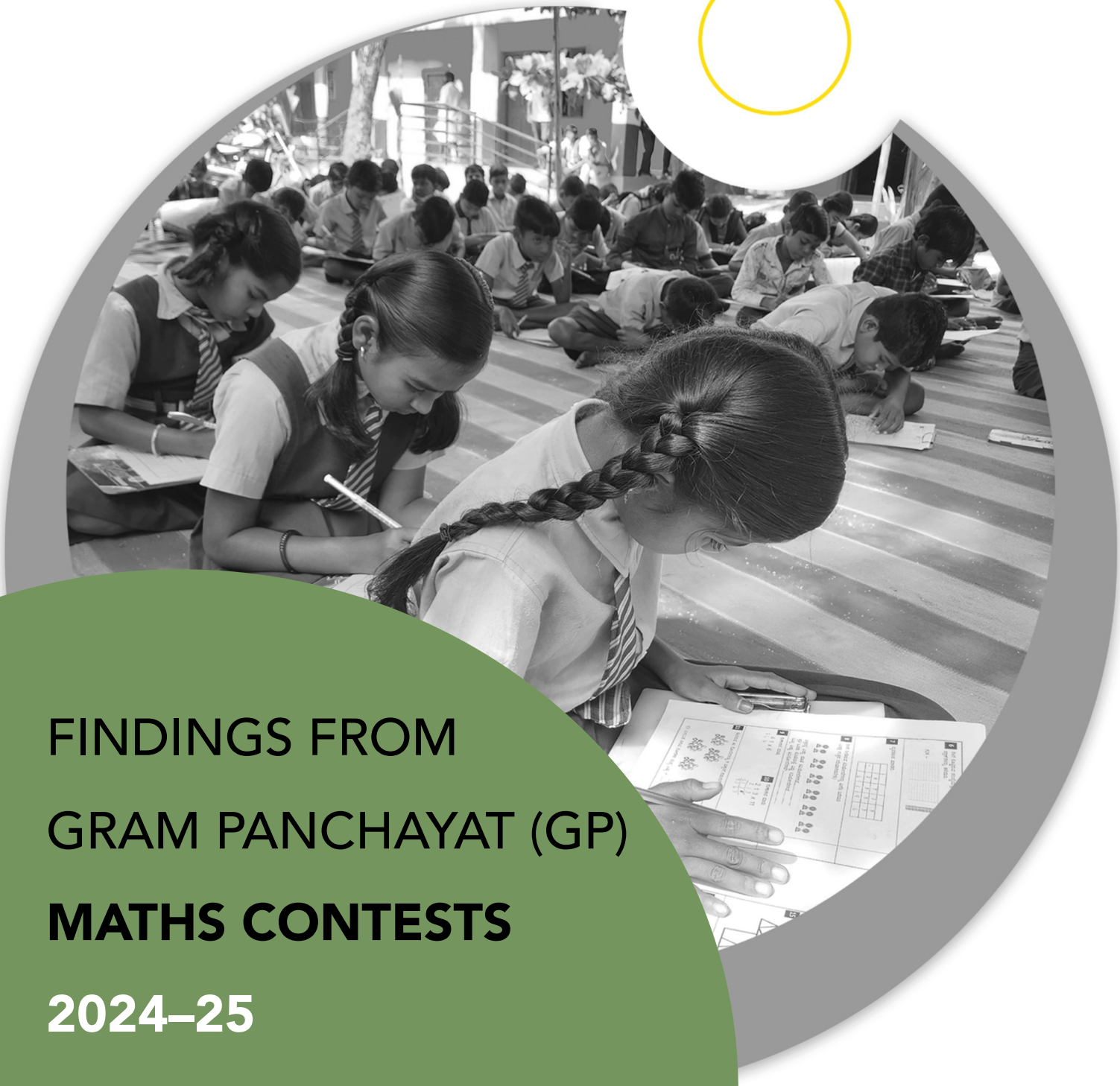
Akshara Foundation

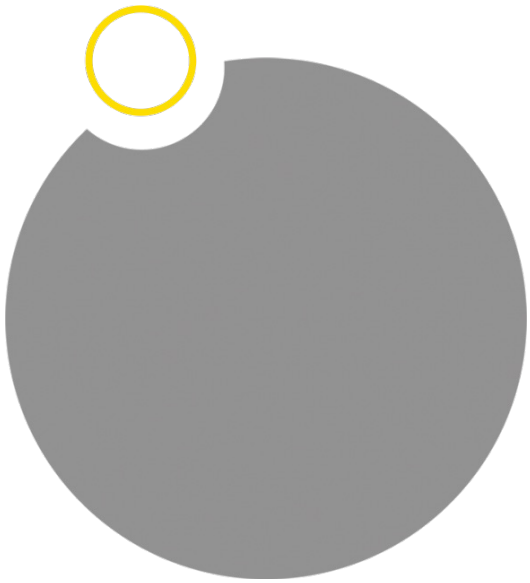
EVERY CHILD IN SCHOOL AND LEARNING WELL



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

India's Biggest Community-led Maths Contests

– HASSAN DISTRICT – KARNATAKA



On September 23, 2024, Akshara Foundation facilitated maths contests for children in grades 4 to 6 across

259 Gram Panchayats

In Hassan District of Karnataka.

The initiative engaged around

20,200 children

from 1,818 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

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

Impressive Attendance

20,228 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		Alur	15	118	410	403	313	21	362
2		Arakalagudu	35	247	1,113	1,190	933	62	411
3	Hassan	Arasikere	41	282	1295	1,142	1,035	75	544
4		Belur	39	244	994	962	868	64	528
5		Channarayapatna	41	308	972	994	816	76	534
6		Hassan	37	272	897	932	829	64	547
7		Holenarasipura	25	211	852	952	717	44	348
8		Sakaleshapura	26	136	583	571	455	39	314
		Total	**259**	**1,818**	**7,116**	**7,146**	**5,966**	**445**	**3,588**

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.

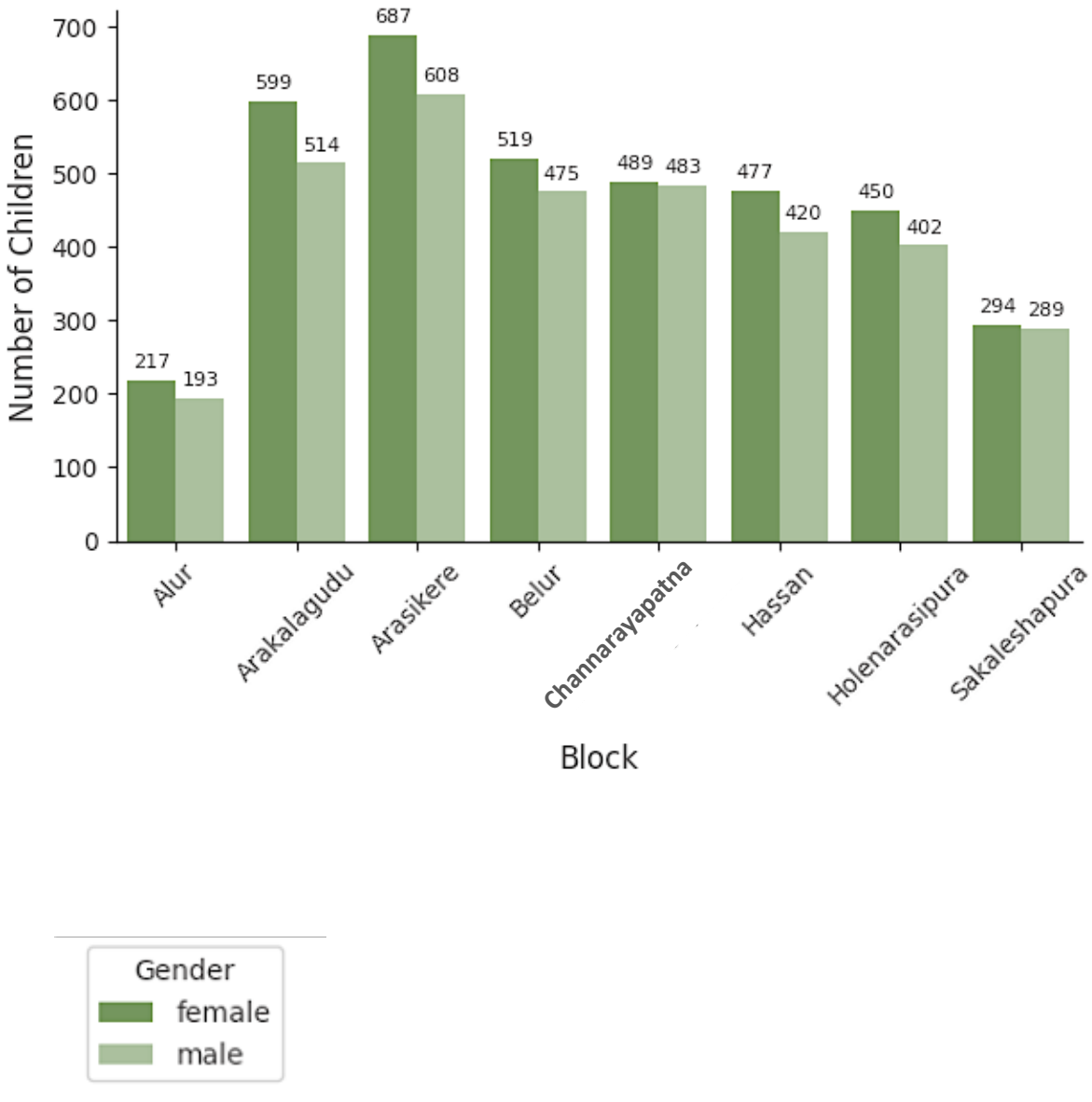
Community Involvement

259 Gram Panchayats enthusiastically engaged in organising the contests.

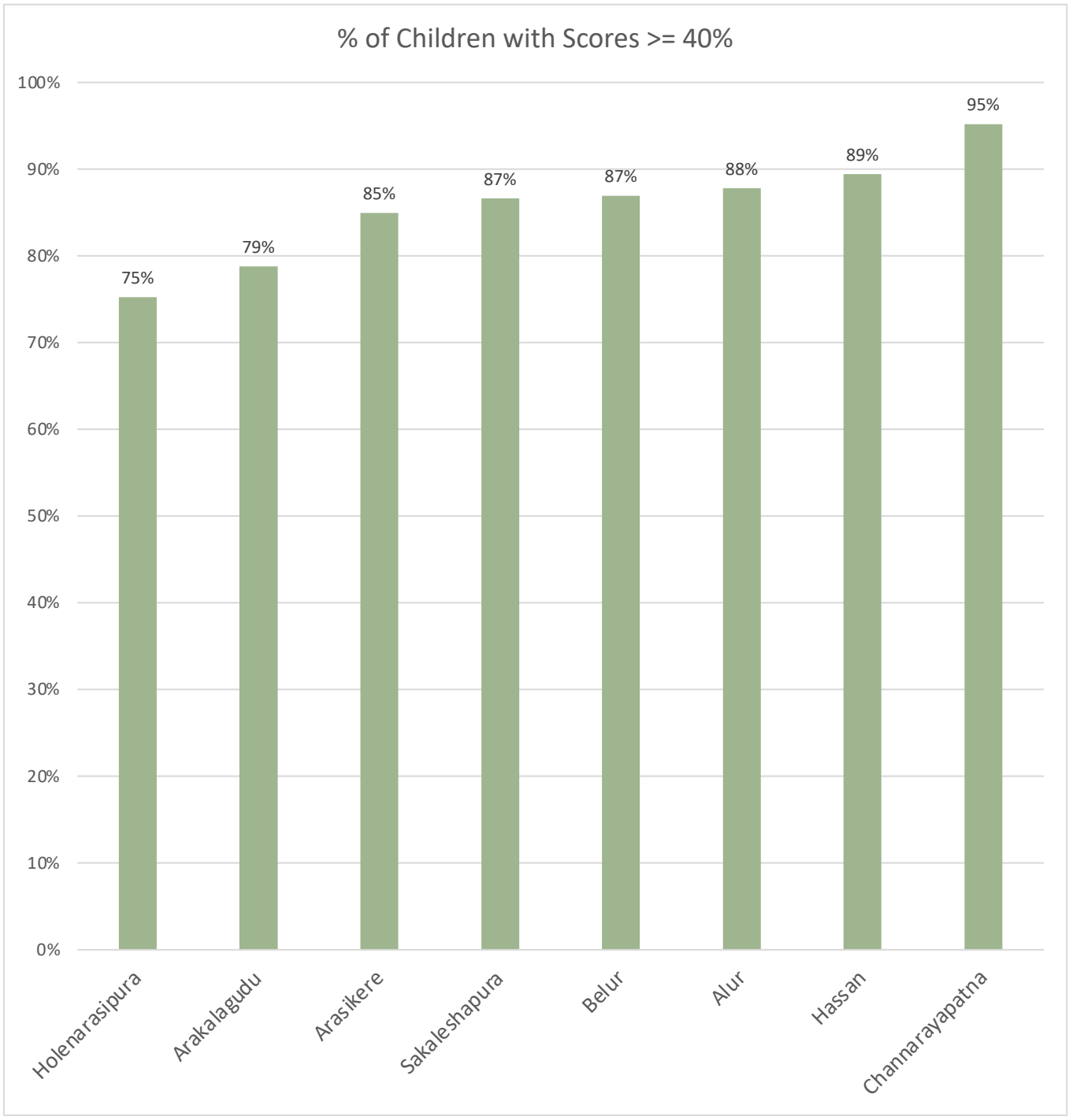
And we found...

