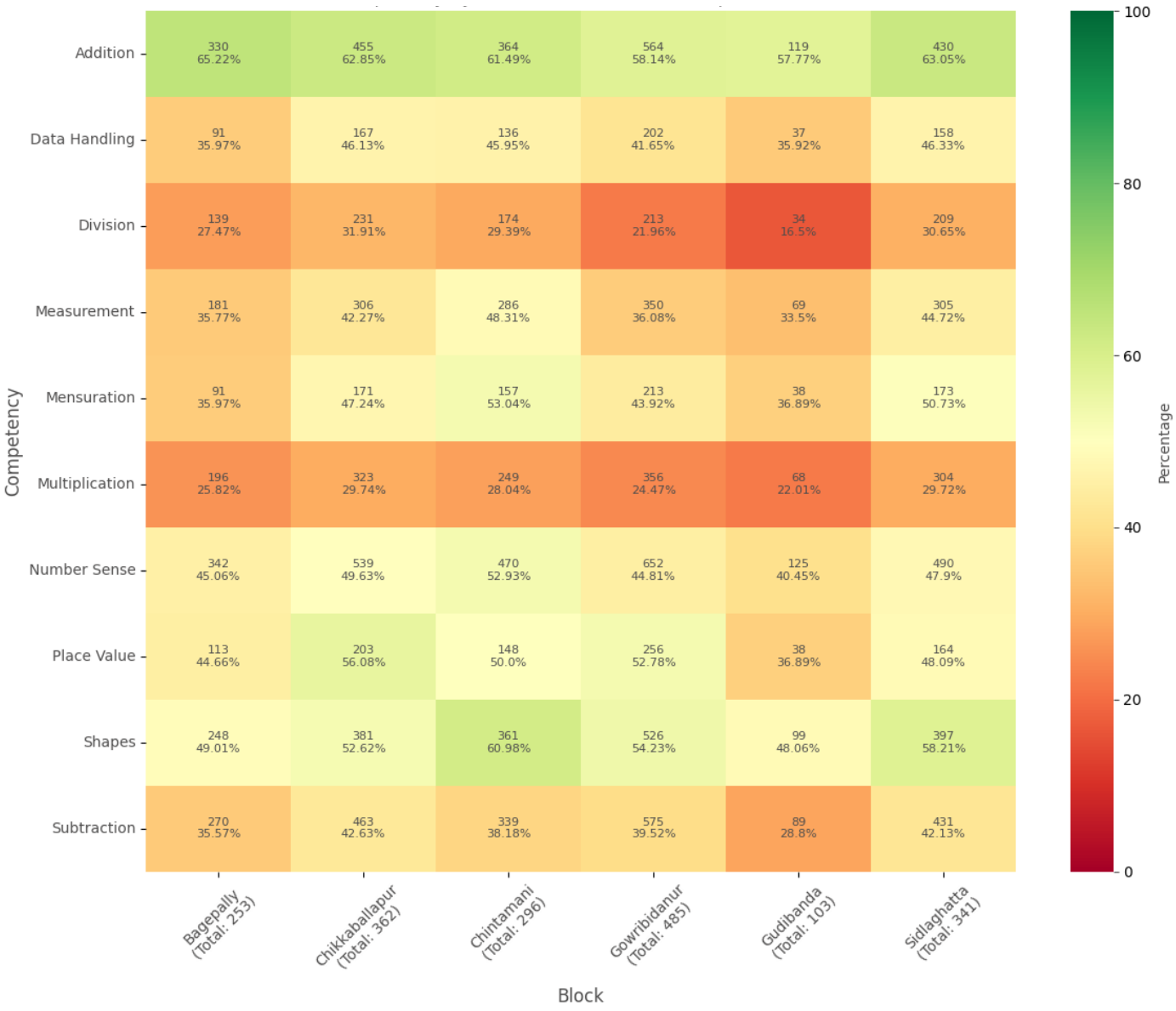
Grade 6

HEAT MAP OF OVERALL PERFORMANCE BY GENDER

FEMALE



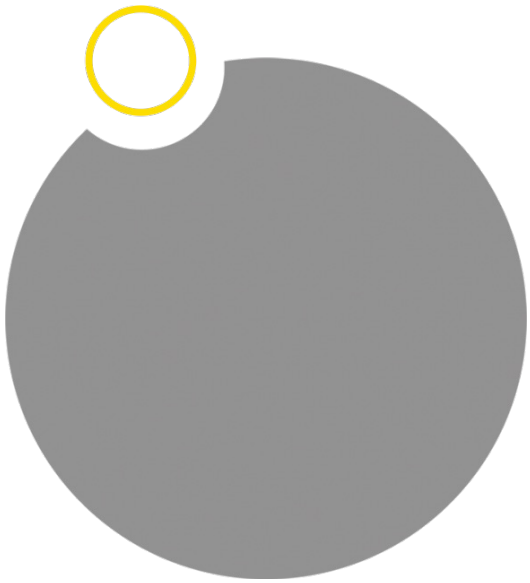
MALE

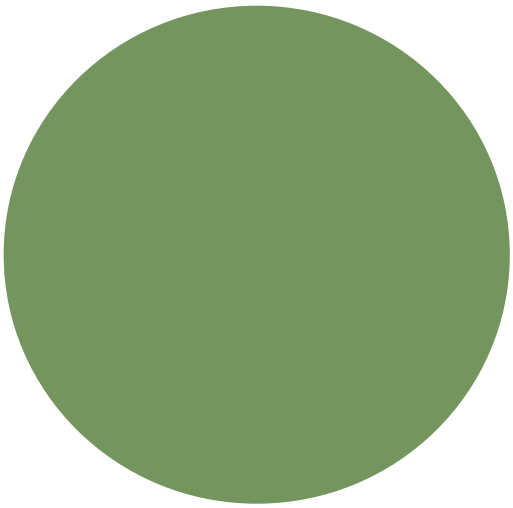

Competency
Addition
Data Handling
Division
Measurement
Mensuration
Multiplication
Number Sense
Place Value
Shapes
Subtraction
330 65.22%
455 62.85%
364 61.49%
564 58.14%
119 57.77%
430 63.05%
91 35.97%
167 46.13%
136 45.95%
202 41.65%
37 35.92%
158 46.33%
139 27.47%
231 31.91%
174 29.39%
213 21.96%
34 16.5%
209 30.65%
181 35.77%
306 42.27%
286 48.31%
350 36.08%
69 33.5%
305 44.72%
91 35.97%
171 47.24%
157 53.04%
213 43.92%
38 36.89%
173 50.73%
196 25.82%
323 29.74%
249 28.04%
356 24.47%
68 22.01%
304 29.72%
342 45.06%
539 49.63%
470 52.93%
652 44.81%
125 40.45%
490 47.9%
113 44.66%
203 56.08%
148 50.0%
256 52.78%
38 36.89%
164 48.09%
248 49.01%
381 52.62%
361 60.98%
526 54.23%
99 48.06%
397 58.21%
270 35.57%
463 42.63%
339 38.18%
575 39.52%
89 28.8%
431 42.13%
Bagepally (Total: 253)
Chikkaballapur (Total: 362)
Chintamani (Total: 296)
Gowribidanur (Total: 485)
Gudibanda (Total: 103)
Sidlaghatta (Total: 341)
Block
Percentage
100
80
60
40
20
0

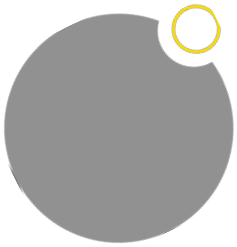
Acknowledgements

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







Akshara Foundation

EVERY CHILD IN SCHOOL AND LEARNING WELL

No. 621, 5th Main Road,

OMBR Layout, Banaswadi,

Bengaluru 560 043

akshara.org.in