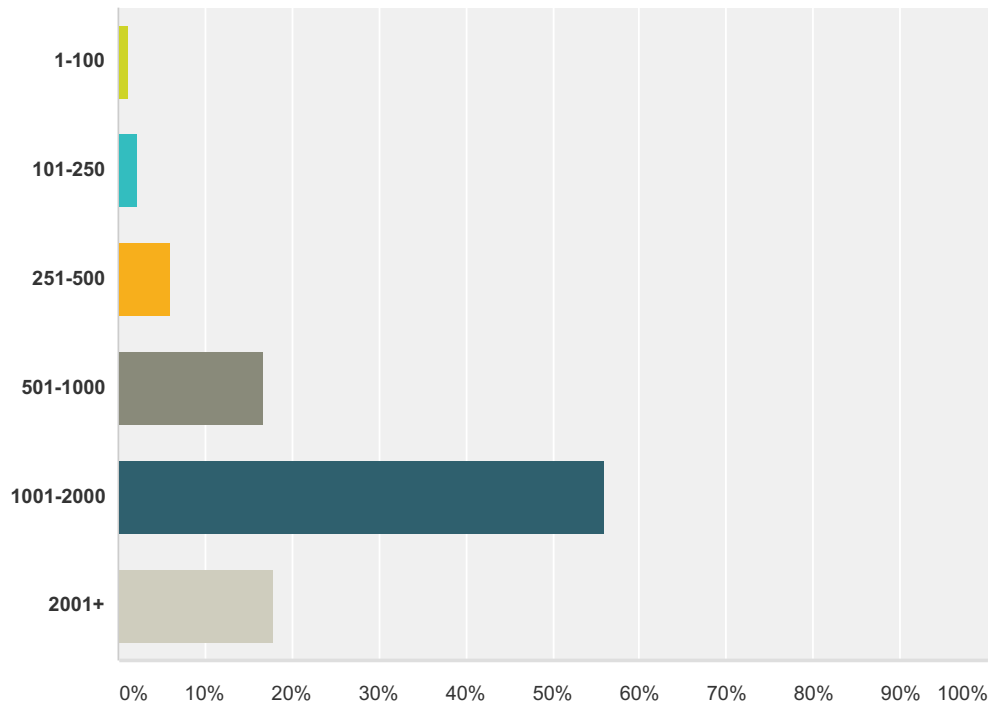


Q1 How many students attend your school?

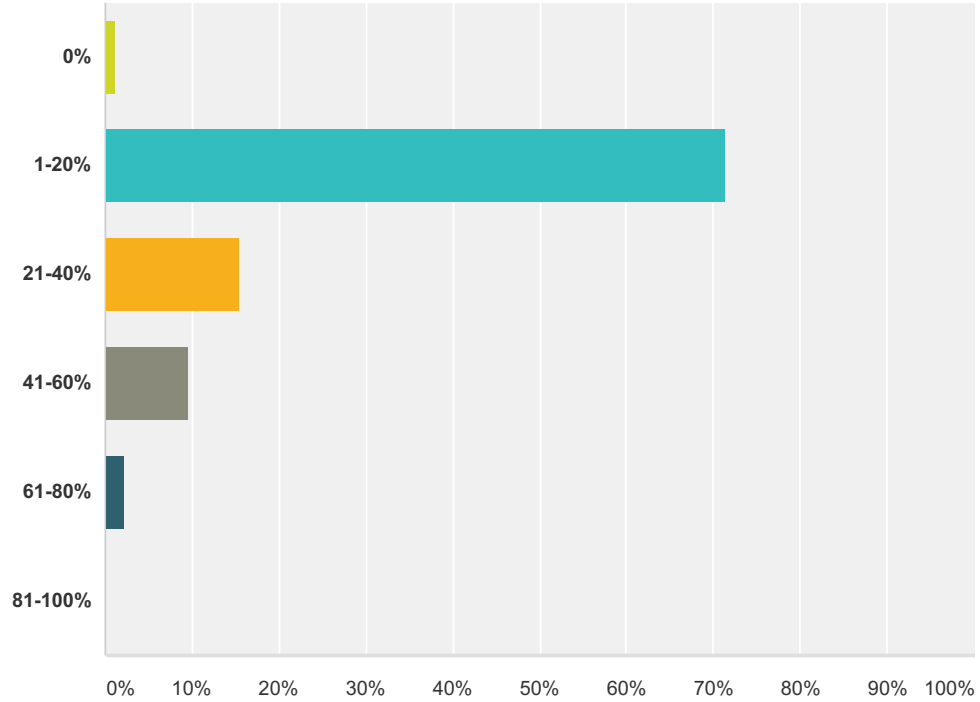
Answered: 84 Skipped: 0



Answer Choices	Responses
1-100	1.19% 1
101-250	2.38% 2
251-500	5.95% 5
501-1000	16.67% 14
1001-2000	55.95% 47
2001+	17.86% 15
Total	84

Q2 What percentage of students at your school speak a language at home other than English?

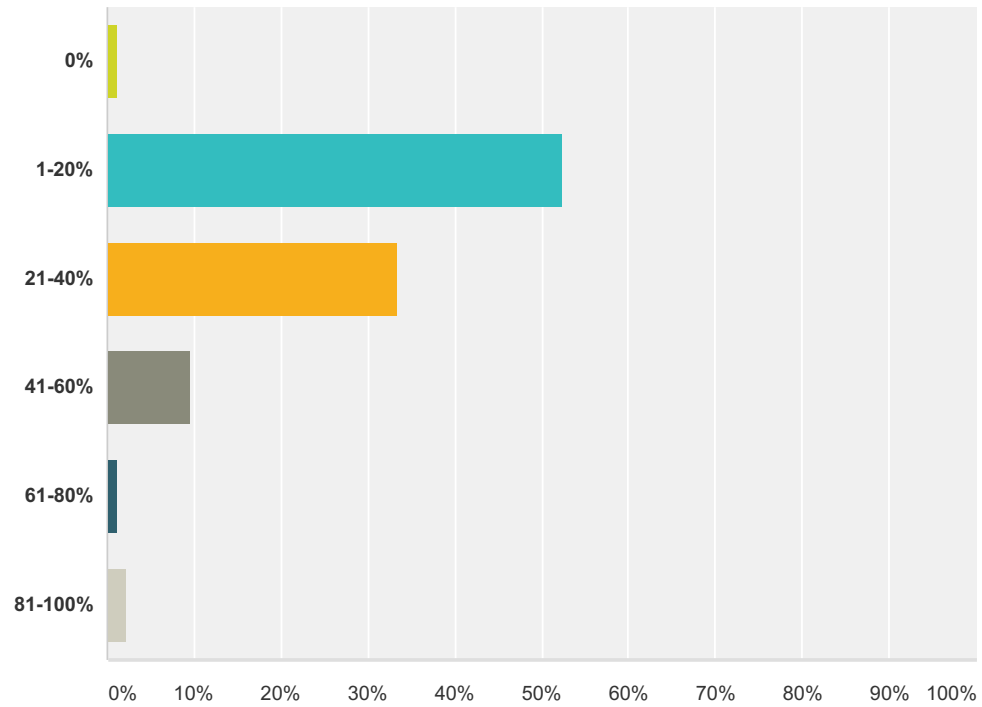
Answered: 84 Skipped: 0



Answer Choices	Responses
0%	1.19% 1
1-20%	71.43% 60
21-40%	15.48% 13
41-60%	9.52% 8
61-80%	2.38% 2
81-100%	0.00% 0
Total	84

Q3 What percentage of students at your school are African American?

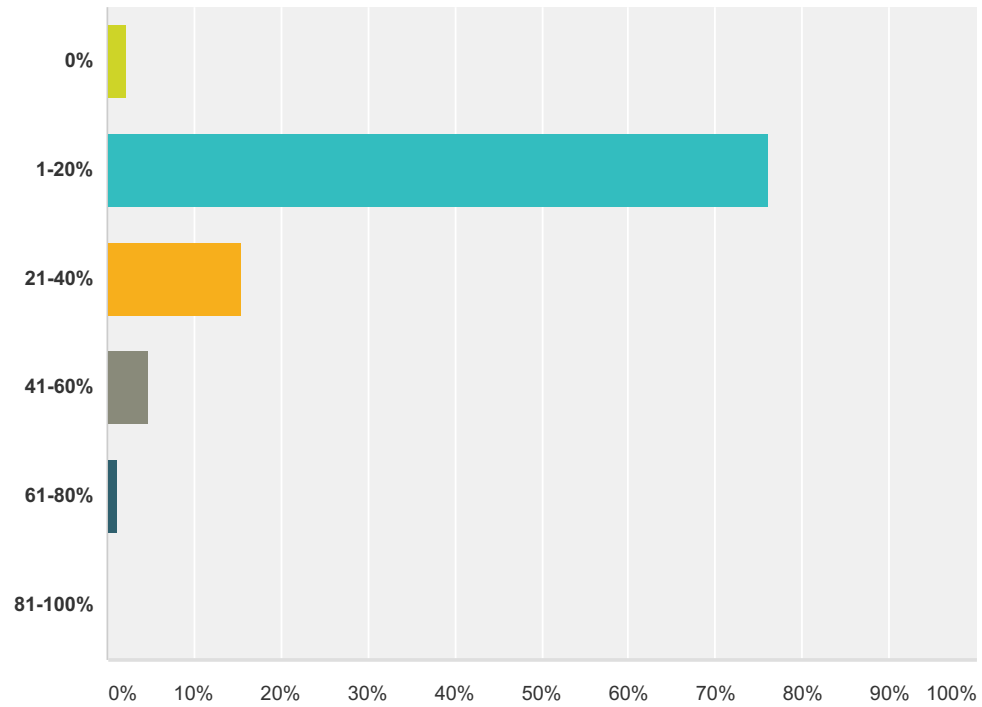
Answered: 84 Skipped: 0



Answer Choices	Responses
0%	1.19% 1
1-20%	52.38% 44
21-40%	33.33% 28
41-60%	9.52% 8
61-80%	1.19% 1
81-100%	2.38% 2
Total	84

Q4 What percentage of students at your school are Hispanic/Latino?

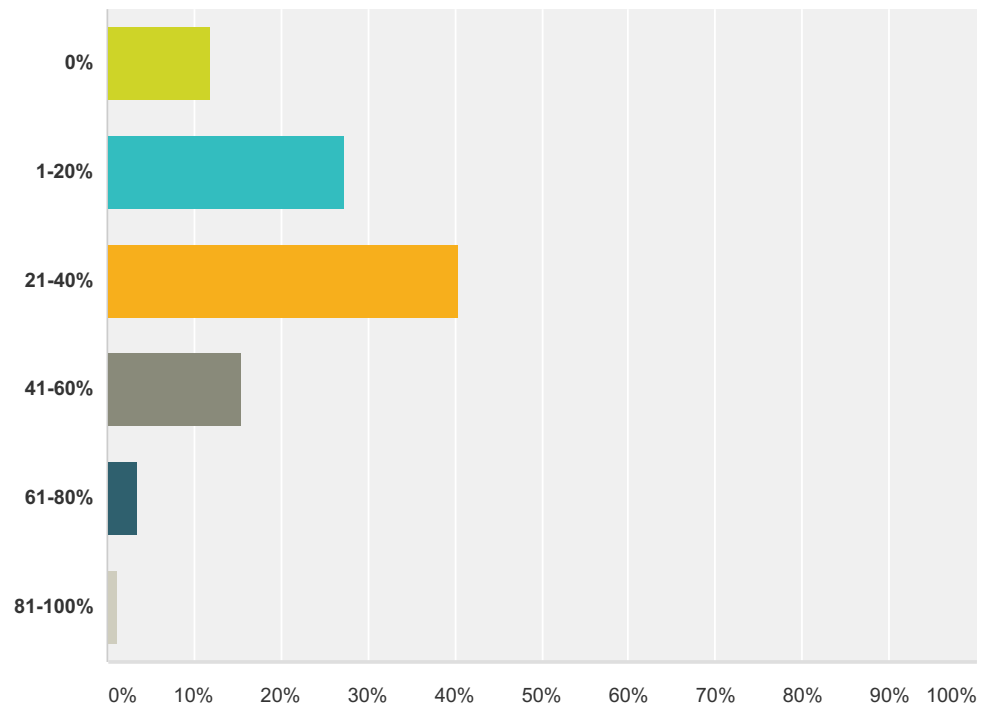
Answered: 84 Skipped: 0



Answer Choices	Responses
0%	2.38% 2
1-20%	76.19% 64
21-40%	15.48% 13
41-60%	4.76% 4
61-80%	1.19% 1
81-100%	0.00% 0
Total	84

Q5 What percentage of students qualify for free or reduced lunch?