Grade 4

Participation by **GENDER**



Grade 4


% of Children with Scores >= 40%
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
75%
79%
85%
87%
87%
88%
89%
95%
Holenarasipura
Arakalagudu
Arasikere
Sakaleshapura
Belur
Alur
Hassan
Channarayapatna

The

TOP PERFORMING

blocks

- Channarayapatna
- Hassan
- Alur
- Belur
- Sakaleshapura
- Arasikere

The

BOTTOM PERFORMING

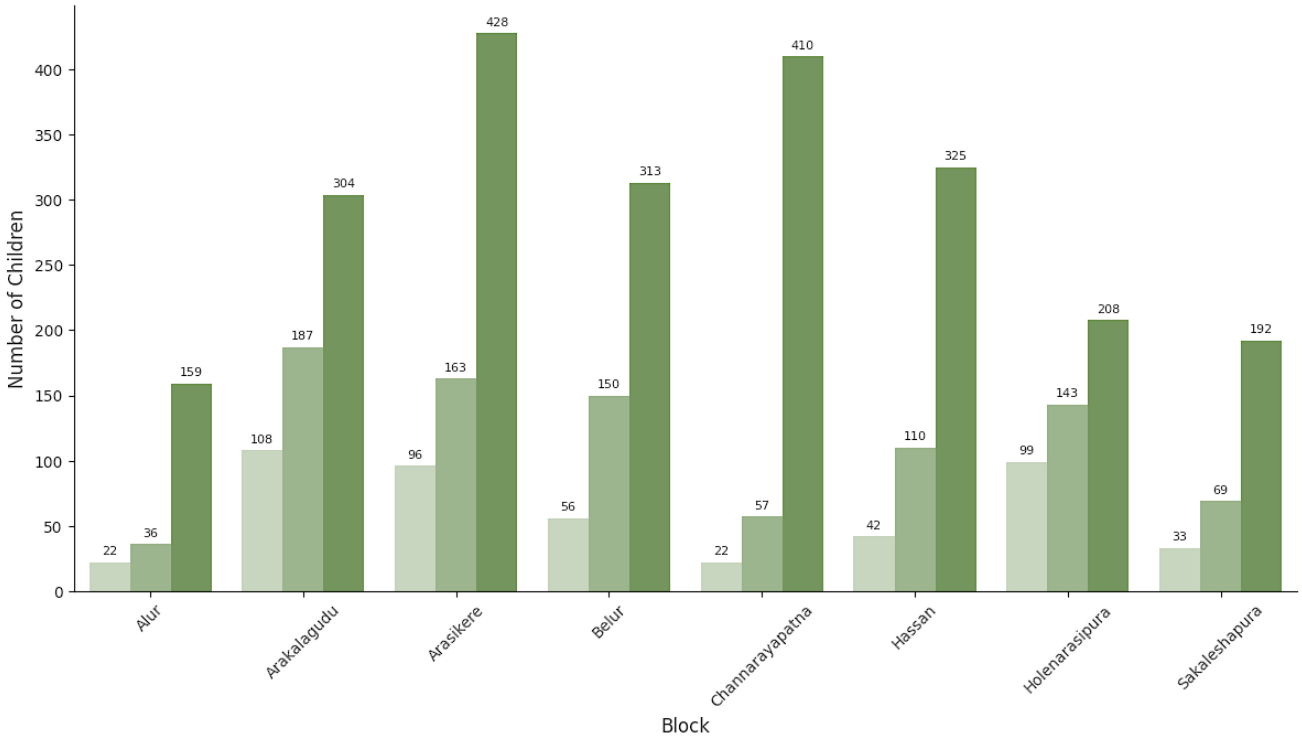
blocks

- Holenarasipura
- Arakalagudu

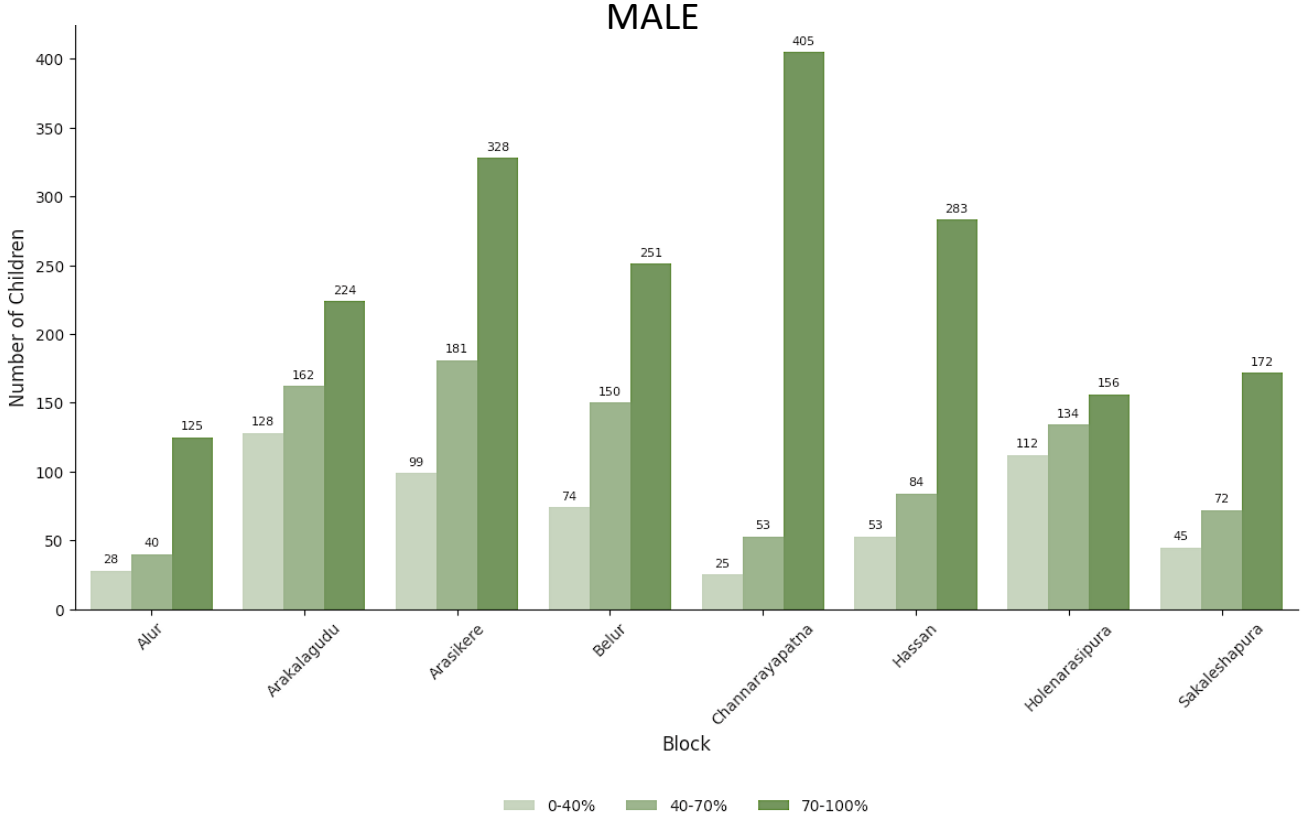
Grade 4

PERFORMANCE BY GENDER

FEMALE

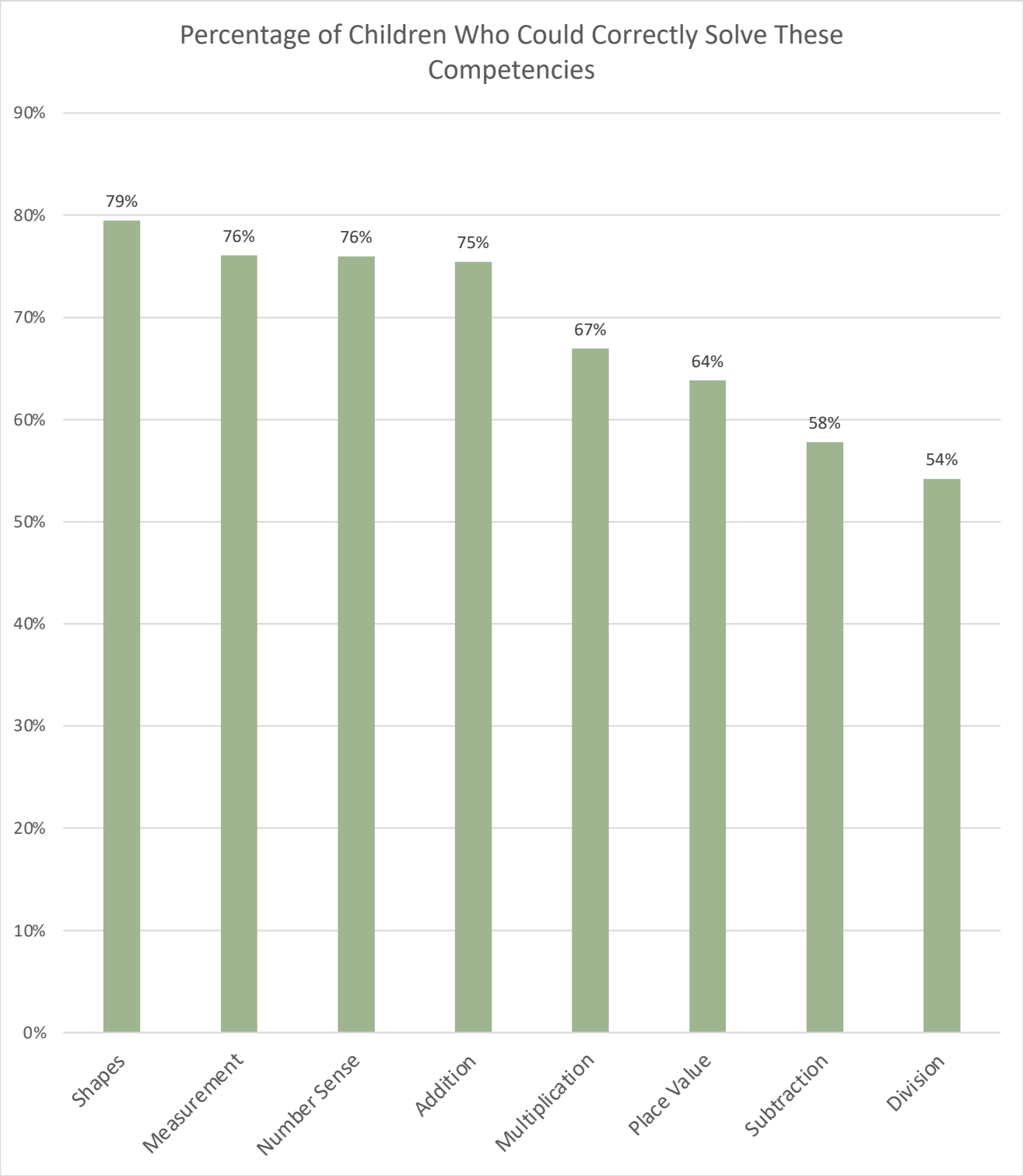


MALE



WHITE BOARD

Grade 4


Percentage of Children Who Could Correctly Solve These Competencies
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
79%
76%
76%
75%
67%
64%
58%
54%
Shapes
Measurement
Number Sense
Addition
Multiplication
Place Value
Subtraction
Division