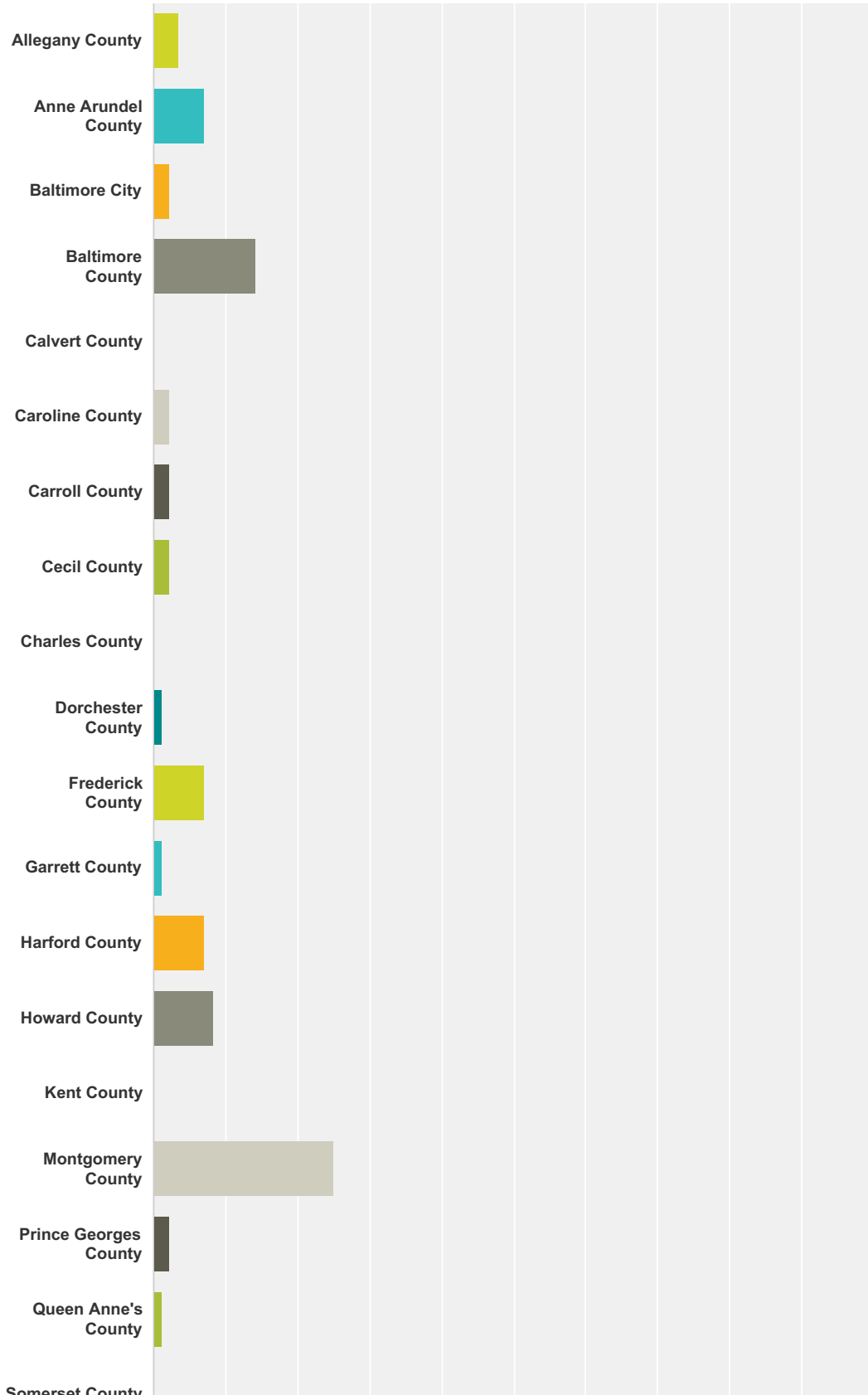
Answered: 84 Skipped: 0



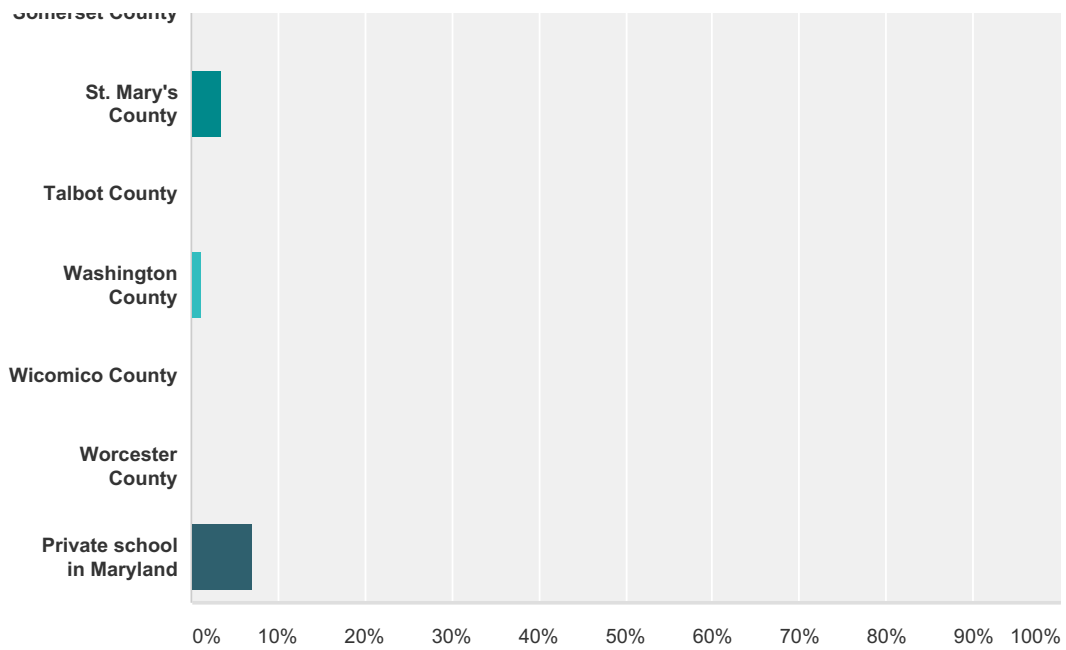
Answer Choices	Responses
0%	11.90% 10
1-20%	27.38% 23
21-40%	40.48% 34
41-60%	15.48% 13
61-80%	3.57% 3
81-100%	1.19% 1
Total	84

Q6 In which school district is your high school located?

Answered: 84 Skipped: 0



Maryland High School Computer Science Survey (2014)



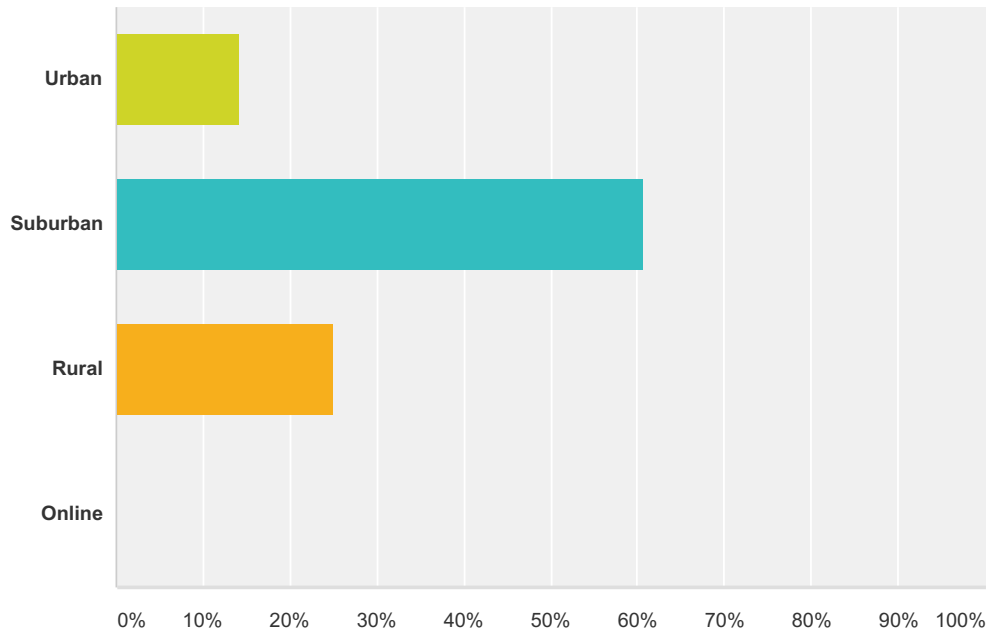
Answer Choices	Responses	Count
Allegany County	3.57%	3
Anne Arundel County	7.14%	6
Baltimore City	2.38%	2
Baltimore County	14.29%	12
Calvert County	0.00%	0
Caroline County	2.38%	2
Carroll County	2.38%	2
Cecil County	2.38%	2
Charles County	0.00%	0
Dorchester County	1.19%	1
Frederick County	7.14%	6
Garrett County	1.19%	1
Harford County	7.14%	6
Howard County	8.33%	7
Kent County	0.00%	0
Montgomery County	25.00%	21
Prince Georges County	2.38%	2
Queen Anne's County	1.19%	1
Somerset County	0.00%	0

Maryland High School Computer Science Survey (2014)

St. Mary's County	3.57%	3
Talbot County	0.00%	0
Washington County	1.19%	1
Wicomico County	0.00%	0
Worcester County	0.00%	0
Private school in Maryland	7.14%	6
Total		84

Q7 Which of the following best describes your school's location?

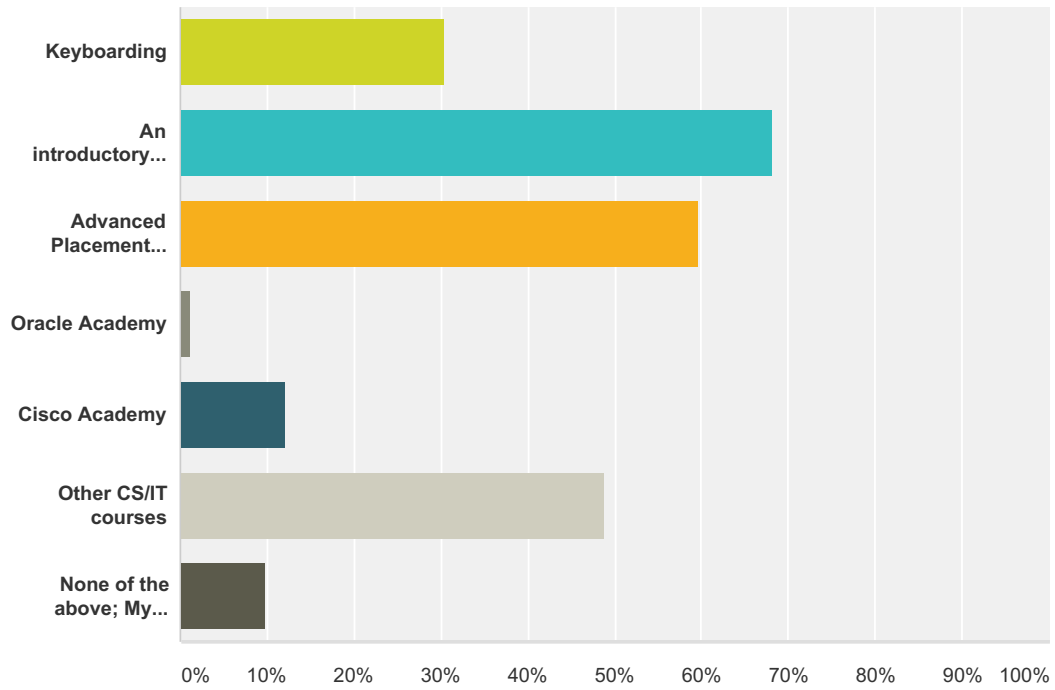
Answered: 84 Skipped: 0



Answer Choices	Responses	
Urban	14.29%	12
Suburban	60.71%	51
Rural	25.00%	21
Online	0.00%	0
Total		84

Q8 Which of the following are offered at your high school? (Check all that apply.)

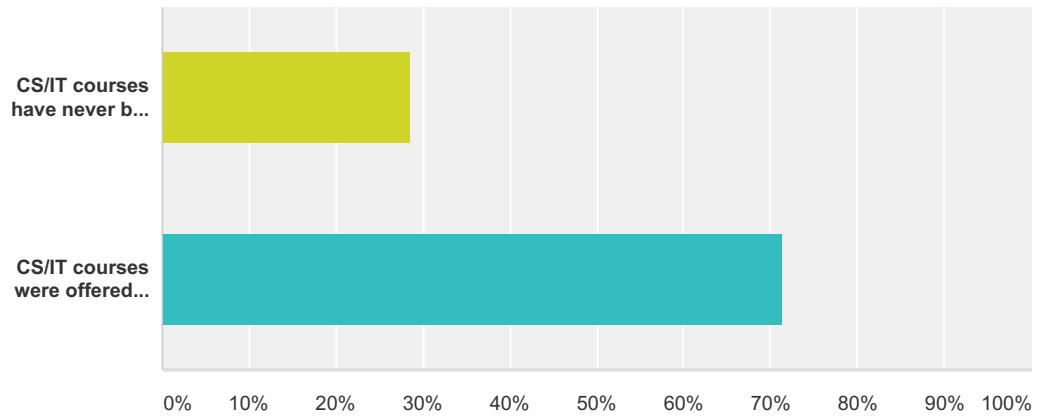
Answered: 82 Skipped: 2



Answer Choices	Responses
Keyboarding	30.49% 25
An introductory computer science course (pre-AP)	68.29% 56
Advanced Placement Computer Science (AP)	59.76% 49
Oracle Academy	1.22% 1
Cisco Academy	12.20% 10
Other CS/IT courses	48.78% 40
None of the above; My school does not offer CS/IT courses	9.76% 8
Total Respondents: 82	

Q9 Which of the following best describes CS/IT course offerings at your school?