The

EASIEST

competencies

- Shapes
- Measurement
- Number Sense

The

TOUGHER

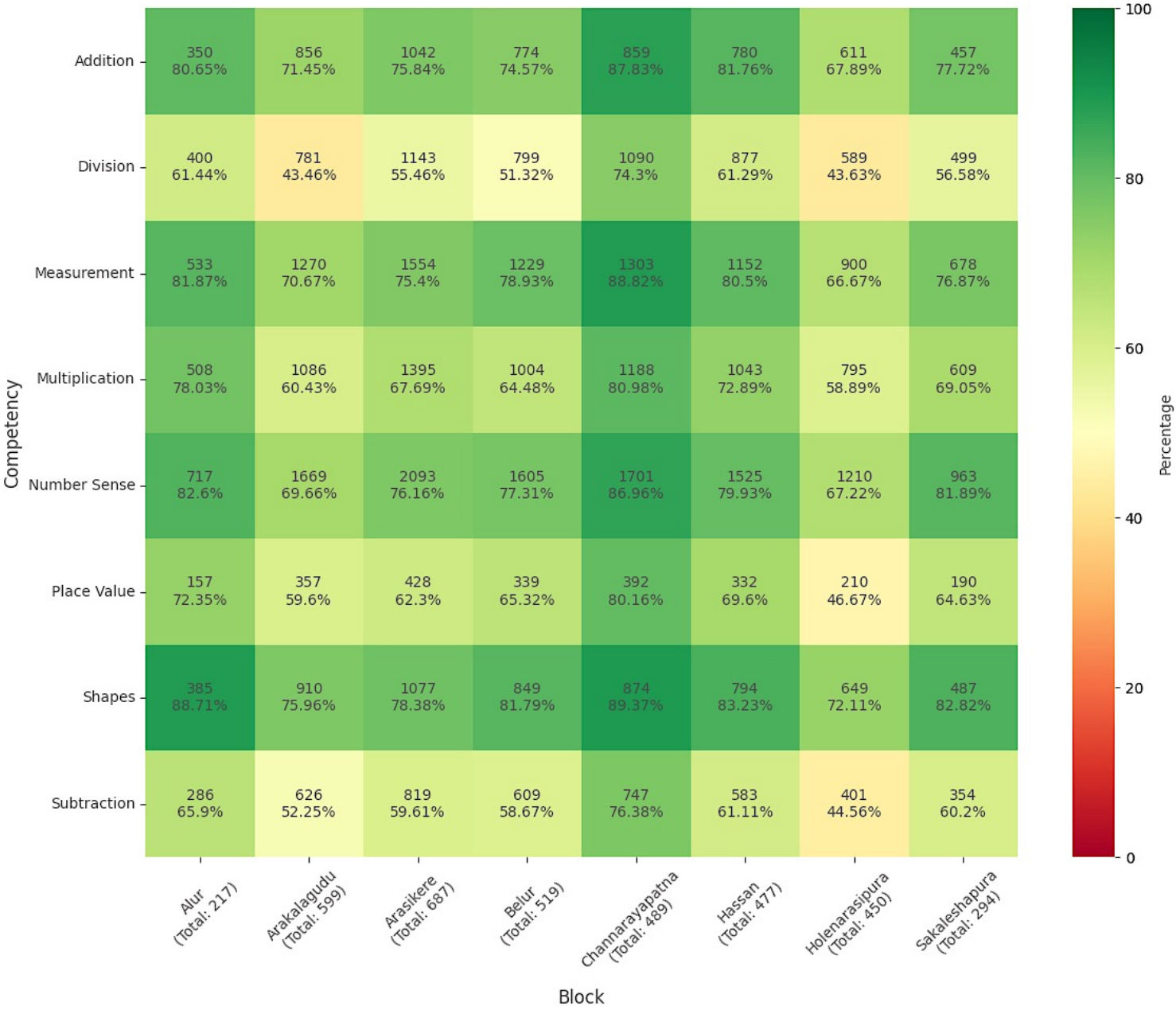
competencies

- Division
- Subtraction
- Place value

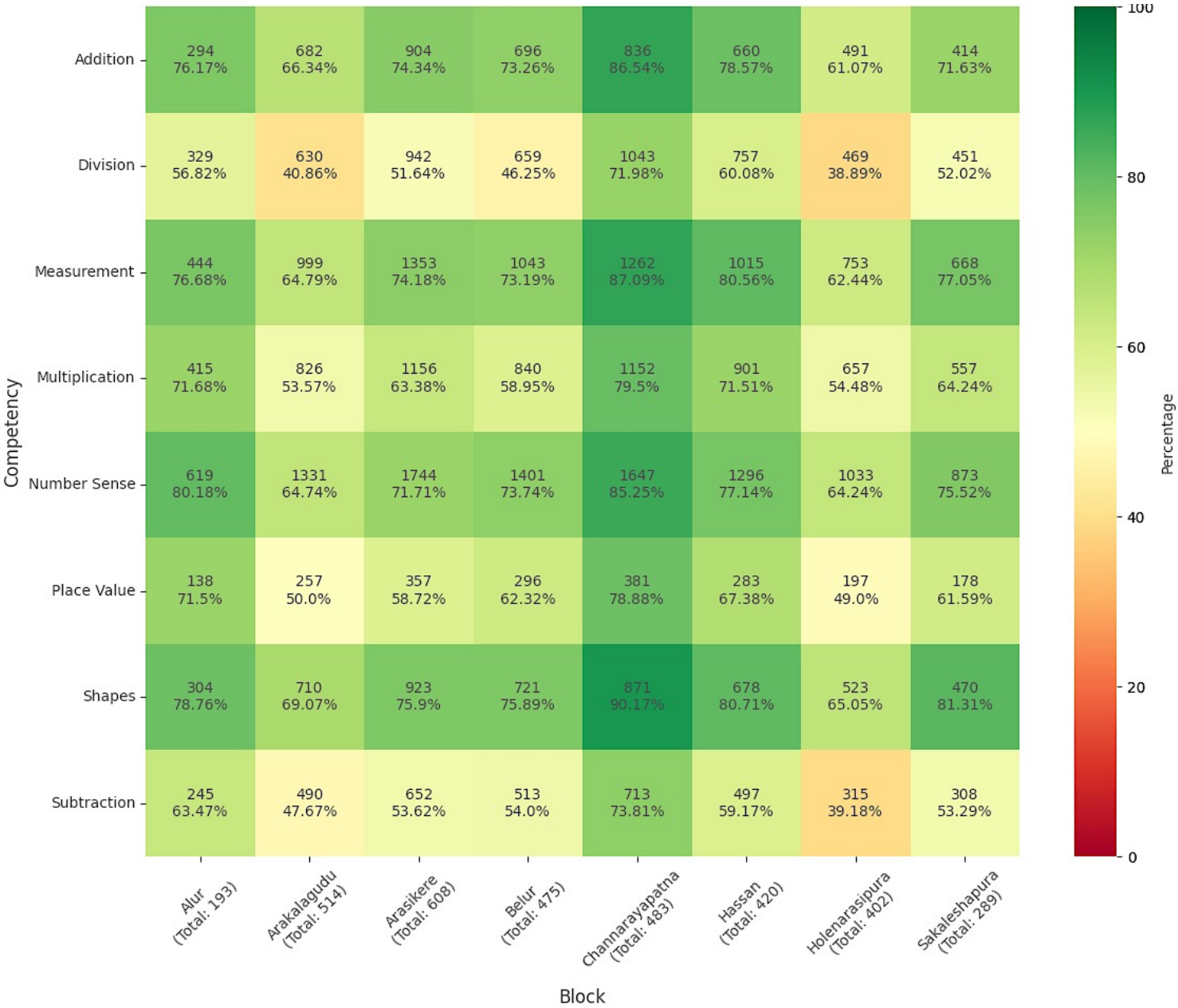
Grade 4

HEAT MAP OF OVERALL PERFORMANCE BY GENDER

FEMALE

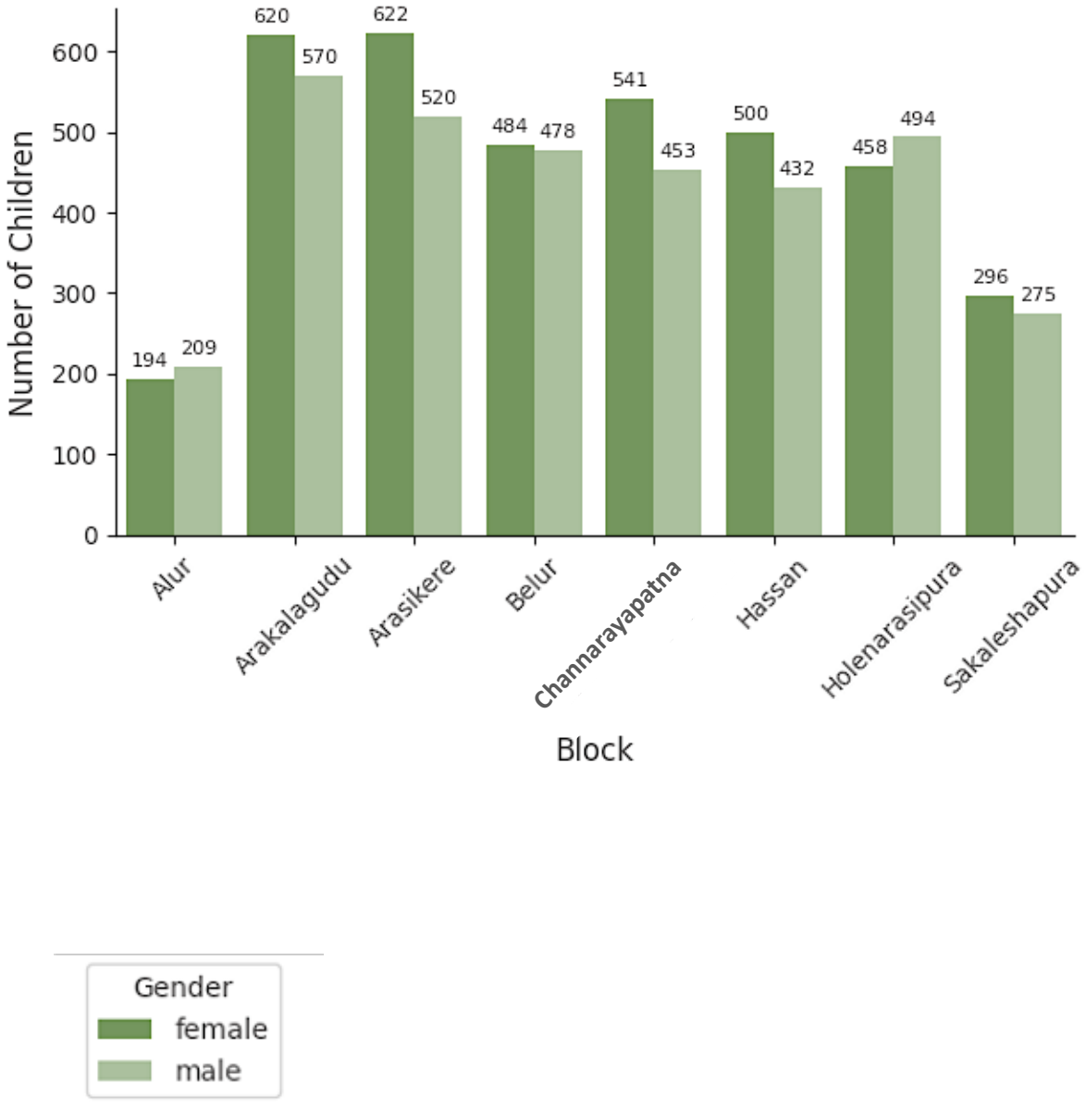


MALE

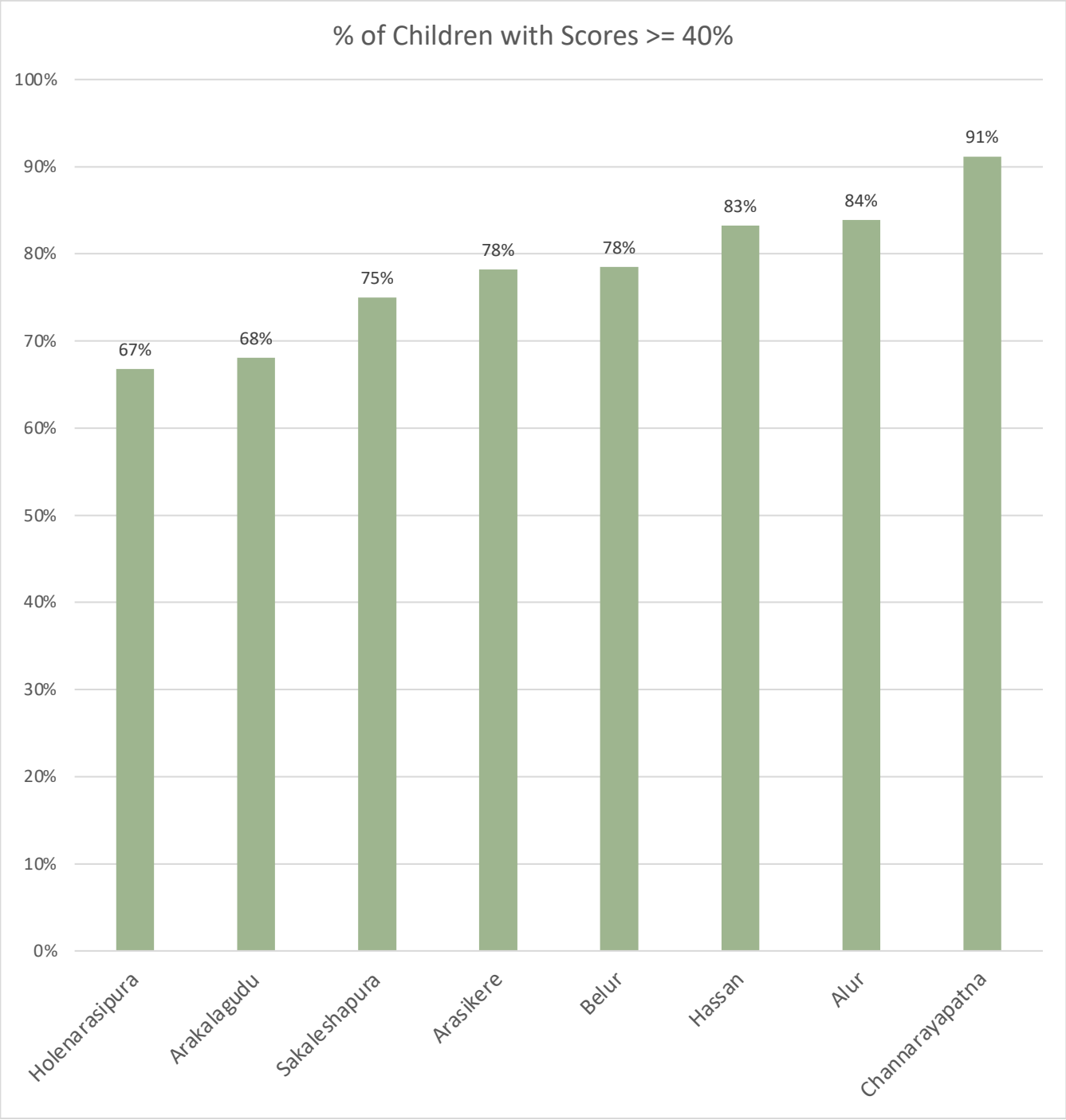

Competency
Addition
Division
Measurement
Multiplication
Number Sense
Place Value
Shapes
Subtraction
294 76.17%
682 66.34%
904 74.34%
696 73.26%
836 86.54%
660 78.57%
491 61.07%
414 71.63%
329 56.82%
630 40.86%
942 51.64%
659 46.25%
1043 71.98%
757 60.08%
469 38.89%
451 52.02%
444 76.68%
999 64.79%
1353 74.18%
1043 73.19%
1262 87.09%
1015 80.56%
753 62.44%
668 77.05%
415 71.68%
826 53.57%
1156 63.38%
840 58.95%
1152 79.5%
901 71.51%
657 54.48%
557 64.24%
619 80.18%
1331 64.74%
1744 71.71%
1401 73.74%
1647 85.25%
1296 77.14%
1033 64.24%
873 75.52%
138 71.5%
257 50.0%
357 58.72%
296 62.32%
381 78.88%
283 67.38%
197 49.0%
178 61.59%
304 78.76%
710 69.07%
923 75.9%
721 75.89%
871 90.17%
678 80.71%
523 65.05%
470 81.31%
245 63.47%
490 47.67%
652 53.62%
513 54.0%
713 73.81%
497 59.17%
315 39.18%
308 53.29%
Alur (Total: 193)
Arakalagudu (Total: 514)
Arasikere (Total: 608)
Belur (Total: 475)
Channarayapatna (Total: 483)
Hassan (Total: 420)
Holenarasipura (Total: 402)
Sakaleshapura (Total: 289)
Block
Percentage
100
80
60
40
20
0

Grade 5

Participation by **GENDER**



Grade 5


% of Children with Scores >= 40%
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
67%
68%
75%
78%
78%
83%
84%
91%
Holenarasipura
Arakalagudu
Sakaleshapura
Arasikere
Belur
Hassan
Alur
Channarayapatna