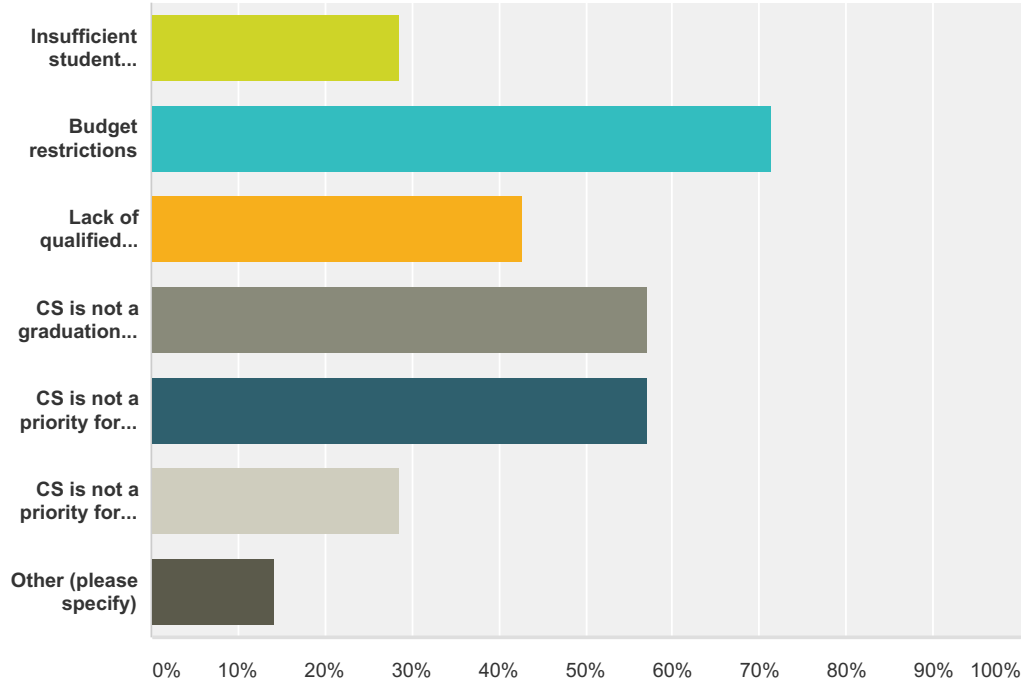
Answered: 7 Skipped: 77



Answer Choices	Responses
CS/IT courses have never been offered at my school	28.57% 2
CS/IT courses were offered in the past at my school, but have been discontinued	71.43% 5
Total	7

Q10 What are some of the reasons why your school does not offer computer science courses? (Check all that apply.)

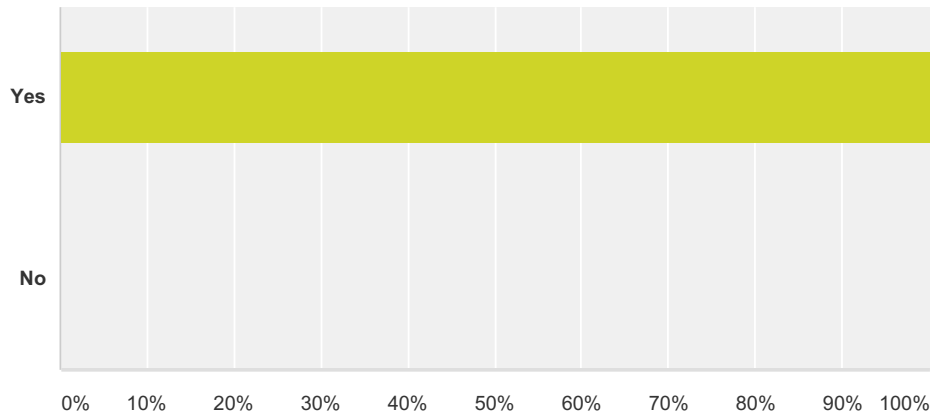
Answered: 7 Skipped: 77



Answer Choices	Responses
Insufficient student interest	28.57% 2
Budget restrictions	71.43% 5
Lack of qualified teachers	42.86% 3
CS is not a graduation requirement	57.14% 4
CS is not a priority for my high school	57.14% 4
CS is not a priority for the school system	28.57% 2
Other (please specify)	14.29% 1
Total Respondents: 7	

Q11 In your judgement, do you think that your school should offer CS courses?

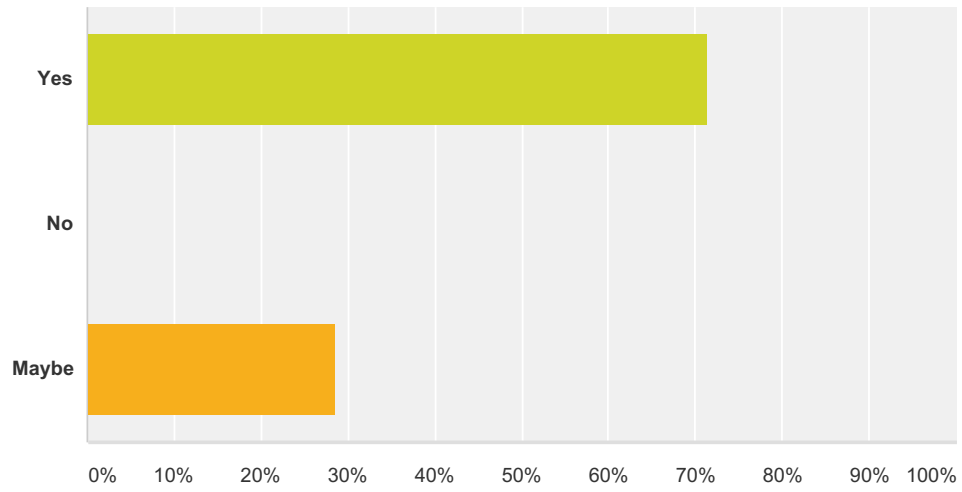
Answered: 7 Skipped: 77



Answer Choices	Responses
Yes	100.00% 7
No	0.00% 0
Total	7

Q12 If your school offered CS/IT courses, would you be interested in teaching them?

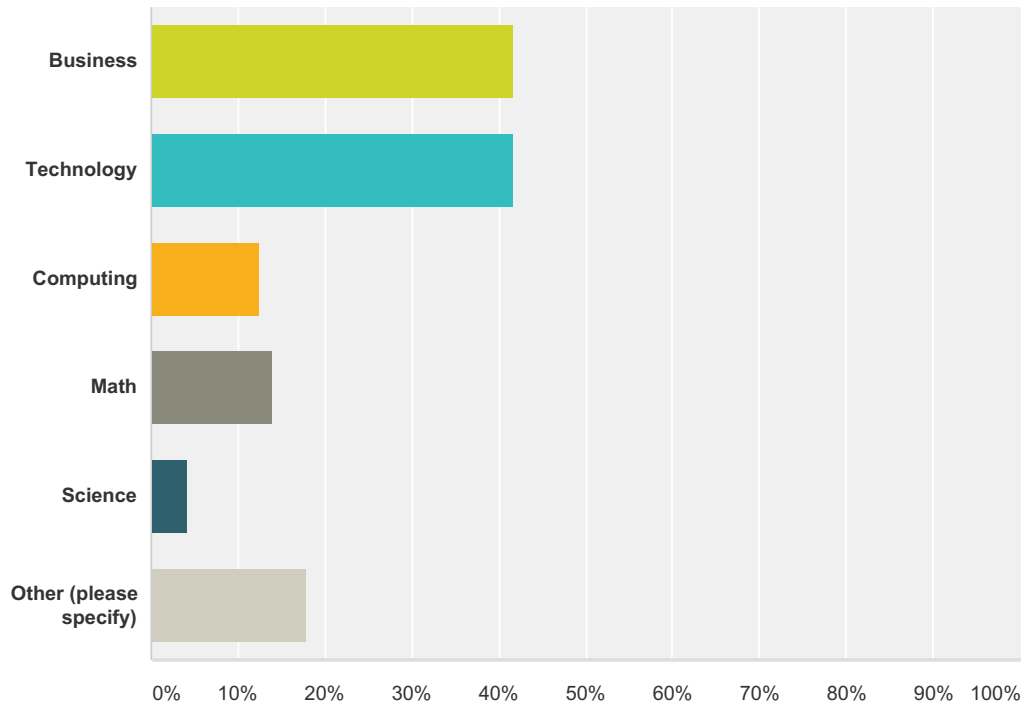
Answered: 7 Skipped: 77



Answer Choices	Responses
Yes	71.43% 5
No	0.00% 0
Maybe	28.57% 2
Total	7

Q13 Under what department(s) is CS offered in your school? (Check all that apply.)

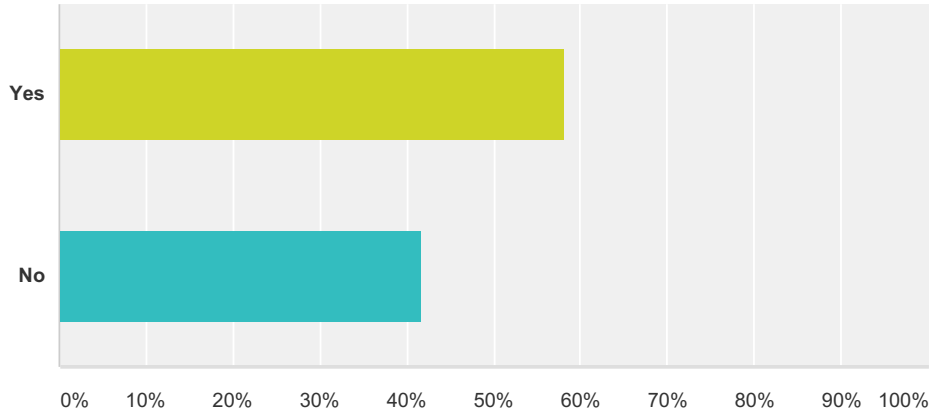
Answered: 72 Skipped: 12



Answer Choices	Responses
Business	41.67% 30
Technology	41.67% 30
Computing	12.50% 9
Math	13.89% 10
Science	4.17% 3
Other (please specify)	18.06% 13
Total Respondents: 72	

Q14 Does your district or state require you to teach a specific computer science course curriculum that includes specific content and outcomes?

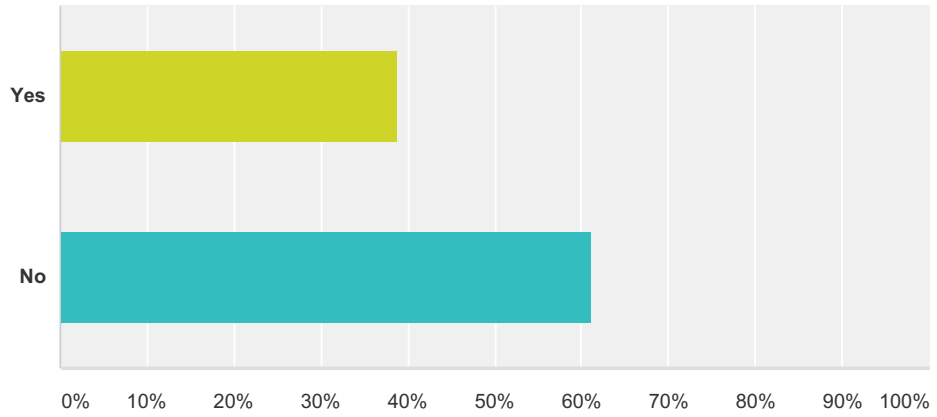
Answered: 72 Skipped: 12



Answer Choices	Responses	
Yes	58.33%	42
No	41.67%	30
Total		72

Q15 Are these requirements enforced?

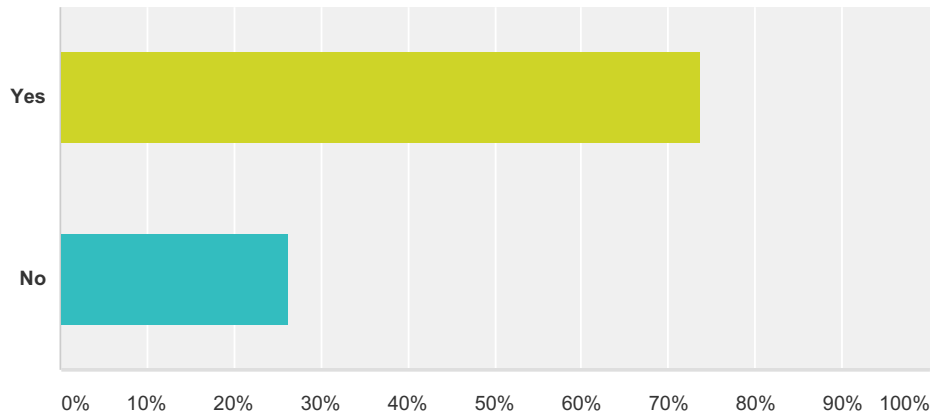
Answered: 72 Skipped: 12



Answer Choices	Responses	
Yes	38.89%	28
No	61.11%	44
Total		72

Q16 Does your school offer an introductory (pre-AP) Computer Science (CS) course?

Answered: 72 Skipped: 12



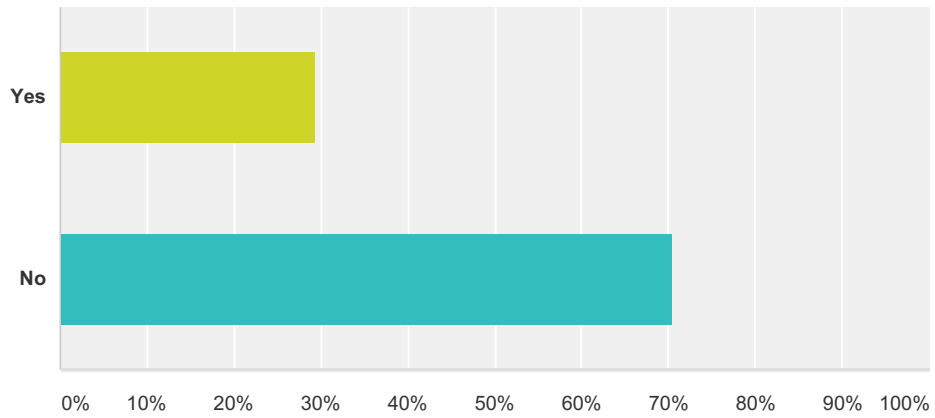
Answer Choices	Responses
Yes	73.61% 53
No	26.39% 19
Total	72

Q17 What are the title(s) of the introductory CS course(s) that are offered at your school?

Answered: 51 Skipped: 33

Q18 Are students required to take introductory CS?

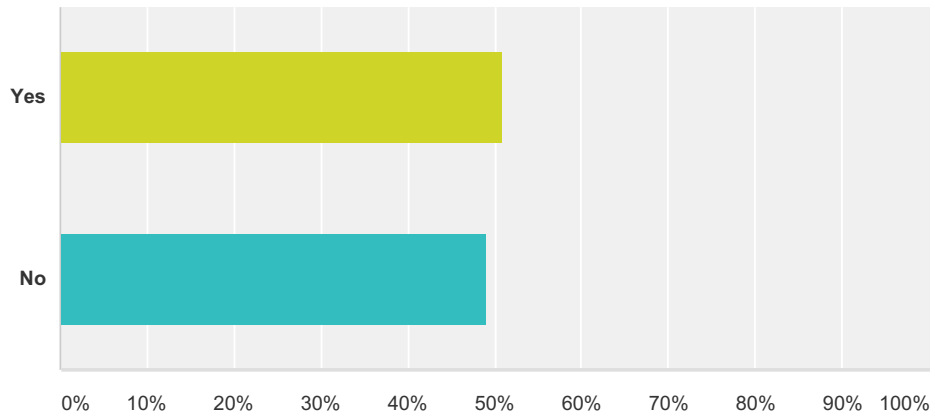
Answered: 51 Skipped: 33



Answer Choices	Responses
Yes	29.41% 15
No	70.59% 36
Total	51

Q19 Does the CS introductory course offered in your school have prerequisites?

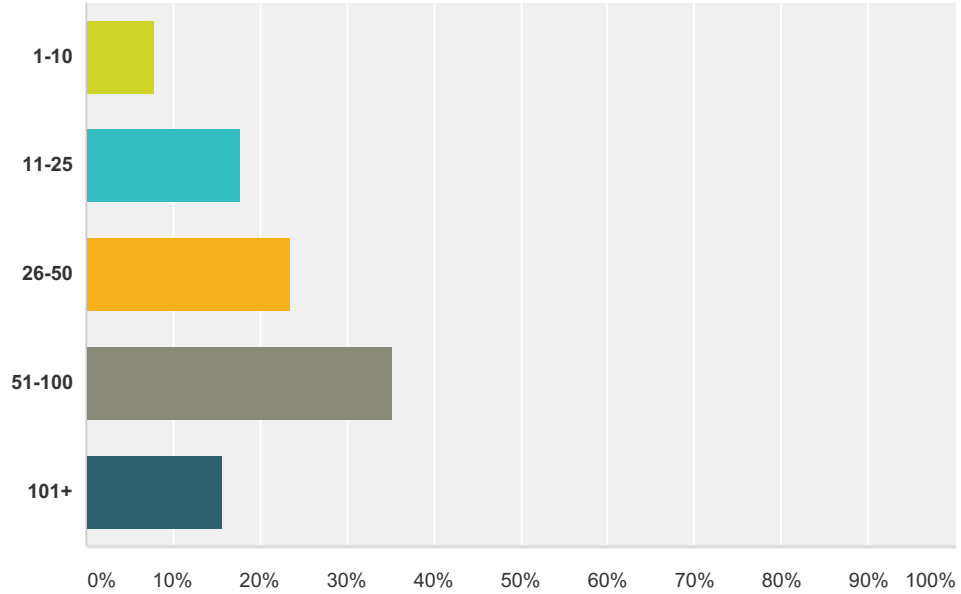
Answered: 51 Skipped: 33



Answer Choices	Responses	
Yes	50.98%	26
No	49.02%	25
Total		51

Q20 How many students are enrolled in introductory CS this year at your high school?

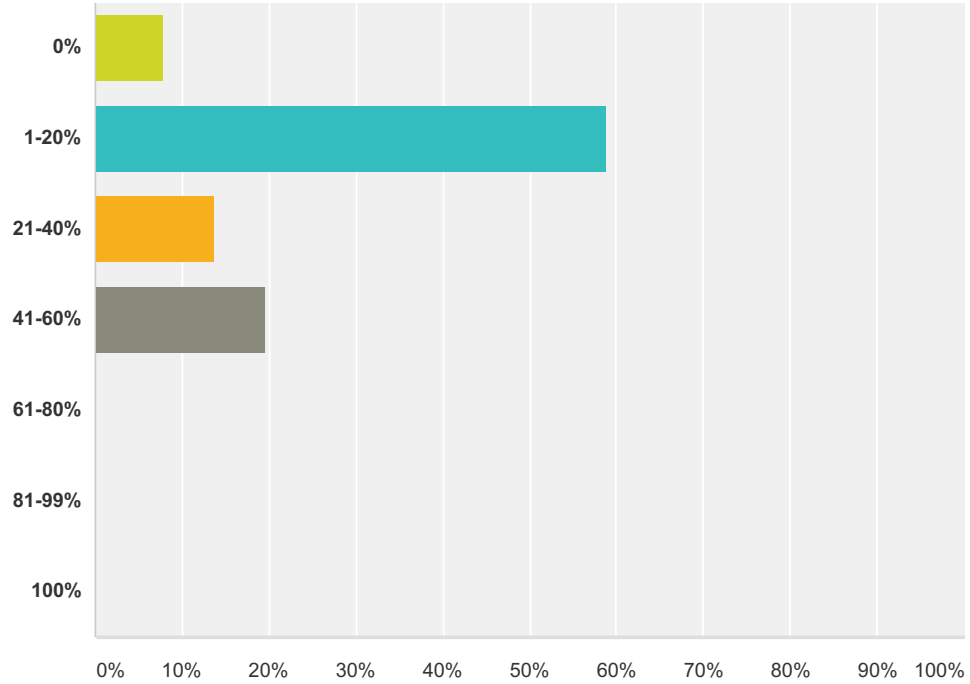
Answered: 51 Skipped: 33



Answer Choices	Responses
1-10	7.84% 4
11-25	17.65% 9
26-50	23.53% 12
51-100	35.29% 18
101+	15.69% 8
Total	51

Q21 What approximate percentage of students enrolled in introductory CS are female?

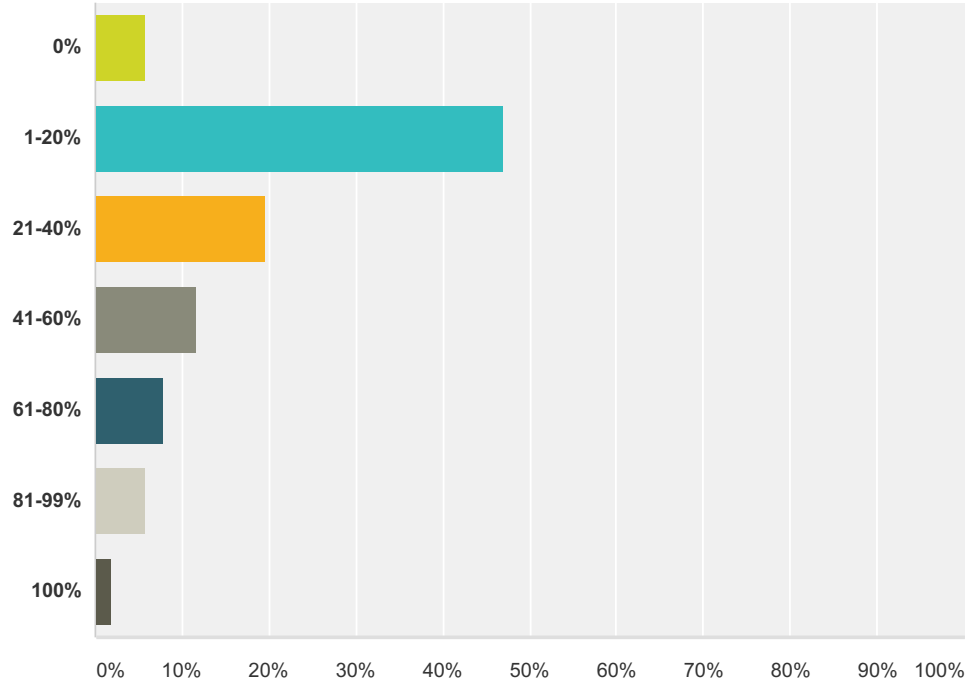
Answered: 51 Skipped: 33



Answer Choices	Responses
0%	7.84% 4
1-20%	58.82% 30
21-40%	13.73% 7
41-60%	19.61% 10
61-80%	0.00% 0
81-99%	0.00% 0
100%	0.00% 0
Total	51

Q22 What approximate percentage of students enrolled in introductory CS are members of an ethnic minority?

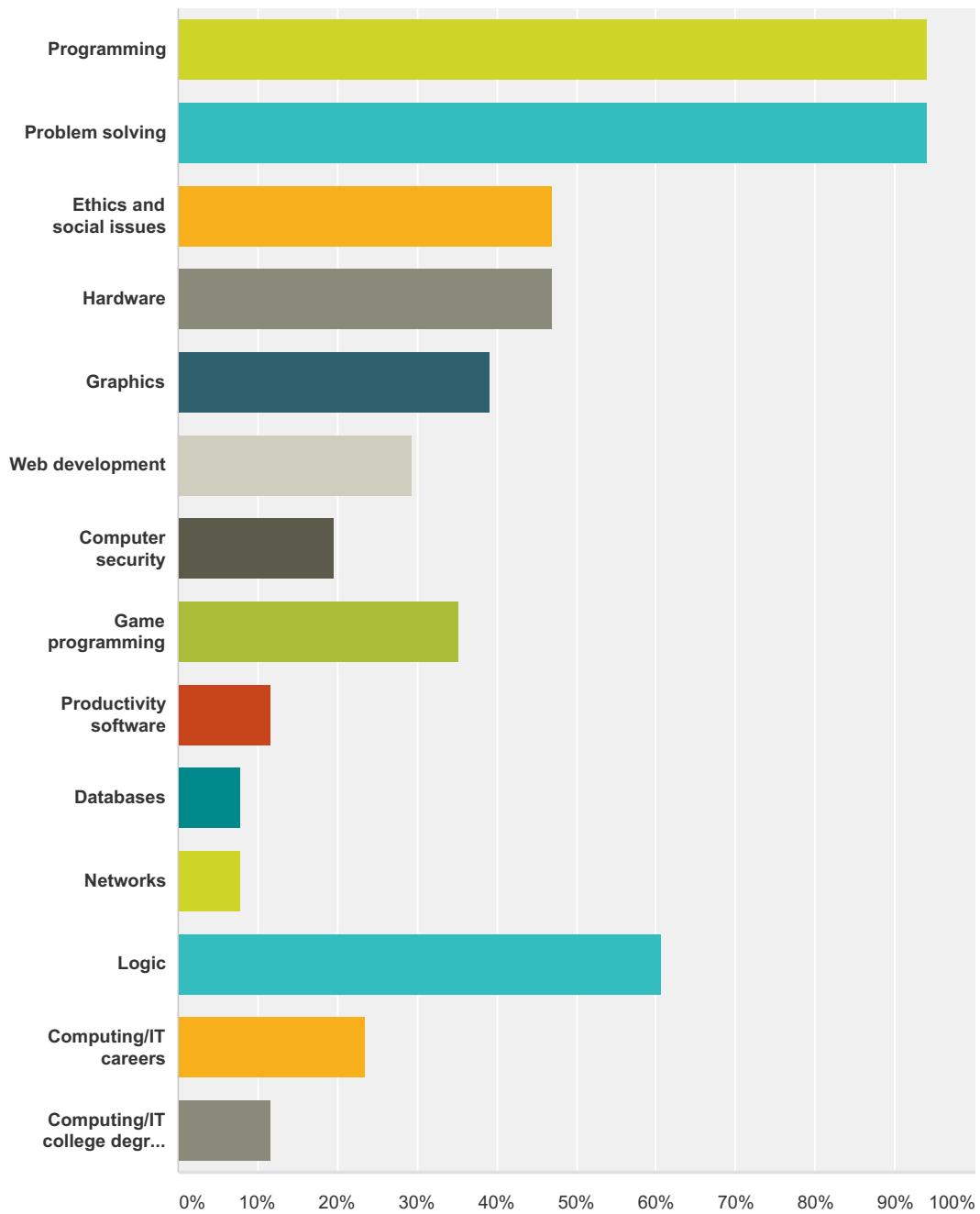
Answered: 51 Skipped: 33



Answer Choices	Responses
0%	5.88% 3
1-20%	47.06% 24
21-40%	19.61% 10
41-60%	11.76% 6
61-80%	7.84% 4
81-99%	5.88% 3
100%	1.96% 1
Total	51

Q23 What content is covered in introductory CS? (Check all that apply.)