The

TOP PERFORMING

blocks

- Channarayapatna
- Alur
- Hassan
- Belur
- Arasikere
- Sakaleshapura

The

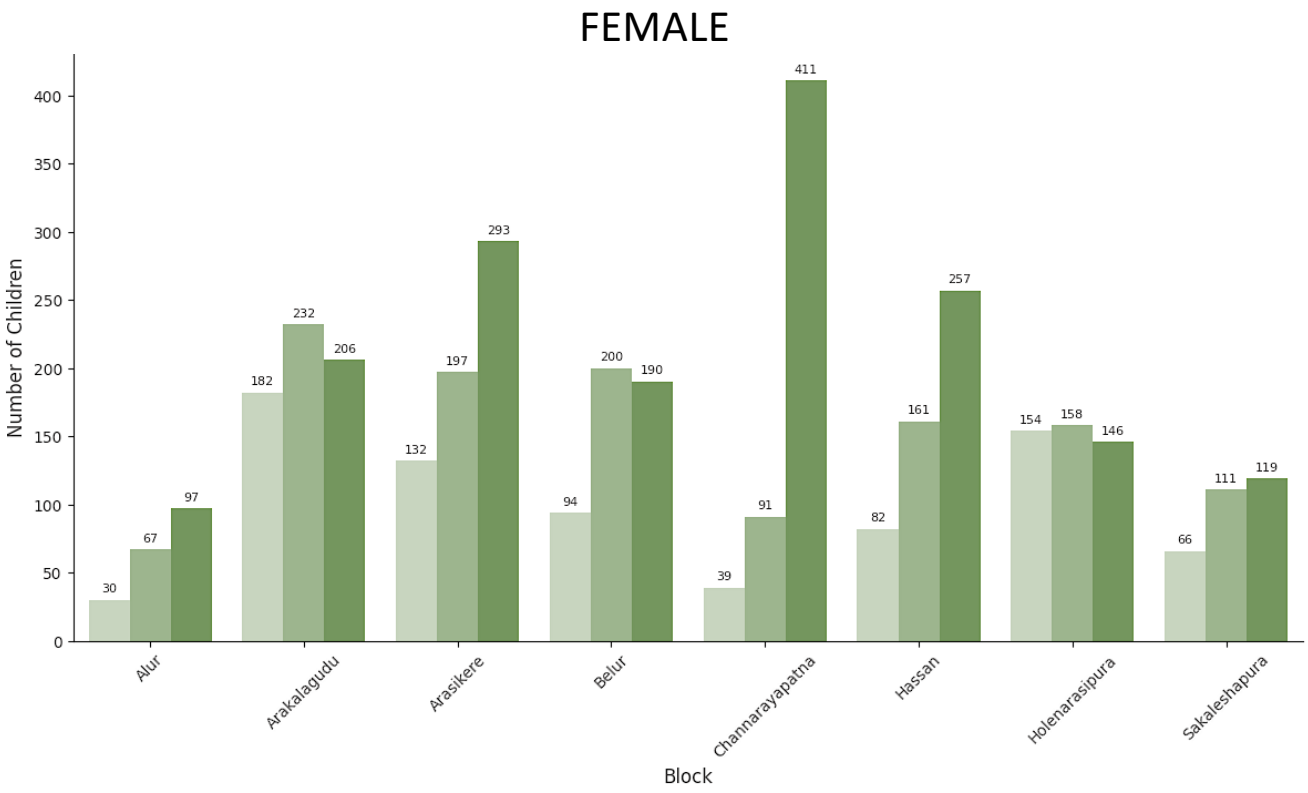
BOTTOM PERFORMING

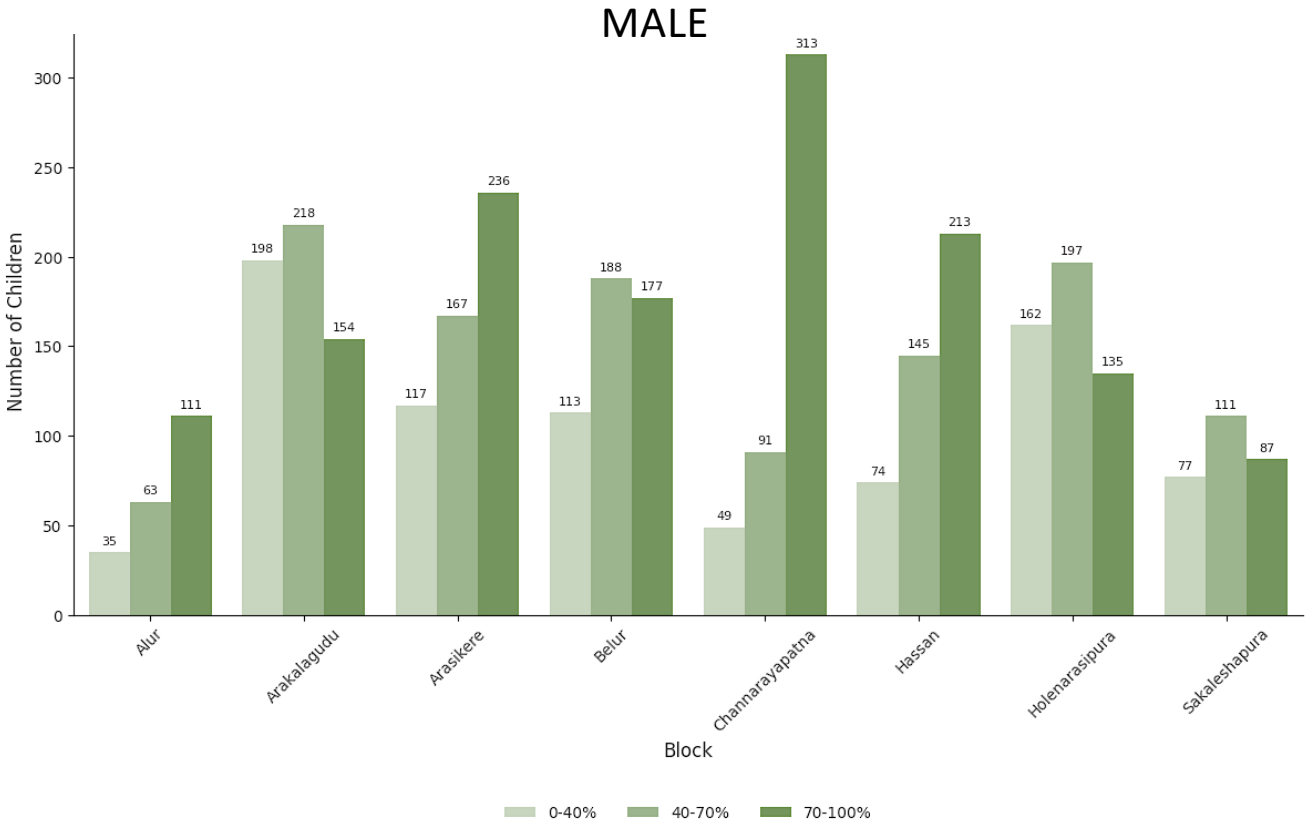
blocks

- Holenarasipura
- Arakalagudu

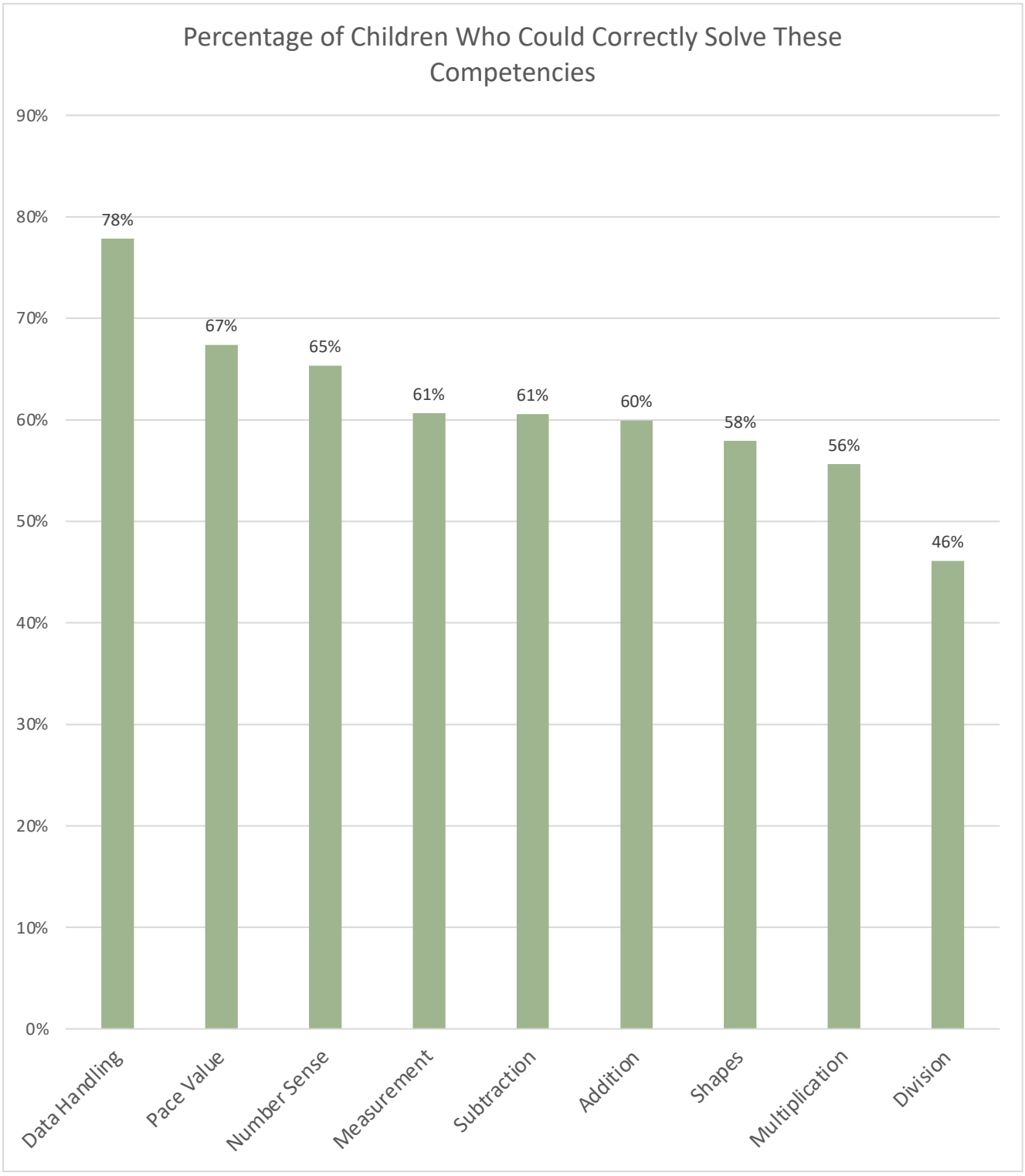
Grade 5

PERFORMANCE BY GENDER





Grade 5


Percentage of Children Who Could Correctly Solve These Competencies
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
78%
67%
65%
61%
61%
60%
58%
56%
46%
Data Handling
Pace Value
Number Sense
Measurement
Subtraction
Addition
Shapes
Multiplication
Division