Answered: 51 Skipped: 33



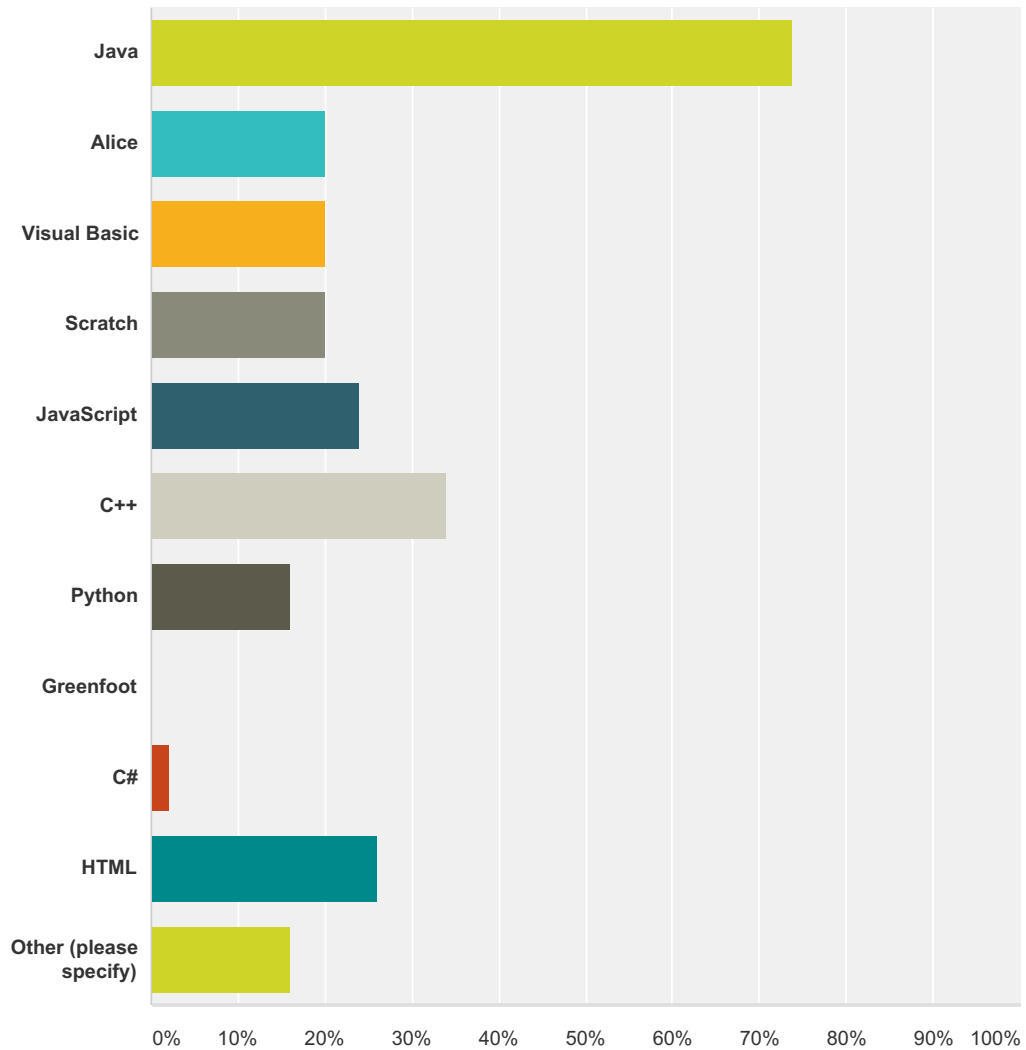
Answer Choices	Responses
Programming	94.12% 48
Problem solving	94.12% 48
Ethics and social issues	47.06% 24

Maryland High School Computer Science Survey (2014)

Hardware	47.06%	24
Graphics	39.22%	20
Web development	29.41%	15
Computer security	19.61%	10
Game programming	35.29%	18
Productivity software	11.76%	6
Databases	7.84%	4
Networks	7.84%	4
Logic	60.78%	31
Computing/IT careers	23.53%	12
Computing/IT college degrees and programs	11.76%	6
Total Respondents: 51		

Q24 What programming languages/software tools are used in introductory CS? (Check all that apply.)

Answered: 50 Skipped: 34



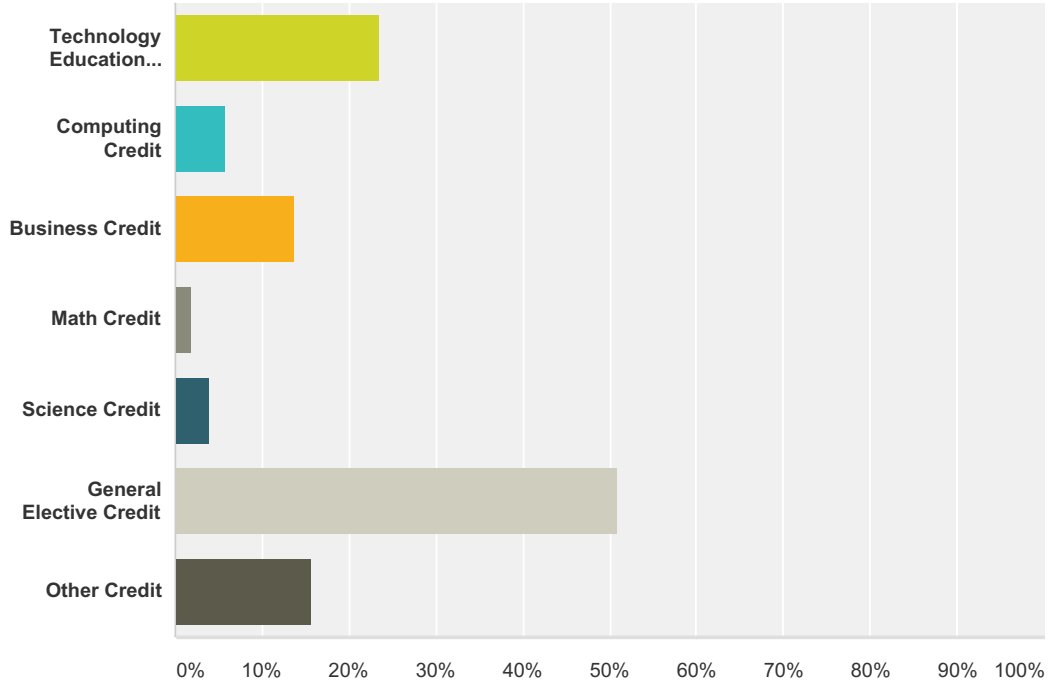
Answer Choices	Responses
Java	74.00% 37
Alice	20.00% 10
Visual Basic	20.00% 10
Scratch	20.00% 10
JavaScript	24.00% 12
C++	34.00% 17
Python	16.00% 8

Maryland High School Computer Science Survey (2014)

Greenfoot	0.00%	0
C#	2.00%	1
HTML	26.00%	13
Other (please specify)	16.00%	8
Total Respondents: 50		

Q25 What type of credit is earned by the introductory CS (pre-AP) courses? (Check all that apply.)

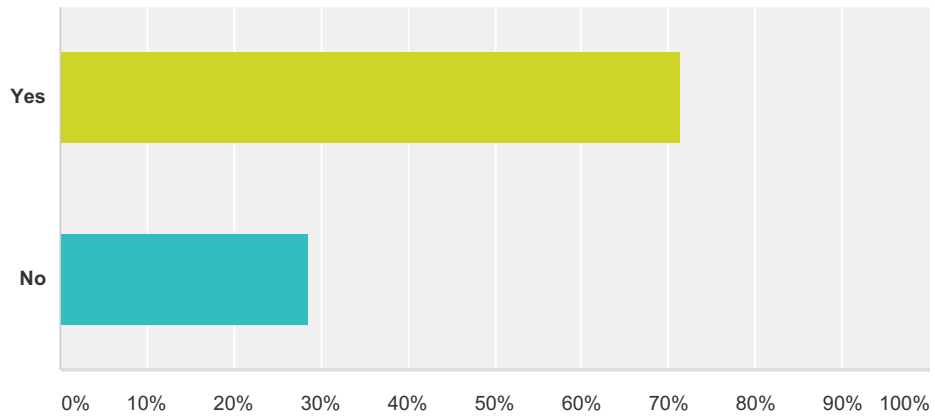
Answered: 51 Skipped: 33



Answer Choices	Responses
Technology Education Credit	23.53% 12
Computing Credit	5.88% 3
Business Credit	13.73% 7
Math Credit	1.96% 1
Science Credit	3.92% 2
General Elective Credit	50.98% 26
Other Credit	15.69% 8
Total Respondents: 51	

Q26 Does your school offer AP Computer Science?

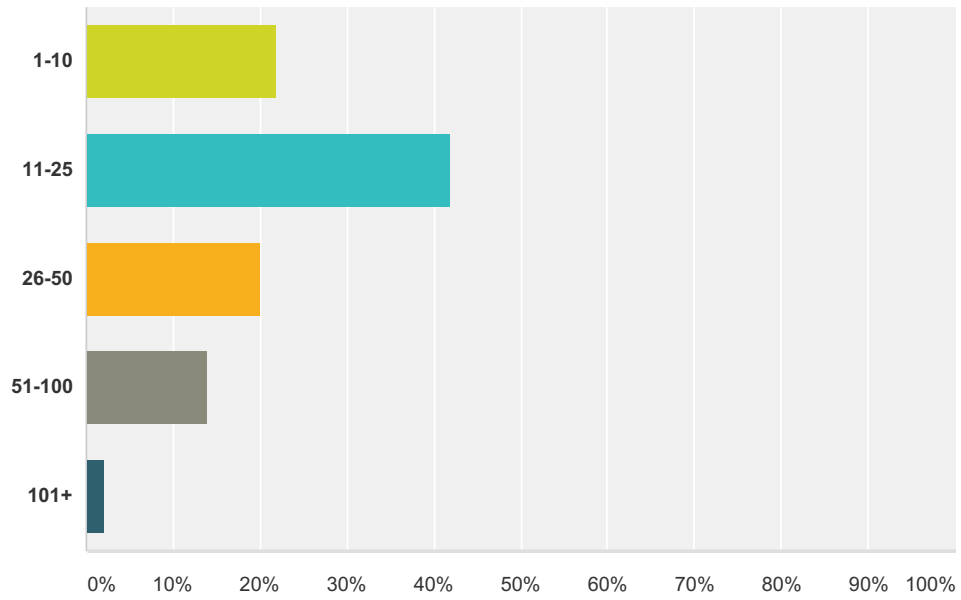
Answered: 70 Skipped: 14



Answer Choices	Responses
Yes	71.43% 50
No	28.57% 20
Total	70

Q27 How many students take AP CS each year?

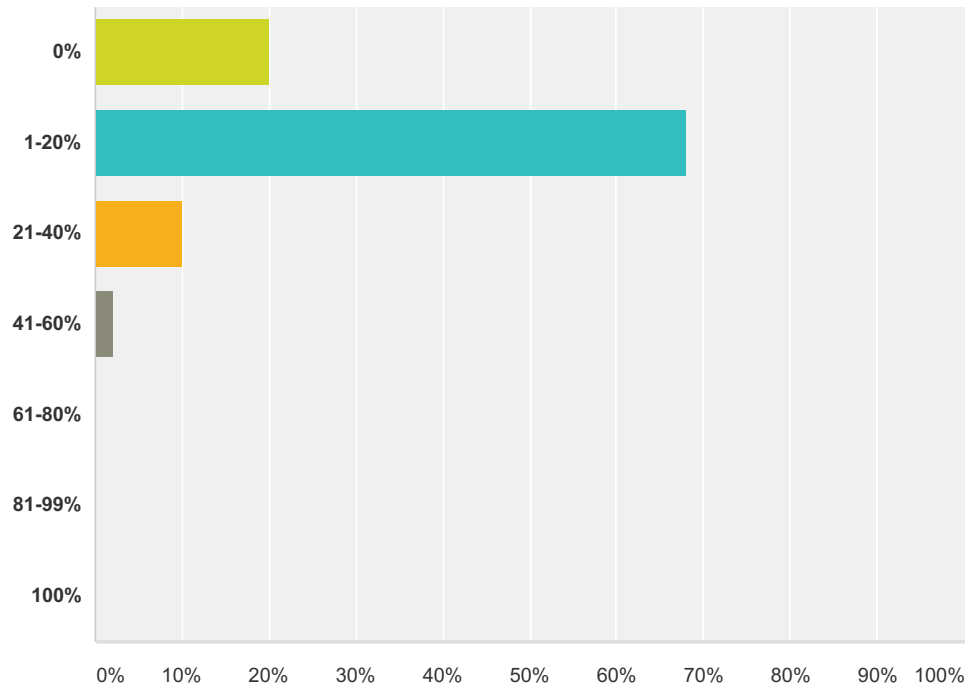
Answered: 50 Skipped: 34



Answer Choices	Responses	
1-10	22.00%	11
11-25	42.00%	21
26-50	20.00%	10
51-100	14.00%	7
101+	2.00%	1
Total		50

Q28 What percentage of students enrolled in AP CS are female?

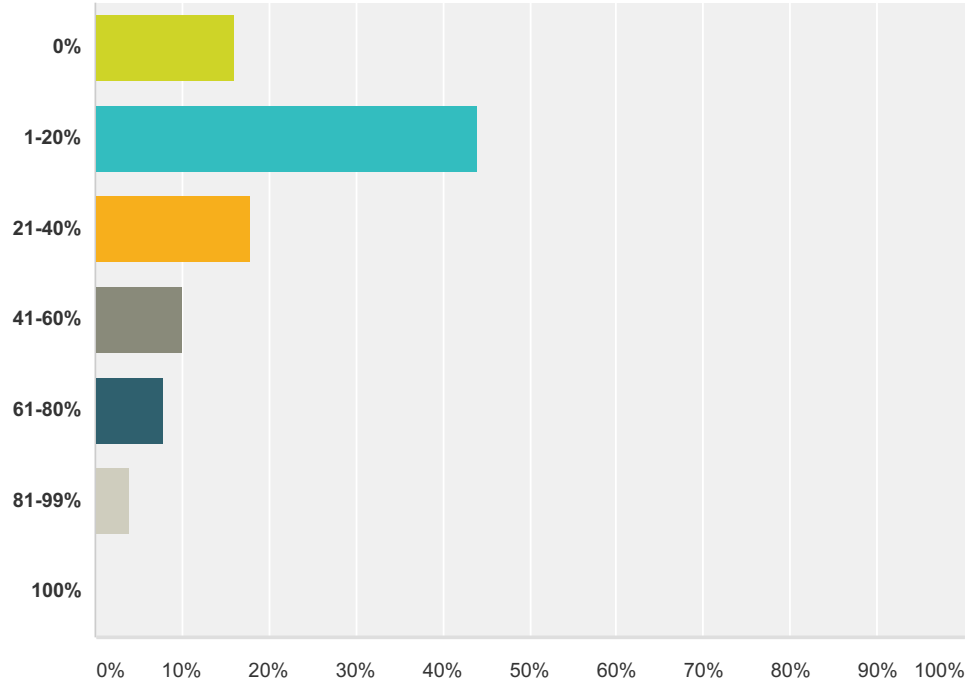
Answered: 50 Skipped: 34



Answer Choices	Responses
0%	20.00% 10
1-20%	68.00% 34
21-40%	10.00% 5
41-60%	2.00% 1
61-80%	0.00% 0
81-99%	0.00% 0
100%	0.00% 0
Total	50

Q29 What percentage of students enrolled in AP CS are members of an ethnic minority?

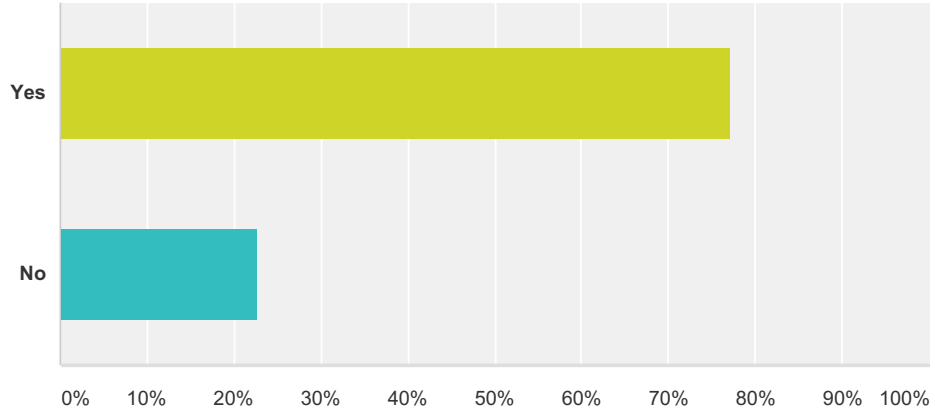
Answered: 50 Skipped: 34



Answer Choices	Responses
0%	16.00% 8
1-20%	44.00% 22
21-40%	18.00% 9
41-60%	10.00% 5
61-80%	8.00% 4
81-99%	4.00% 2
100%	0.00% 0
Total	50

Q30 Does your school offer CS/IT courses other than introductory and AP Computer Science?

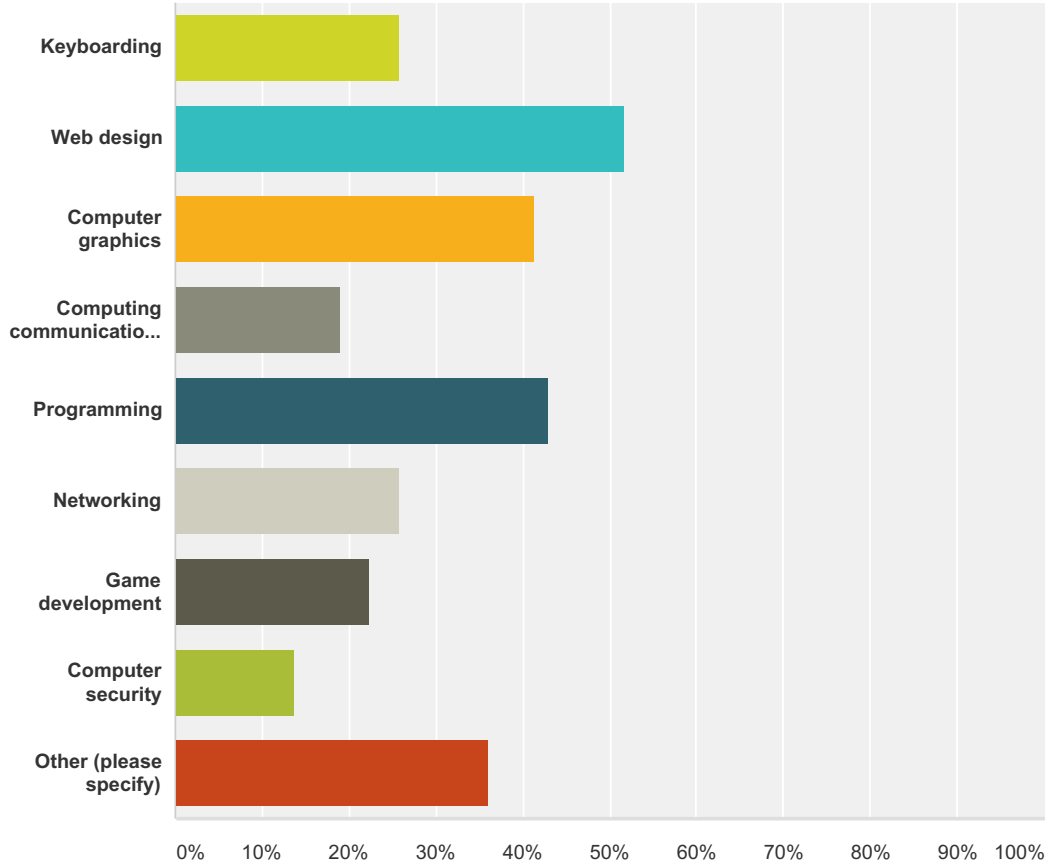
Answered: 70 Skipped: 14



Answer Choices	Responses
Yes	77.14% 54
No	22.86% 16
Total	70

**Q31 If your school offers other CS/IT courses, which of the following are offered?
(Check all that apply.)**

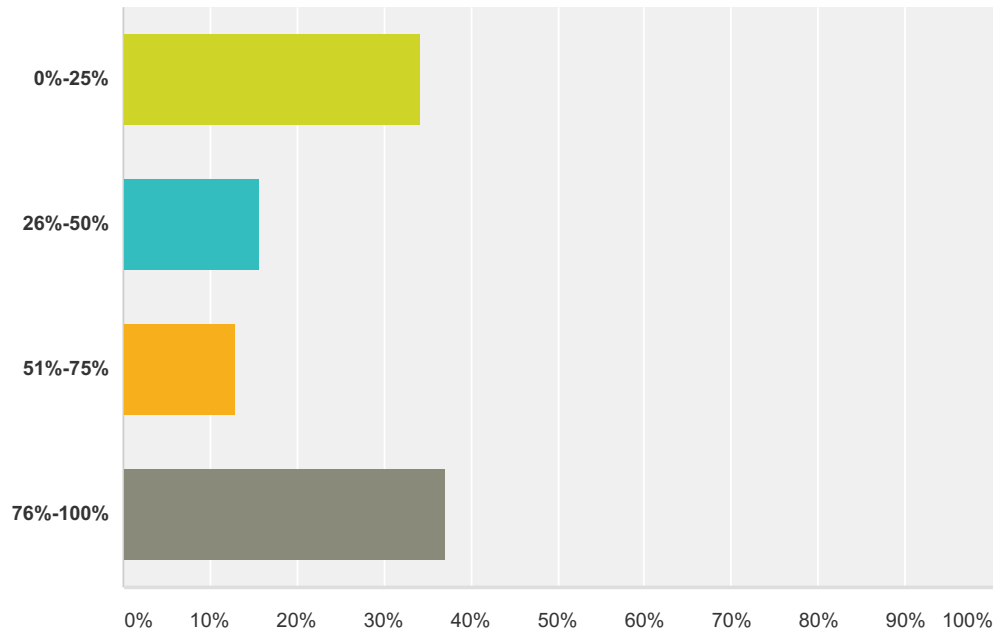
Answered: 58 Skipped: 26



Answer Choices	Responses	Count
Keyboarding	25.86%	15
Web design	51.72%	30
Computer graphics	41.38%	24
Computing communications/media	18.97%	11
Programming	43.10%	25
Networking	25.86%	15
Game development	22.41%	13
Computer security	13.79%	8
Other (please specify)	36.21%	21
Total Respondents: 58		

Q32 In a typical year, what percentage of the courses you teach are CS/IT courses?

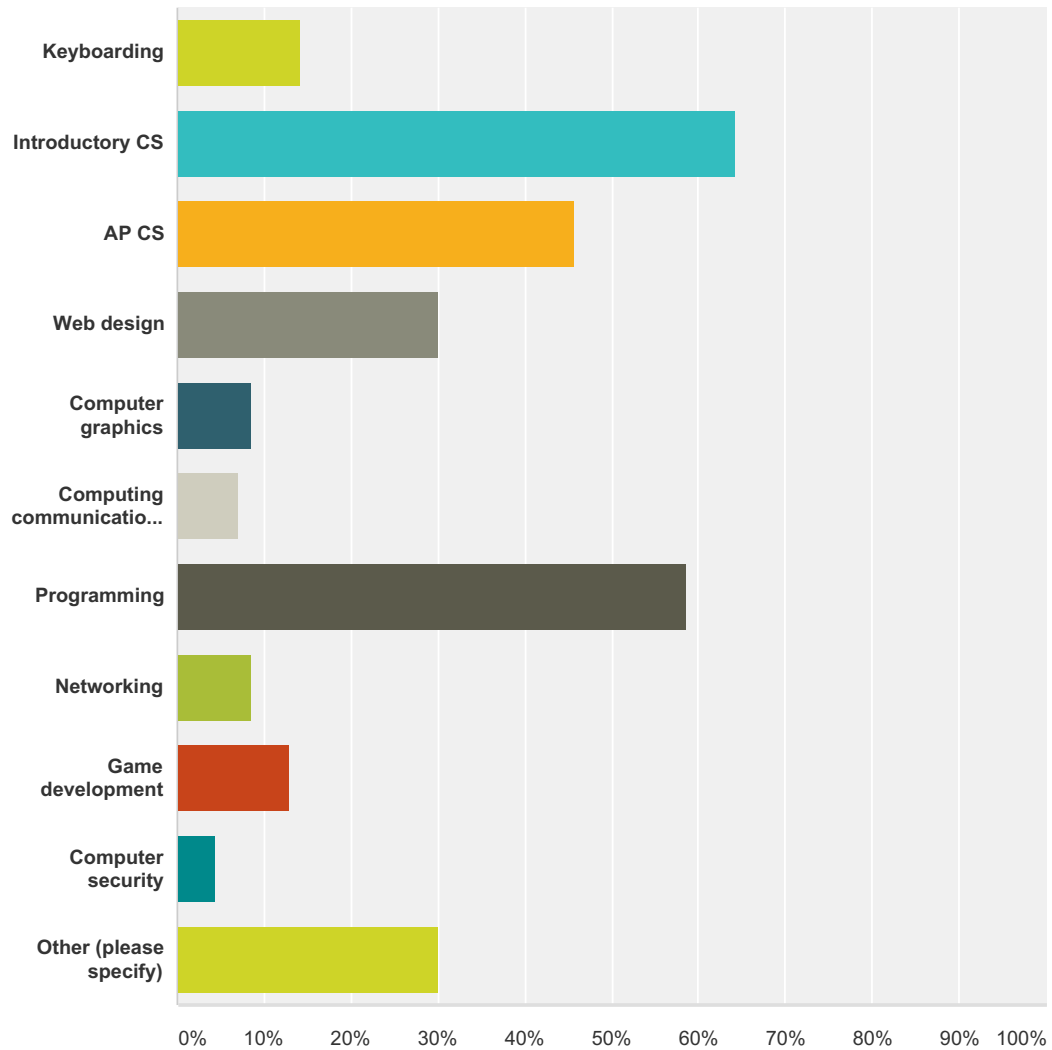
Answered: 70 Skipped: 14



Answer Choices	Responses	Count
0%-25%	34.29%	24
26%-50%	15.71%	11
51%-75%	12.86%	9
76%-100%	37.14%	26
Total		70

Q33 Which of the following courses have you taught in the past three years? (Check all that apply.)

Answered: 70 Skipped: 14



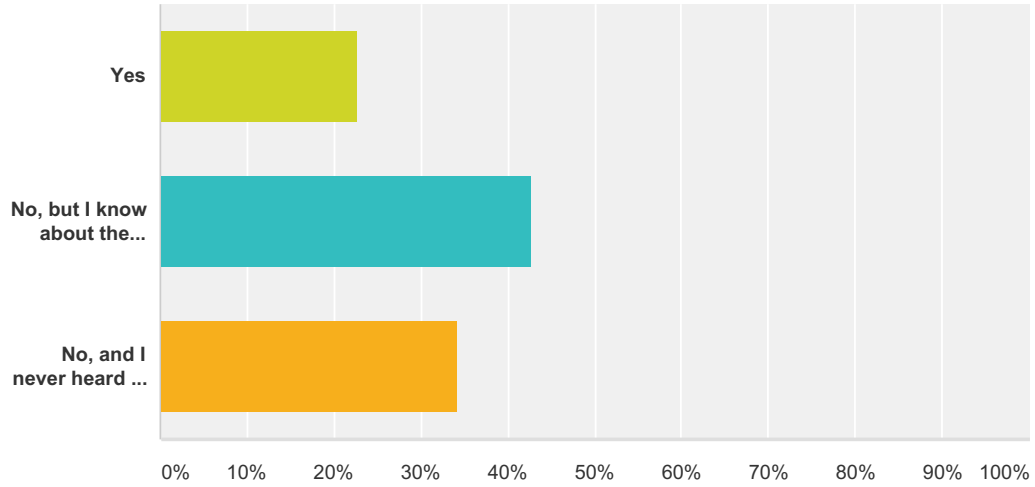
Answer Choices	Responses
Keyboarding	14.29% 10
Introductory CS	64.29% 45
AP CS	45.71% 32
Web design	30.00% 21
Computer graphics	8.57% 6
Computing communications/media	7.14% 5
Programming	58.57% 41

Maryland High School Computer Science Survey (2014)

Networking	8.57%	6
Game development	12.86%	9
Computer security	4.29%	3
Other (please specify)	30.00%	21
Total Respondents: 70		

Q34 Do you use all or part of the standard curriculum as outlined in the ACM/CSTA Model Curriculum for K-12 Computer Science?