The

EASIEST

competencies

- Data Handling
- Place Value
- Number Sense

The

TOUGHER

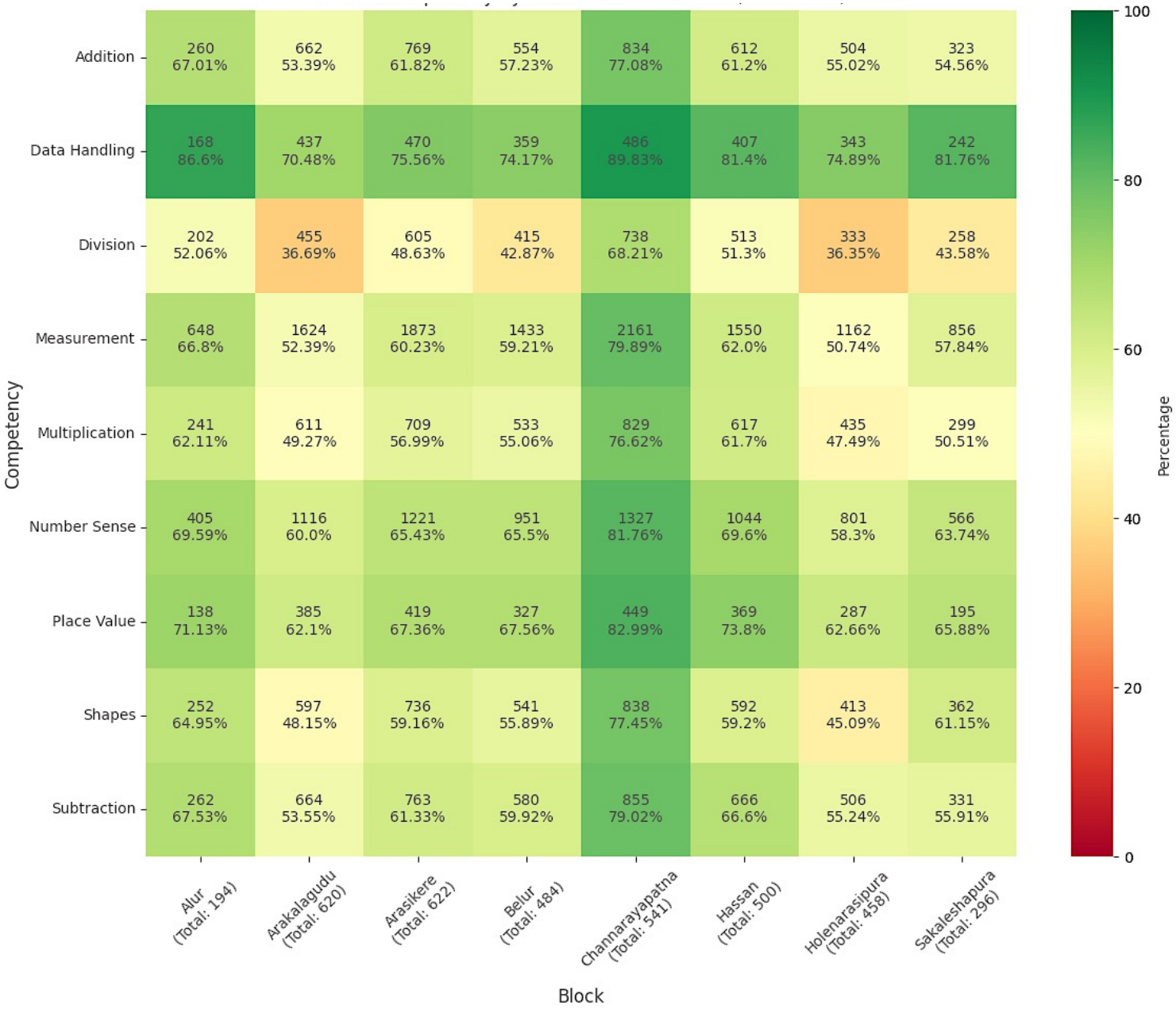
competencies

- Division
- Multiplication
- Shapes

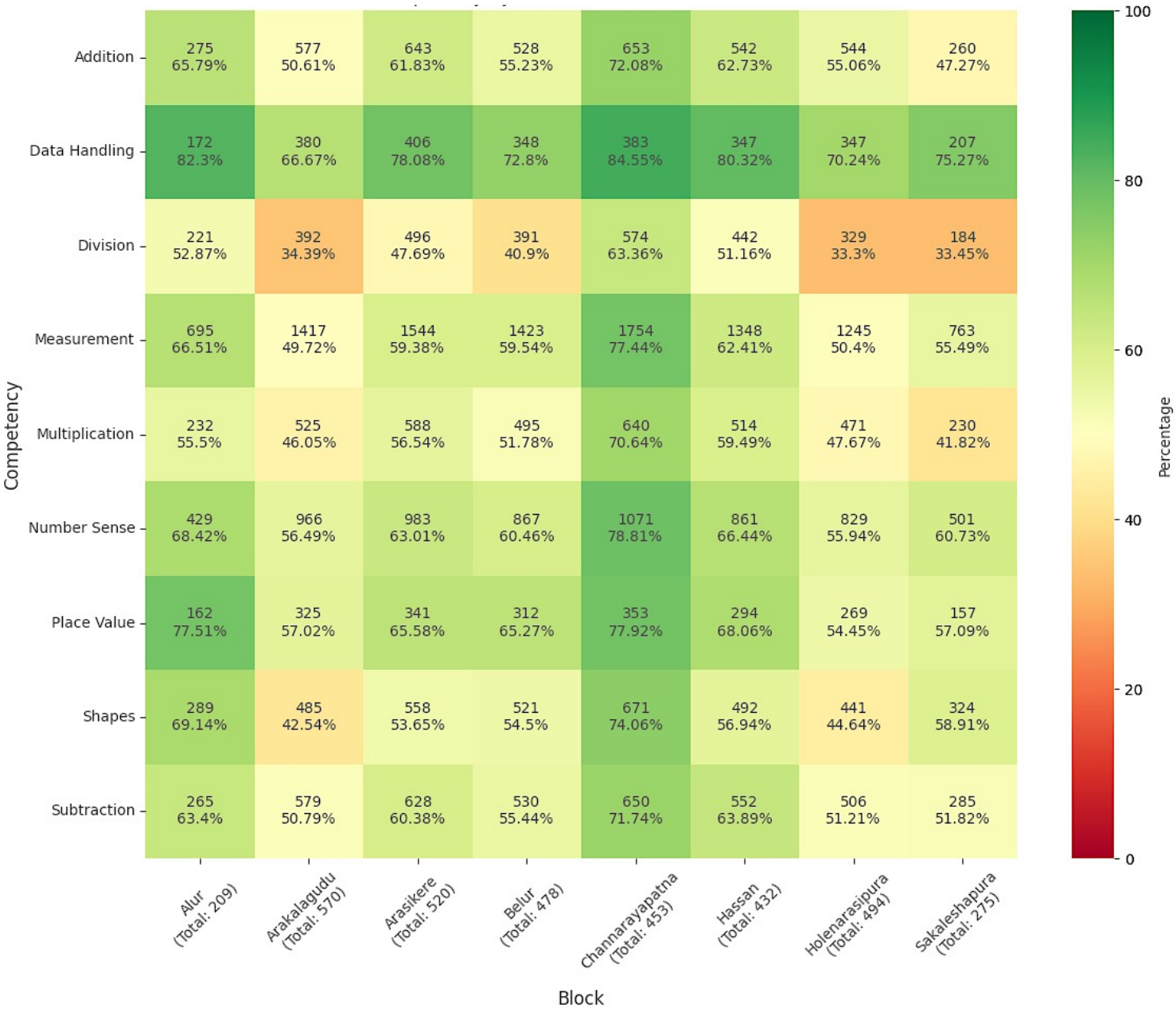
Grade 5

HEAT MAP OF OVERALL PERFORMANCE BY GENDER

FEMALE

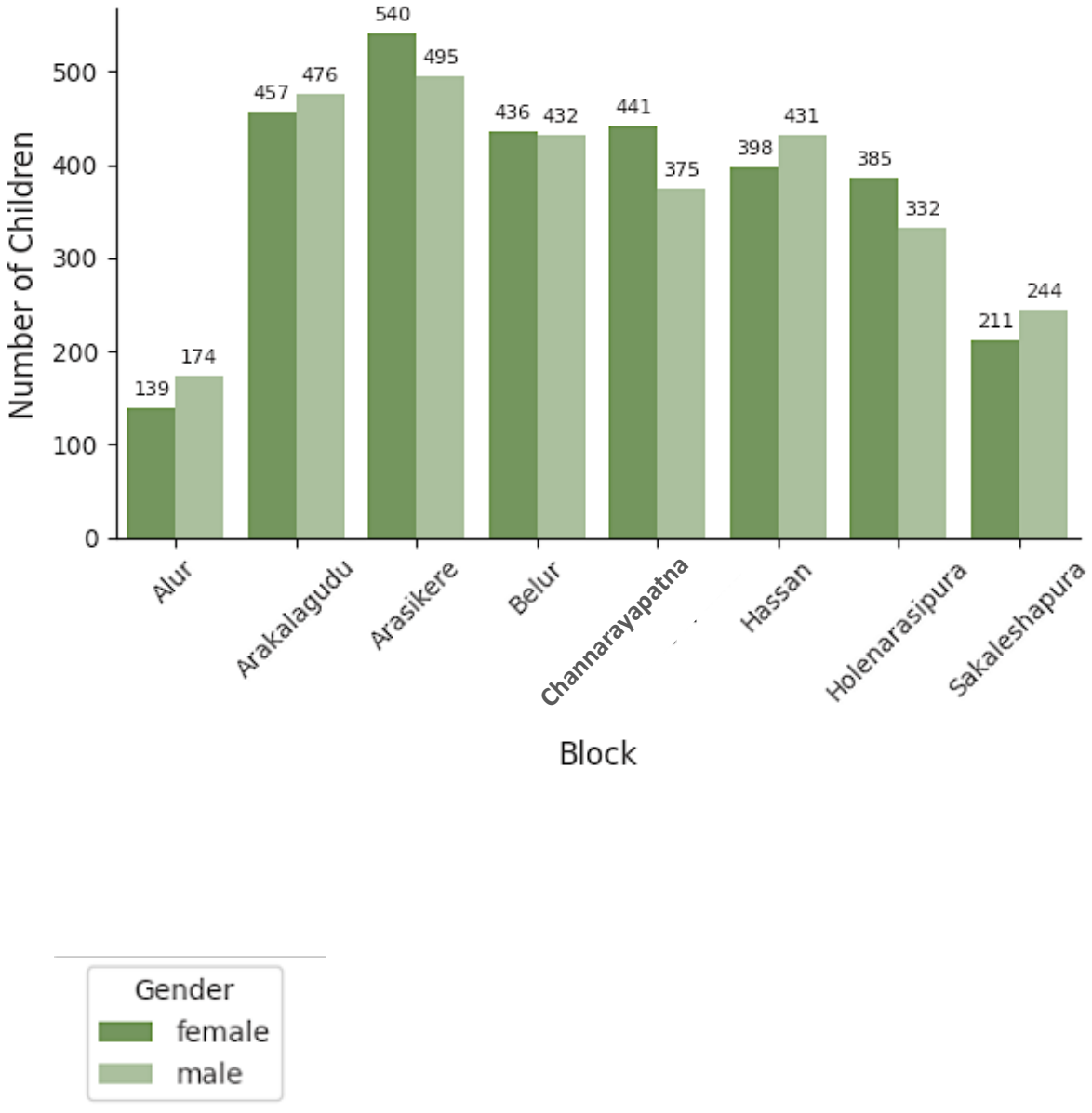


MALE

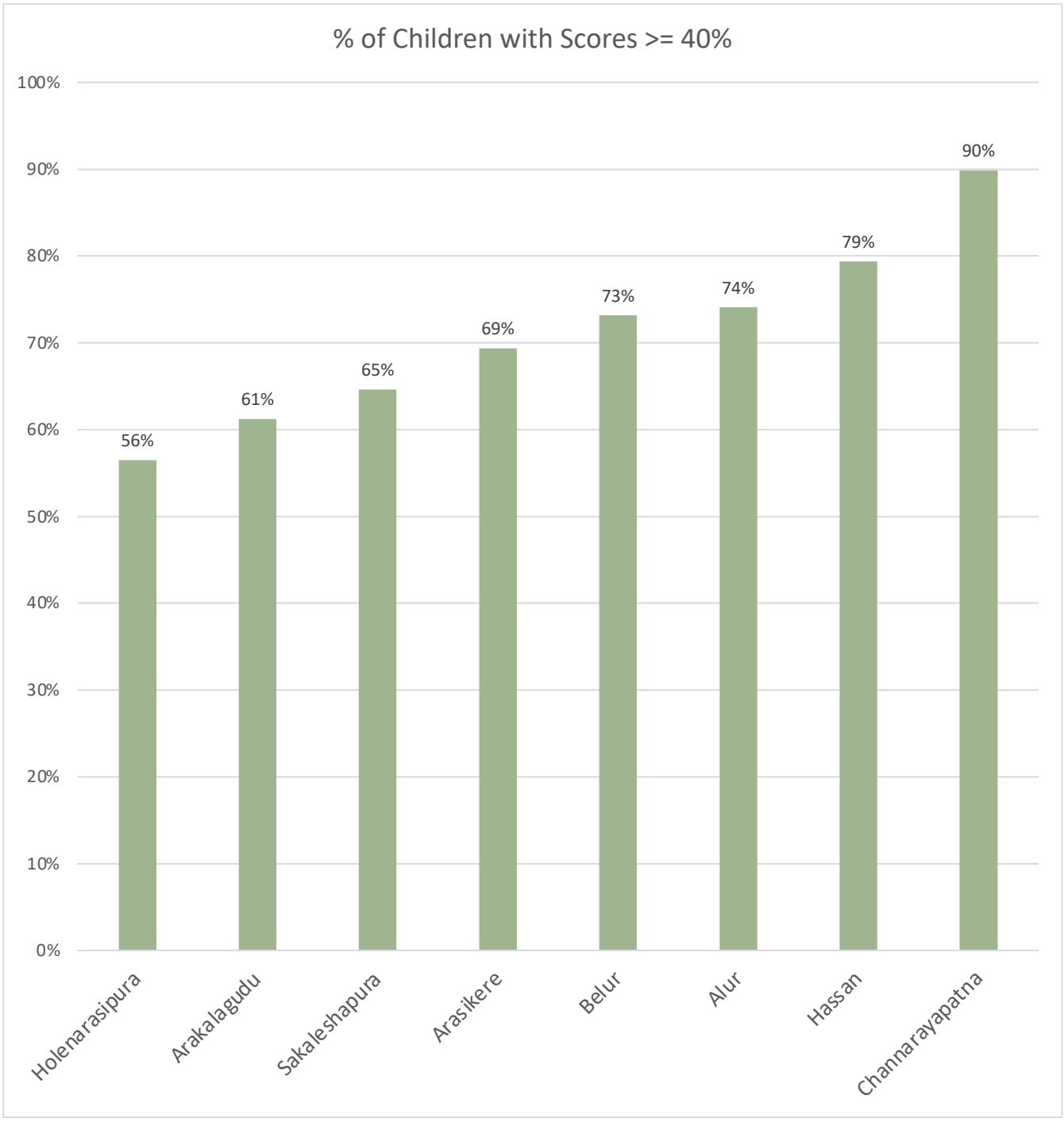

Competency
Addition
Data Handling
Division
Measurement
Multiplication
Number Sense
Place Value
Shapes
Subtraction
275 65.79%
577 50.61%
643 61.83%
528 55.23%
653 72.08%
542 62.73%
544 55.06%
260 47.27%
172 82.3%
380 66.67%
406 78.08%
348 72.8%
383 84.55%
347 80.32%
347 70.24%
207 75.27%
221 52.87%
392 34.39%
496 47.69%
391 40.9%
574 63.36%
442 51.16%
329 33.3%
184 33.45%
695 66.51%
1417 49.72%
1544 59.38%
1423 59.54%
1754 77.44%
1348 62.41%
1245 50.4%
763 55.49%
232 55.5%
525 46.05%
588 56.54%
495 51.78%
640 70.64%
514 59.49%
471 47.67%
230 41.82%
429 68.42%
966 56.49%
983 63.01%
867 60.46%
1071 78.81%
861 66.44%
829 55.94%
501 60.73%
162 77.51%
325 57.02%
341 65.58%
312 65.27%
353 77.92%
294 68.06%
269 54.45%
157 57.09%
289 69.14%
485 42.54%
558 53.65%
521 54.5%
671 74.06%
492 56.94%
441 44.64%
324 58.91%
265 63.4%
579 50.79%
628 60.38%
530 55.44%
650 71.74%
552 63.89%
506 51.21%
285 51.82%
Alur (Total: 209)
Arakalagudu (Total: 570)
Arasikere (Total: 520)
Belur (Total: 478)
Channarayapatna (Total: 453)
Hassan (Total: 432)
Holenarasipura (Total: 494)
Sakaleshapura (Total: 275)
Block
Percentage
100
80
60
40
20
0