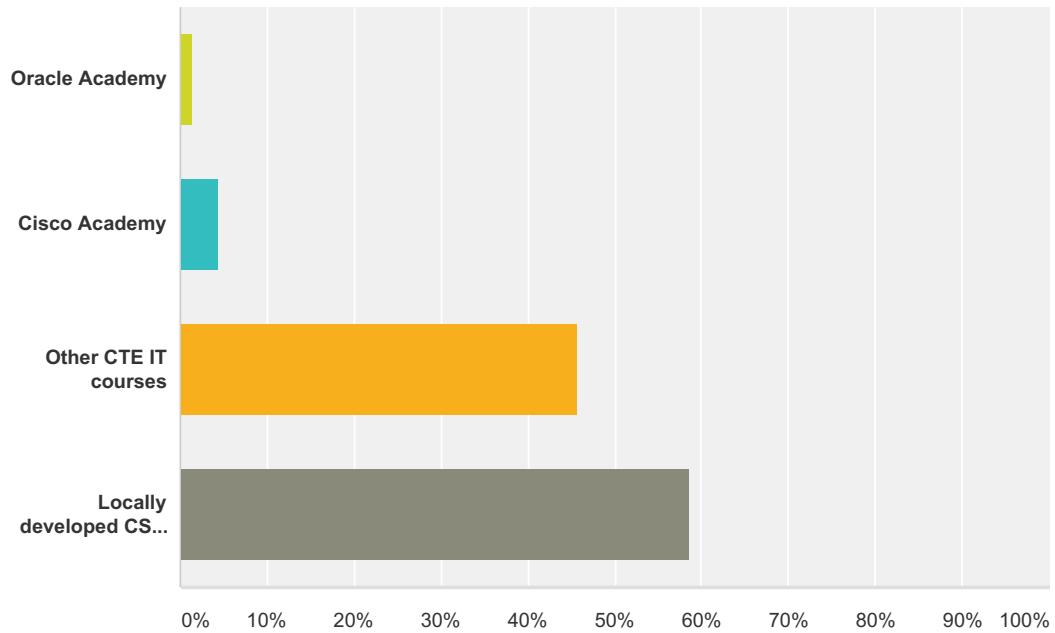
Answered: 70 Skipped: 14



Answer Choices	Responses
Yes	22.86% 16
No, but I know about the ACM/CSTA Model Curriculum	42.86% 30
No, and I never heard of the ACM/CSTA Model Curriculum	34.29% 24
Total	70

Q35 Are the courses that you teach part of any of the following? (Check all that apply.)

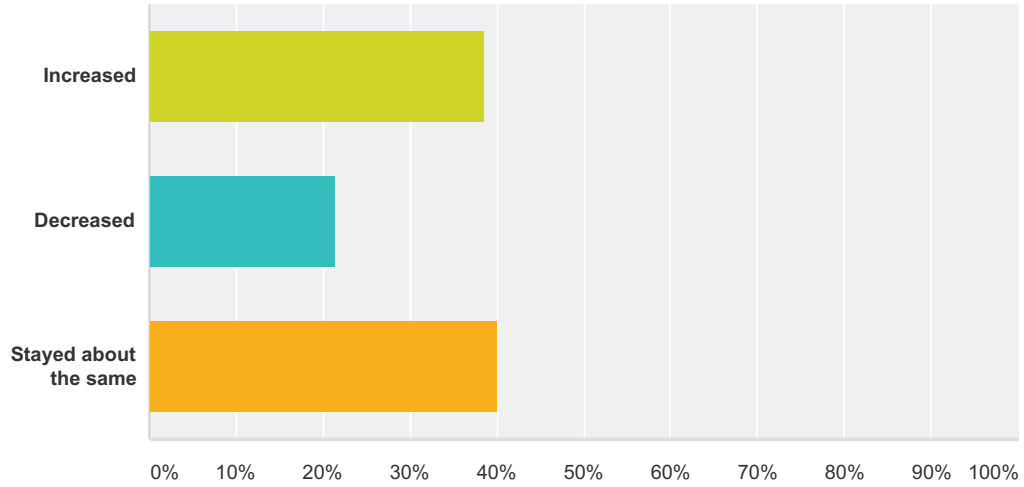
Answered: 70 Skipped: 14



Answer Choices	Responses
Oracle Academy	1.43% 1
Cisco Academy	4.29% 3
Other CTE IT courses	45.71% 32
Locally developed CS/IT courses not part of CTE course offerings	58.57% 41
Total Respondents: 70	

Q36 How has the number of CS/IT classes (total number of sections) taught at your school changed over the past three (3) years?

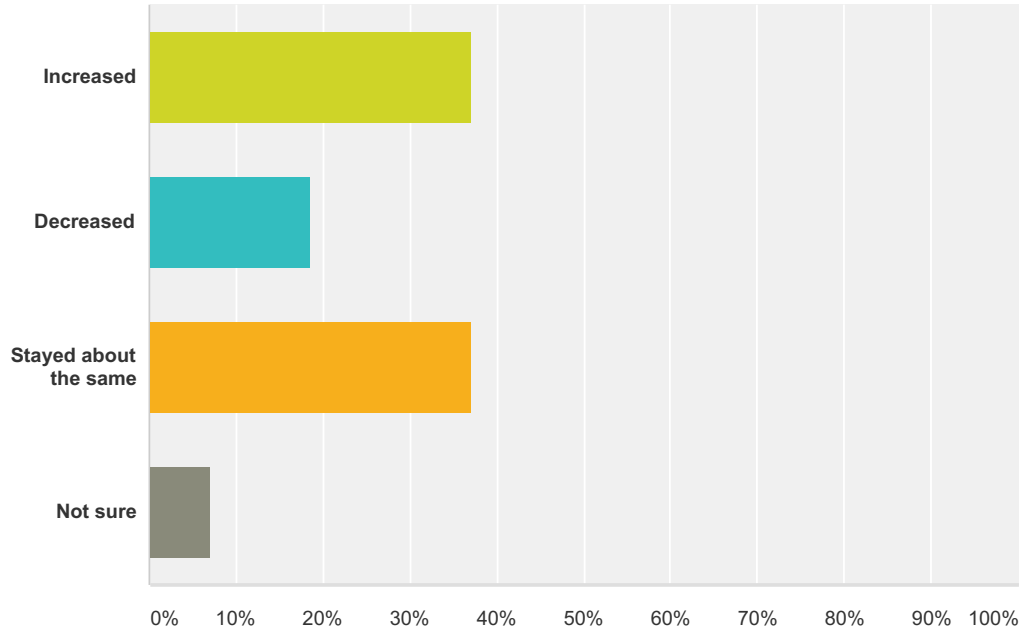
Answered: 70 Skipped: 14



Answer Choices	Responses	
Increased	38.57%	27
Decreased	21.43%	15
Stayed about the same	40.00%	28
Total		70

Q37 How has the number of students taking CS/IT classes changed in the last three years?

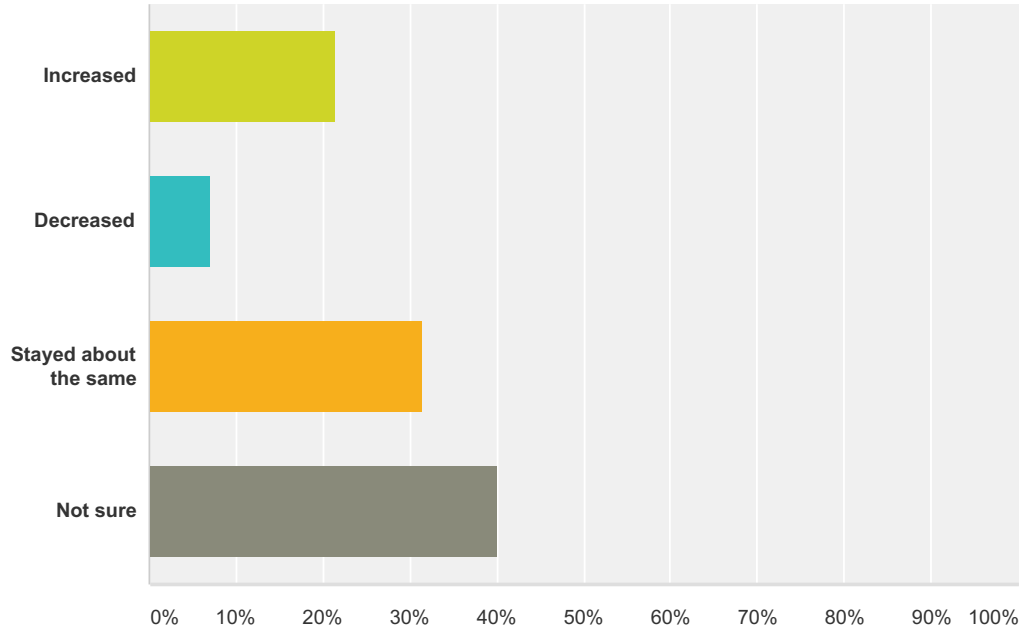
Answered: 70 Skipped: 14



Answer Choices	Responses
Increased	37.14% 26
Decreased	18.57% 13
Stayed about the same	37.14% 26
Not sure	7.14% 5
Total	70

Q38 Has the number of students who request to take CS/IT classes but are not placed into those classes changed in the last three years?

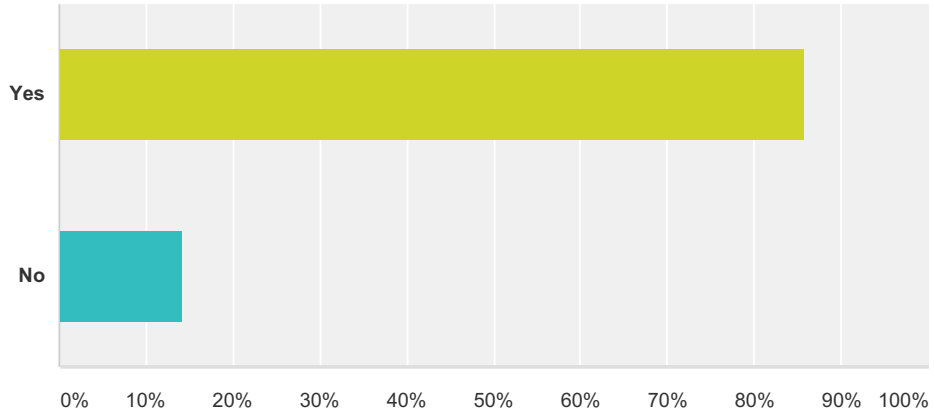
Answered: 70 Skipped: 14



Answer Choices	Responses	
Increased	21.43%	15
Decreased	7.14%	5
Stayed about the same	31.43%	22
Not sure	40.00%	28
Total		70

Q39 In your judgement, do you think there are students who should be taking CS course(s) that your school offers, but who are not?