Grade 6

Participation by **GENDER**



Grade 6


% of Children with Scores >= 40%
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
56%
61%
65%
69%
73%
74%
79%
90%
Holenarasipura
Arakalagudu
Sakaleshapura
Arasikere
Belur
Alur
Hassan
Channarayapatna

The

TOP PERFORMING

blocks

- Channarayapatna
- Hassan
- Alur
- Belur

The

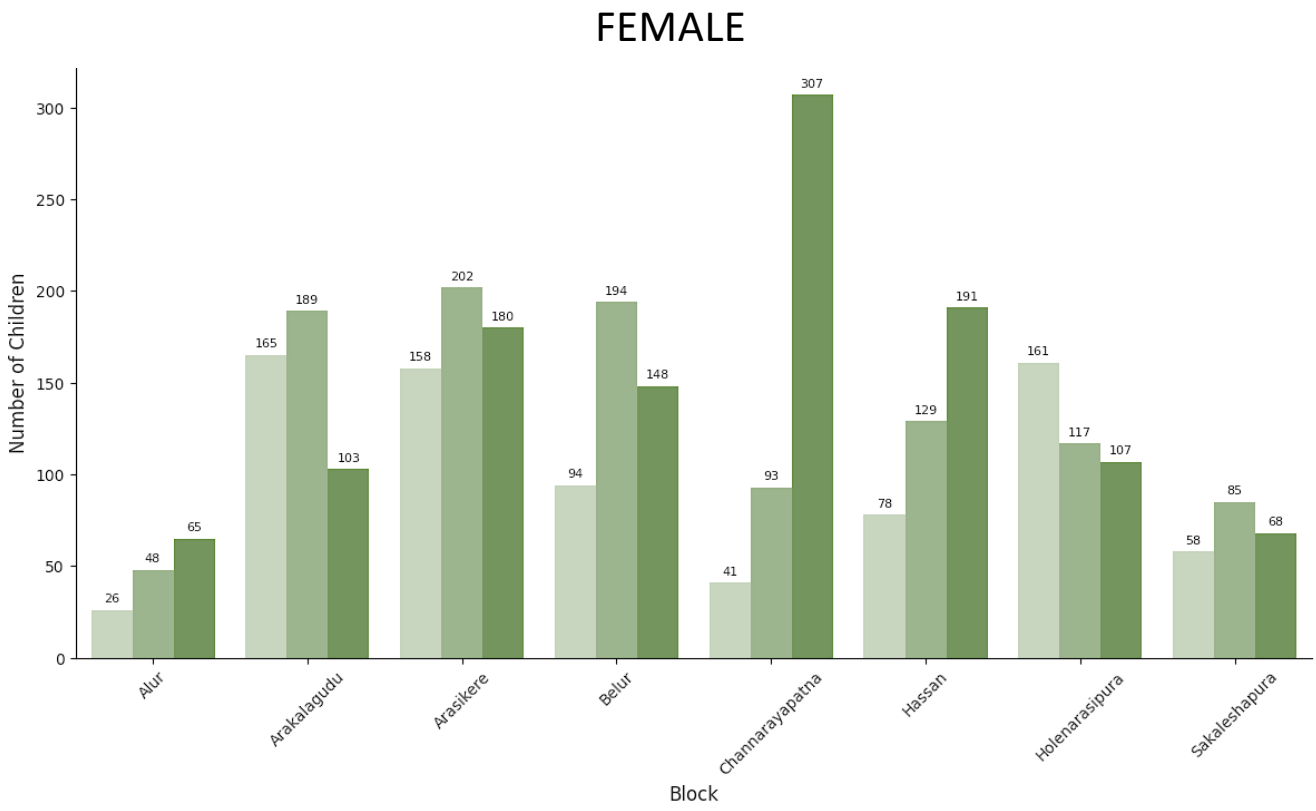
BOTTOM PERFORMING

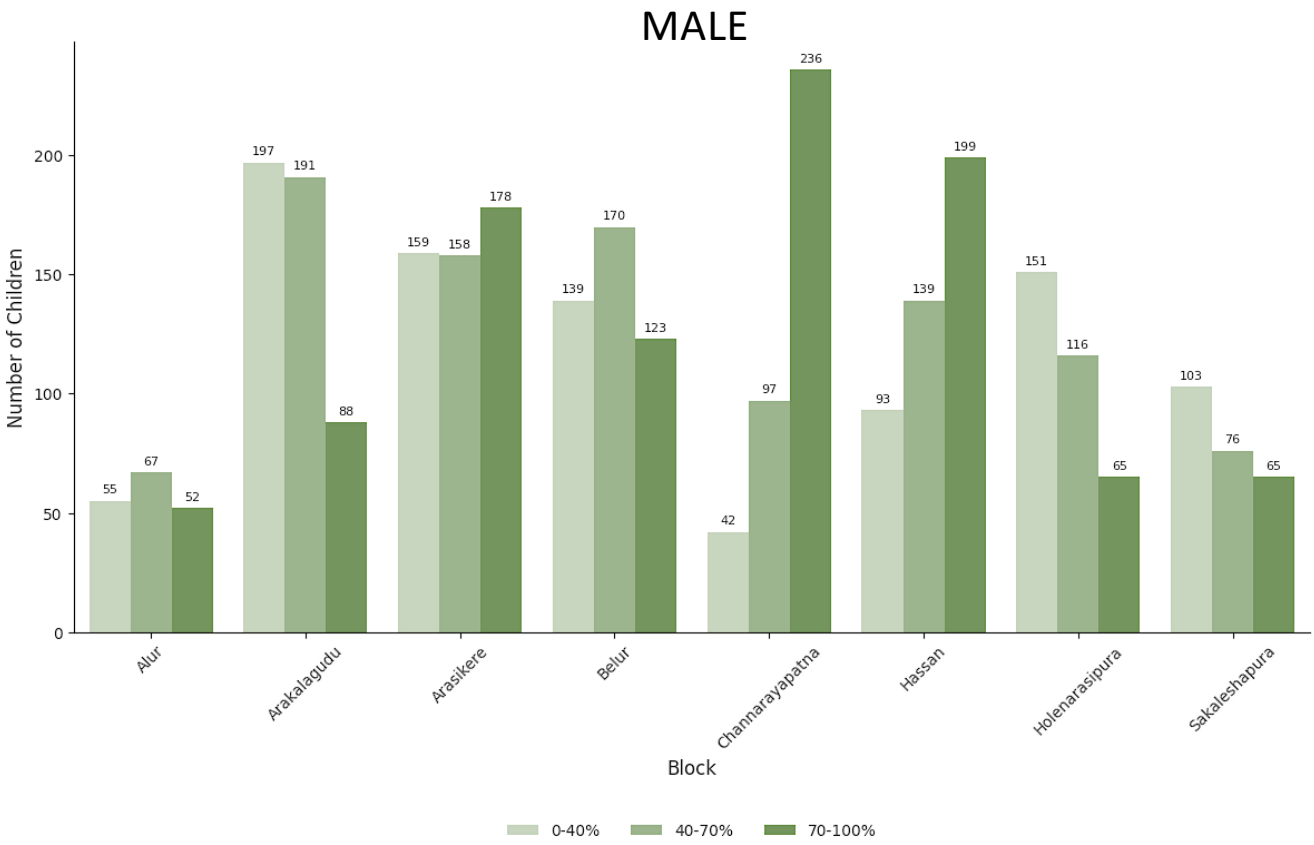
blocks

- Holenarasipura
- Arakalagudu
- Sakaleshapura
- Arasikere

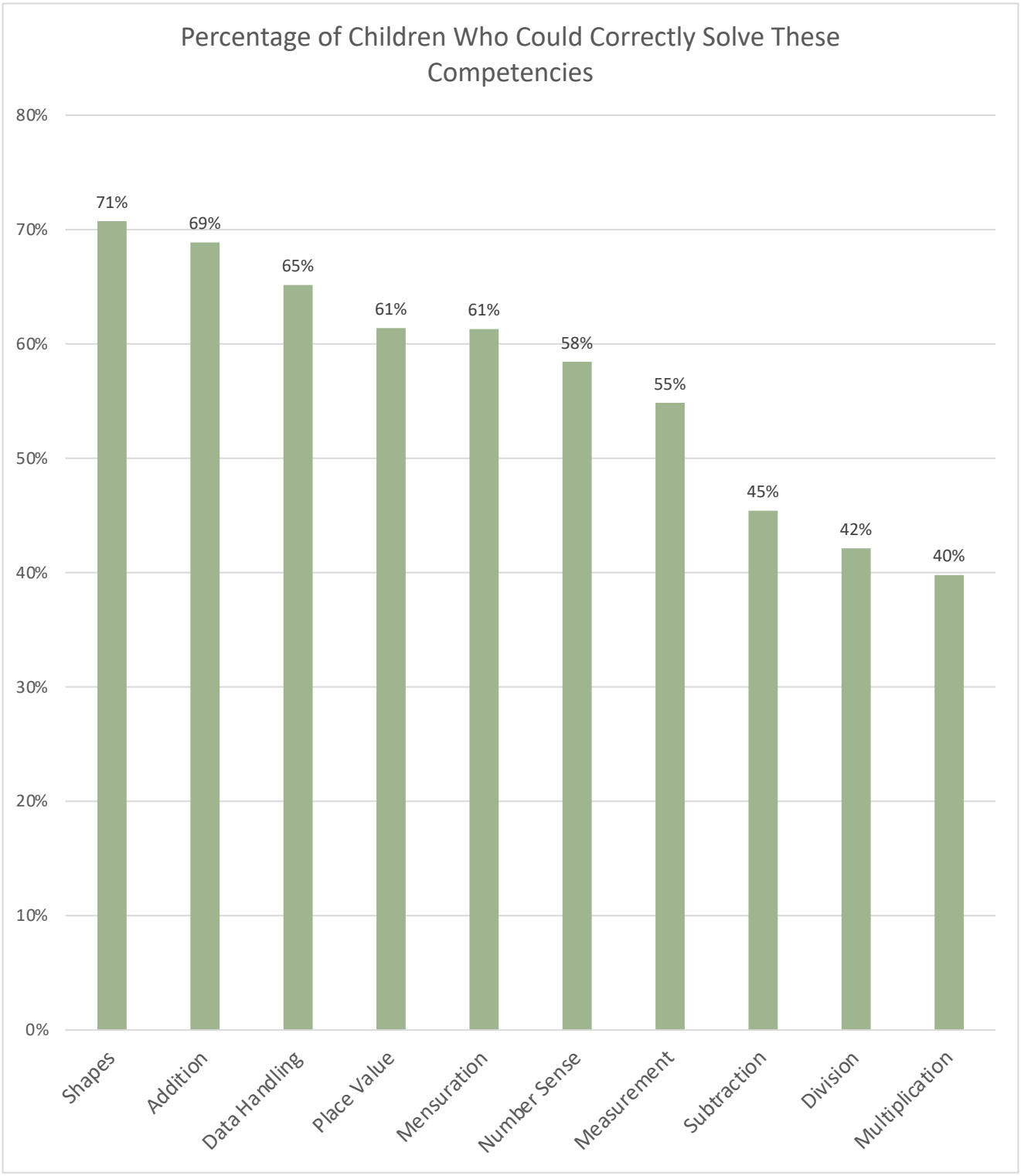
Grade 6

PERFORMANCE BY GENDER





Grade 6


Percentage of Children Who Could Correctly Solve These Competencies
80%
70%
60%
50%
40%
30%
20%
10%
0%
71%
69%
65%
61%
61%
58%
55%
45%
42%
40%
Shapes
Addition
Data Handling
Place Value
Mensuration
Number Sense
Measurement
Subtraction
Division
Multiplication

The

EASIEST

competencies

- Shapes
- Addition
- Data Handling

The

TOUGHER

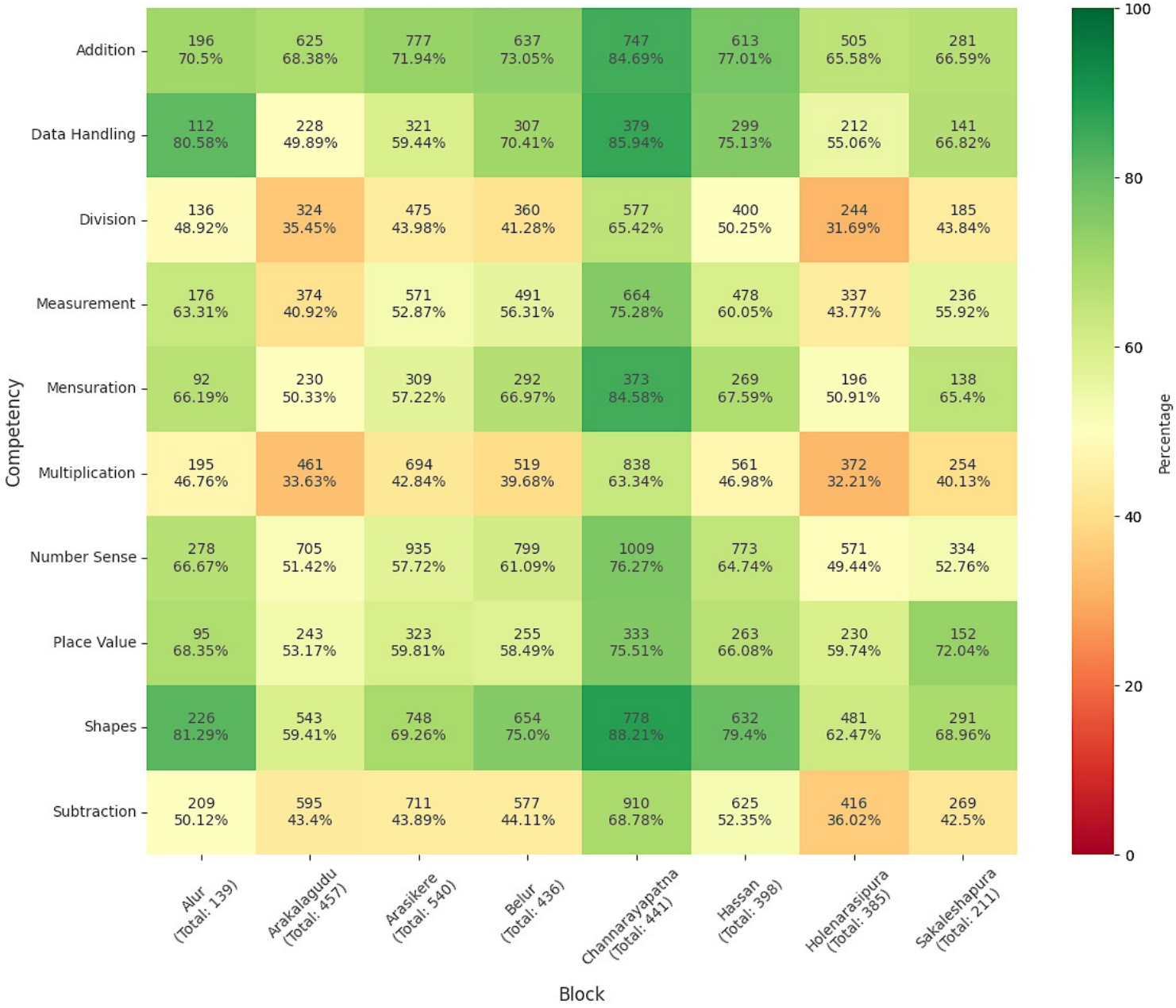
competencies

- Multiplication
- Division
- Subtraction

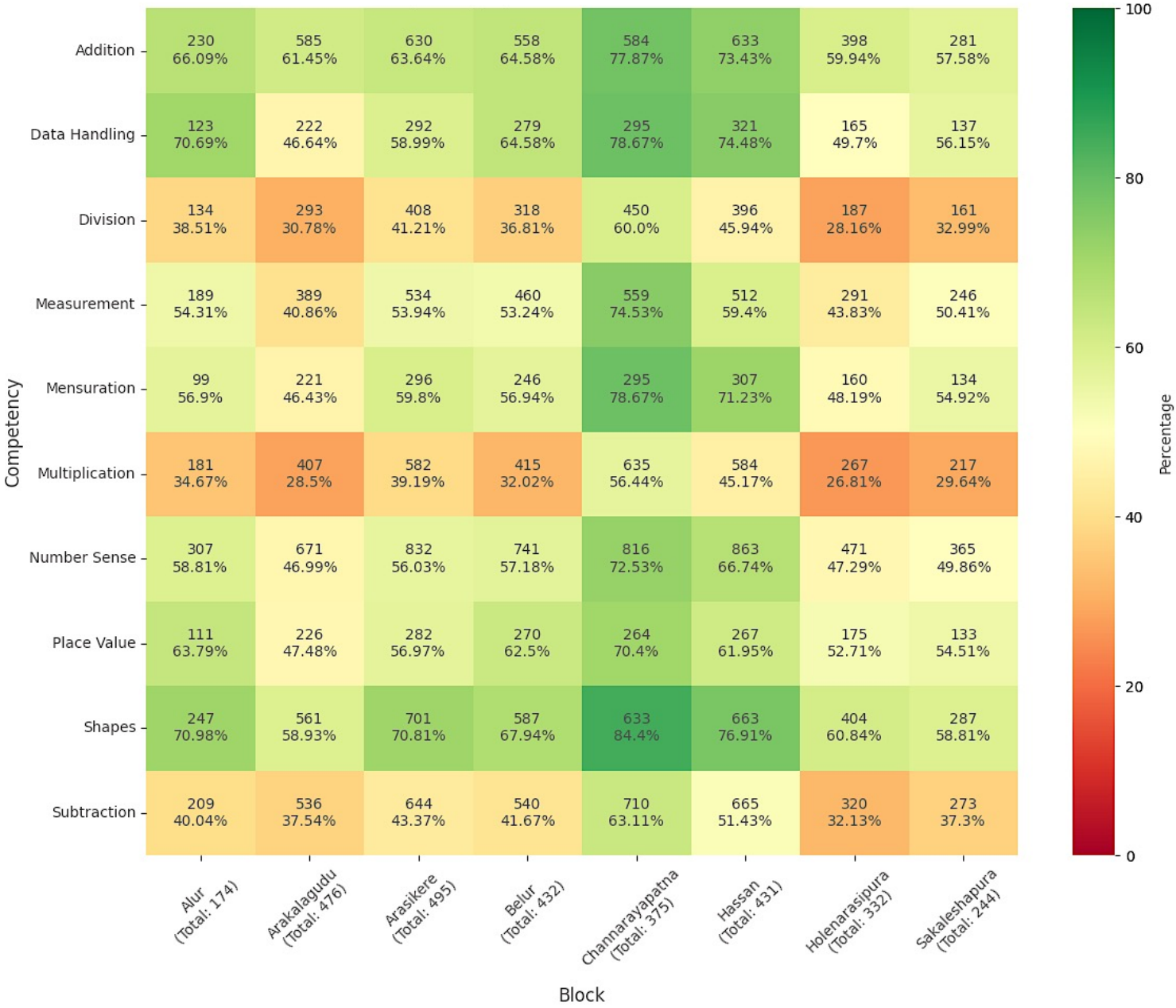
Grade 6

HEAT MAP OF OVERALL PERFORMANCE BY GENDER

FEMALE



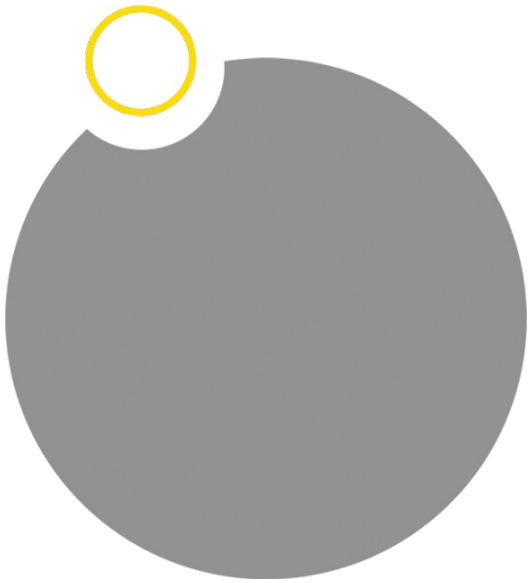
MALE

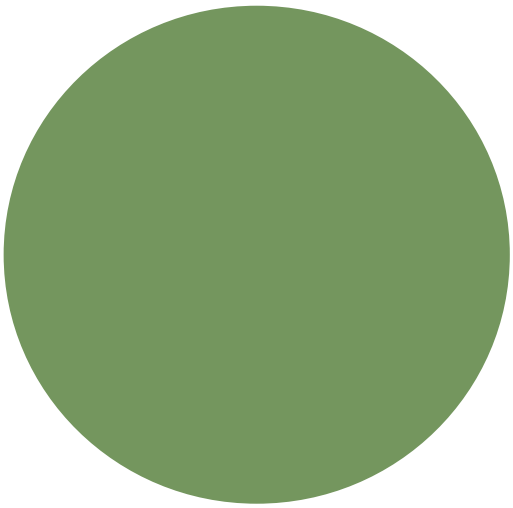

Competency
Addition
Data Handling
Division
Measurement
Mensuration
Multiplication
Number Sense
Place Value
Shapes
Subtraction
230 66.09%
585 61.45%
630 63.64%
558 64.58%
584 77.87%
633 73.43%
398 59.94%
281 57.58%
123 70.69%
222 46.64%
292 58.99%
279 64.58%
295 78.67%
321 74.48%
165 49.7%
137 56.15%
134 38.51%
293 30.78%
408 41.21%
318 36.81%
450 60.0%
396 45.94%
187 28.16%
161 32.99%
189 54.31%
389 40.86%
534 53.94%
460 53.24%
559 74.53%
512 59.4%
291 43.83%
246 50.41%
99 56.9%
221 46.43%
296 59.8%
246 56.94%
295 78.67%
307 71.23%
160 48.19%
134 54.92%
181 34.67%
407 28.5%
582 39.19%
415 32.02%
635 56.44%
584 45.17%
267 26.81%
217 29.64%
307 58.81%
671 46.99%
832 56.03%
741 57.18%
816 72.53%
863 66.74%
471 47.29%
365 49.86%
111 63.79%
226 47.48%
282 56.97%
270 62.5%
264 70.4%
267 61.95%
175 52.71%
133 54.51%
247 70.98%
561 58.93%
701 70.81%
587 67.94%
633 84.4%
663 76.91%
404 60.84%
287 58.81%
209 40.04%
536 37.54%
644 43.37%
540 41.67%
710 63.11%
665 51.43%
320 32.13%
273 37.3%
Alur (Total: 174)
Arakalagudu (Total: 476)
Arasikere (Total: 495)
Belur (Total: 432)
Channarayapatna (Total: 375)
Hassan (Total: 431)
Holenarasipura (Total: 332)
Sakaleshapura (Total: 244)
Block
Percentage
100
80
60
40
20
0

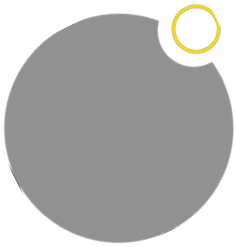
Acknowledgements

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