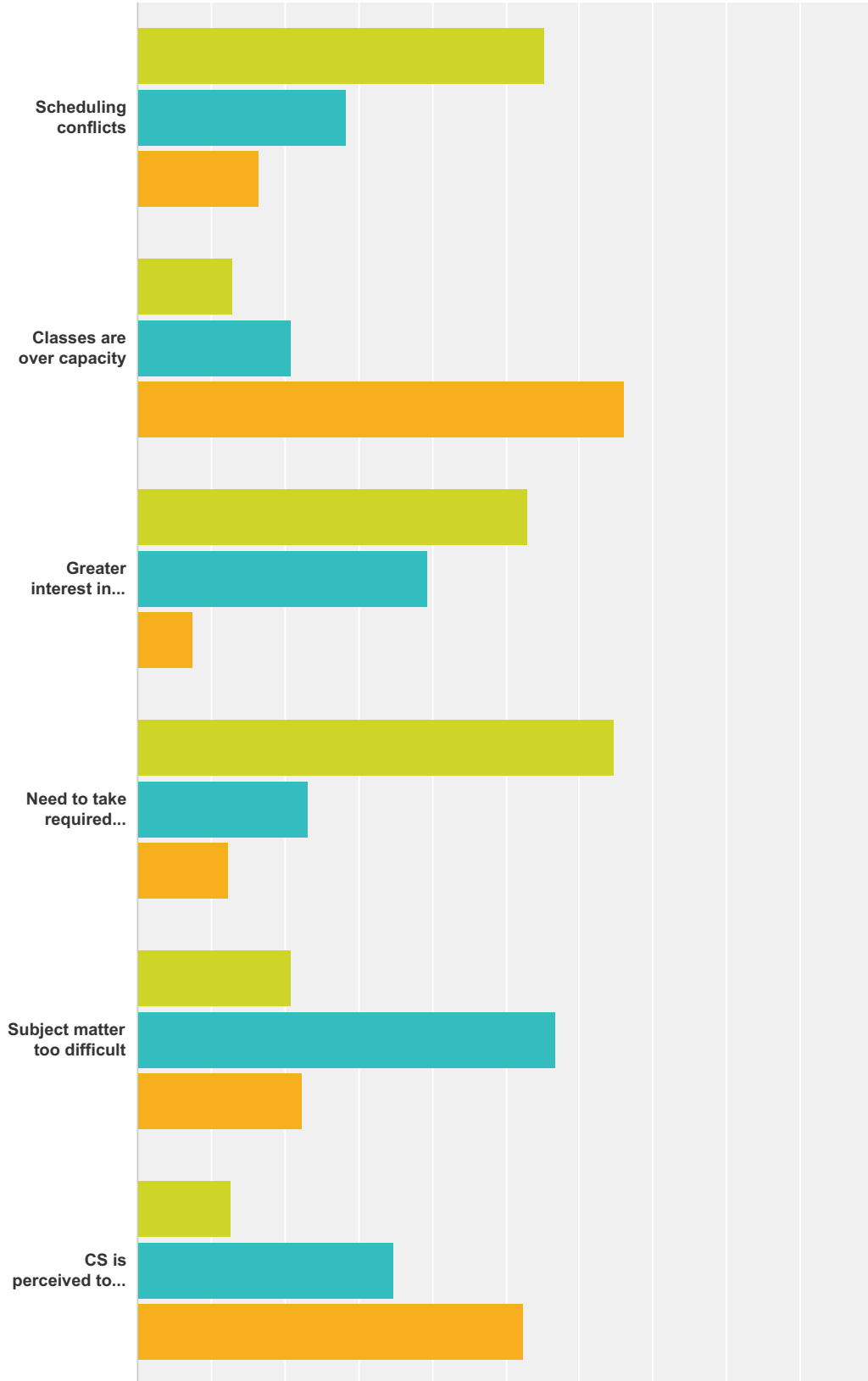
Answered: 70 Skipped: 14



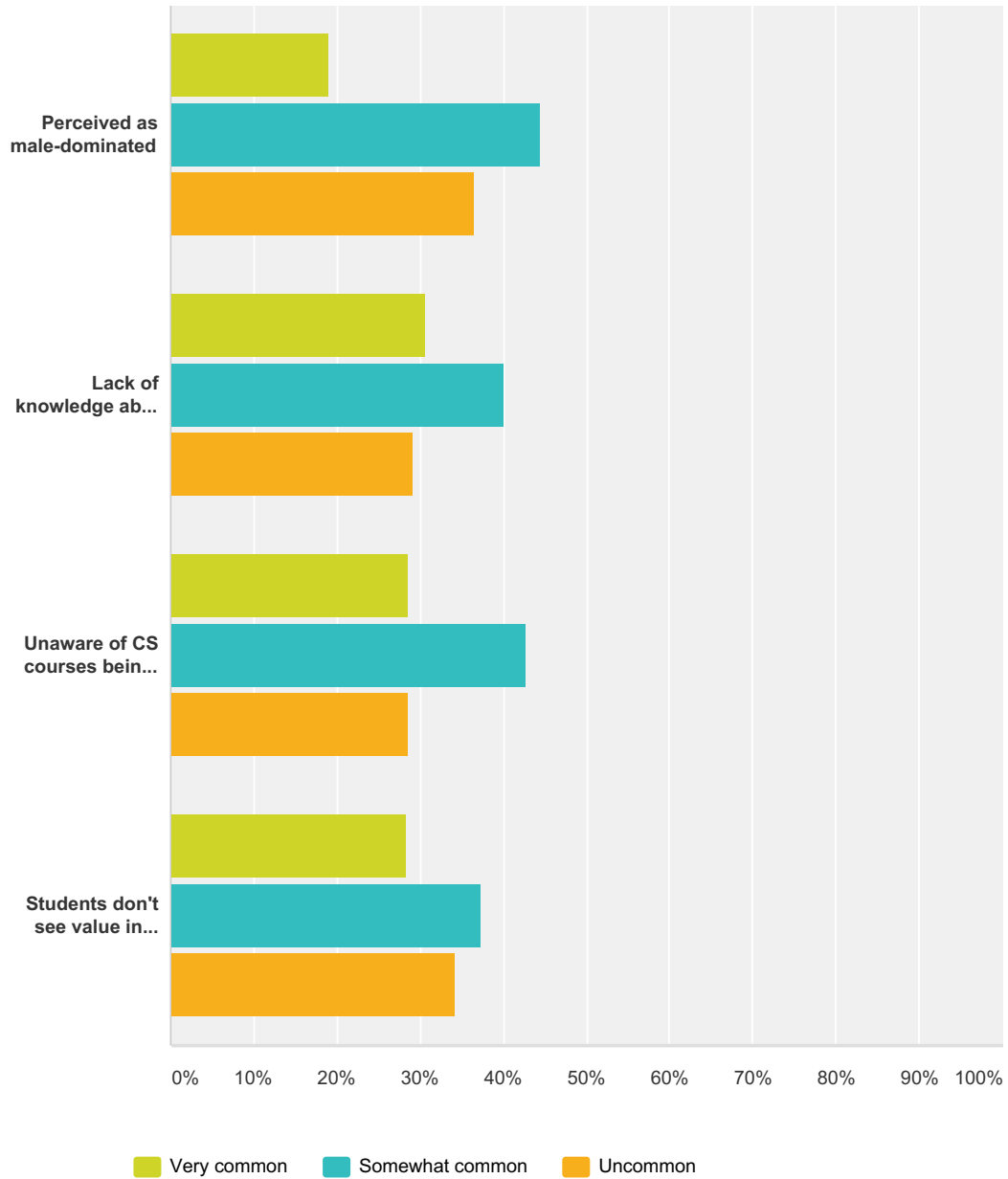
Answer Choices	Responses
Yes	85.71% 60
No	14.29% 10
Total	70

Q40 Why are these students not taking the CS courses your school offers? (Rate each reason.)

Answered: 70 Skipped: 14



Maryland High School Computer Science Survey (2014)



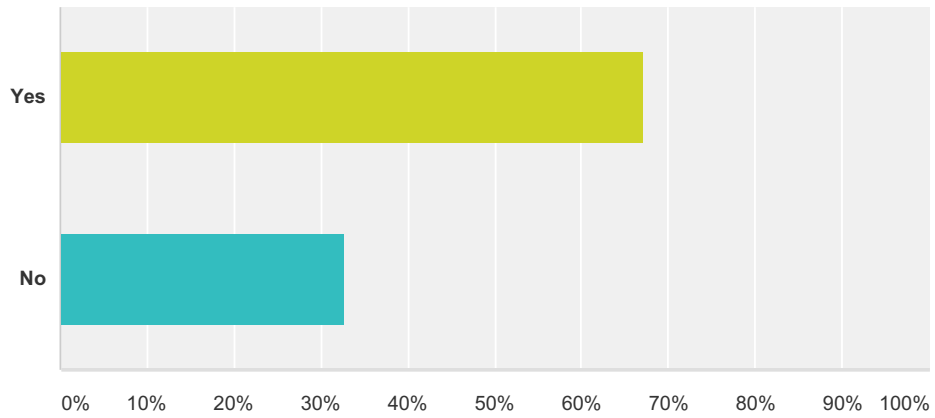
	Very common	Somewhat common	Uncommon	Total
Scheduling conflicts	55.22% 37	28.36% 19	16.42% 11	67
Classes are over capacity	12.90% 8	20.97% 13	66.13% 41	62
Greater interest in other subjects	53.03% 35	39.39% 26	7.58% 5	66
Need to take required courses rather than CS	64.62% 42	23.08% 15	12.31% 8	65
Subject matter too difficult	20.90% 14	56.72% 38	22.39% 15	67
CS is perceived to be "geeky"	12.70% 8	34.92% 22	52.38% 33	63

Maryland High School Computer Science Survey (2014)

Perceived as male-dominated	19.05% 12	44.44% 28	36.51% 23	63
Lack of knowledge about careers in computing	30.77% 20	40.00% 26	29.23% 19	65
Unaware of CS courses being offered by school	28.57% 18	42.86% 27	28.57% 18	63
Students don't see value in taking CS	28.36% 19	37.31% 25	34.33% 23	67

Q41 In your judgement, do you think that your school should offer more CS courses?

Answered: 70 Skipped: 14



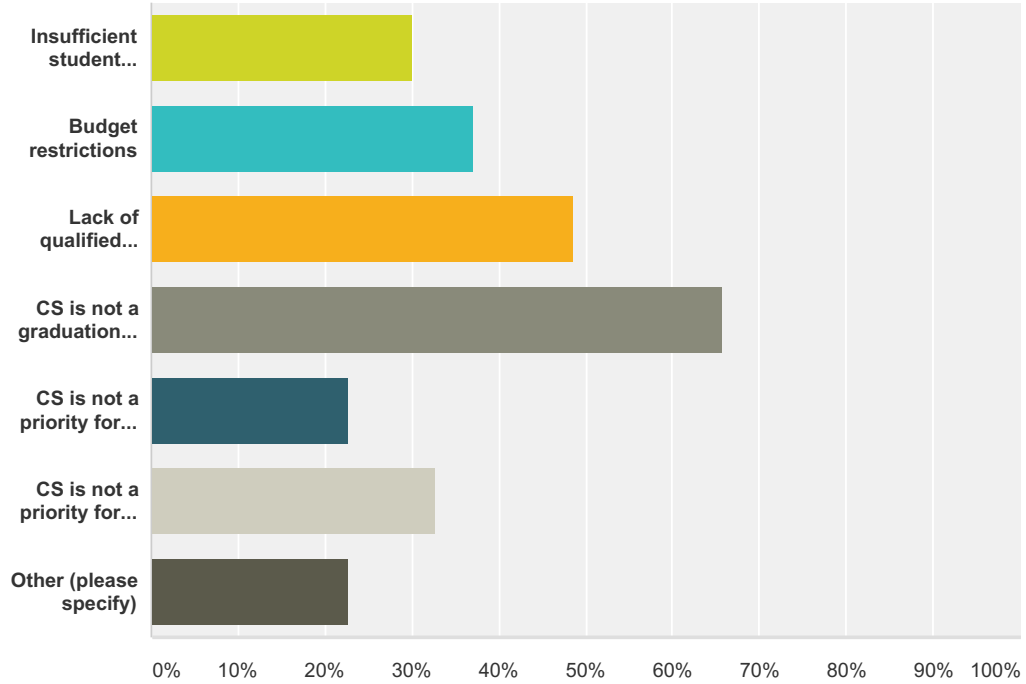
Answer Choices	Responses
Yes	67.14% 47
No	32.86% 23
Total	70

Q42 If yes, what CS courses should be added?

Answered: 43 Skipped: 41

Q43 What are some of the reasons why your school does not offer more computer science courses? (Check all that apply.)

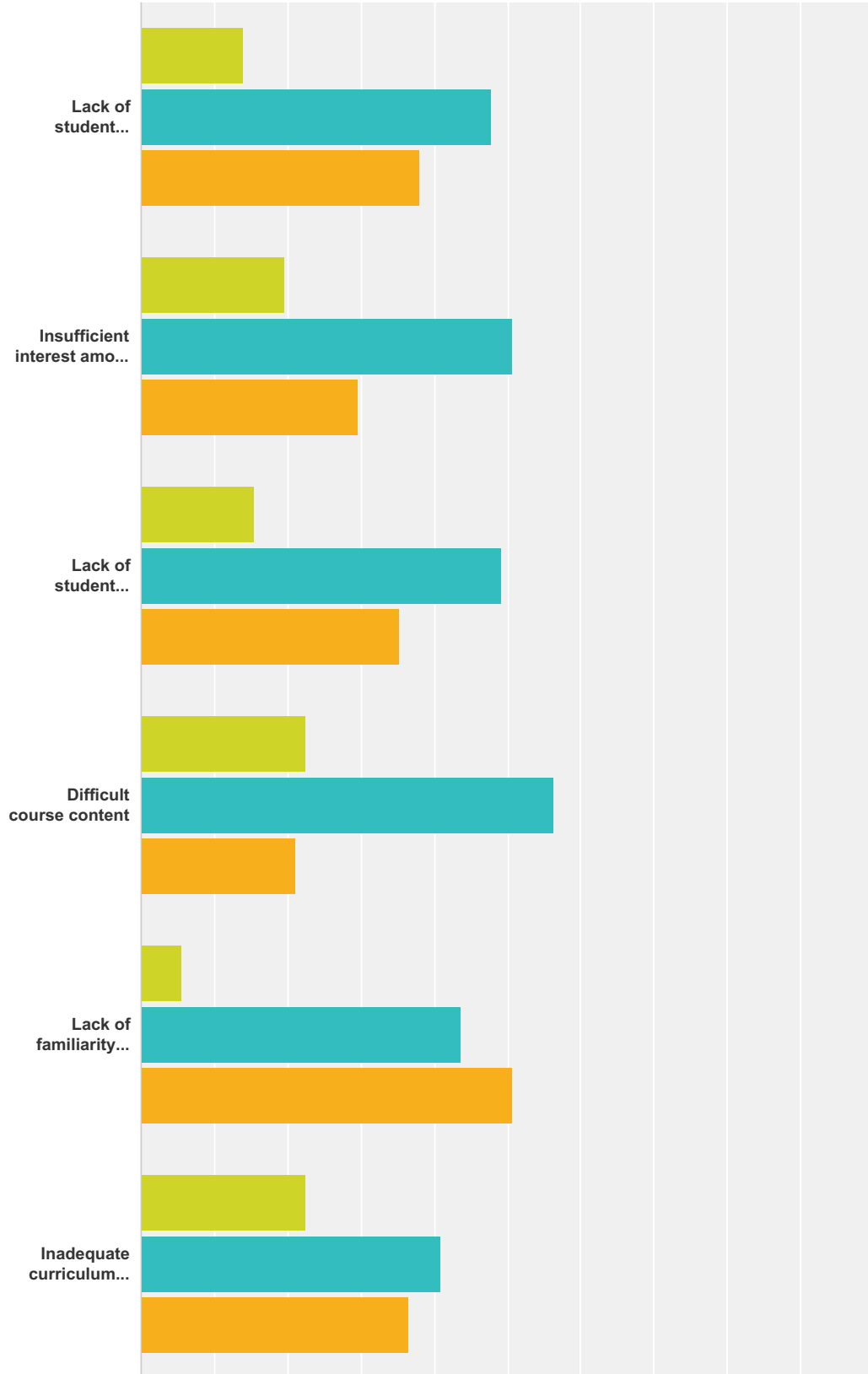
Answered: 70 Skipped: 14



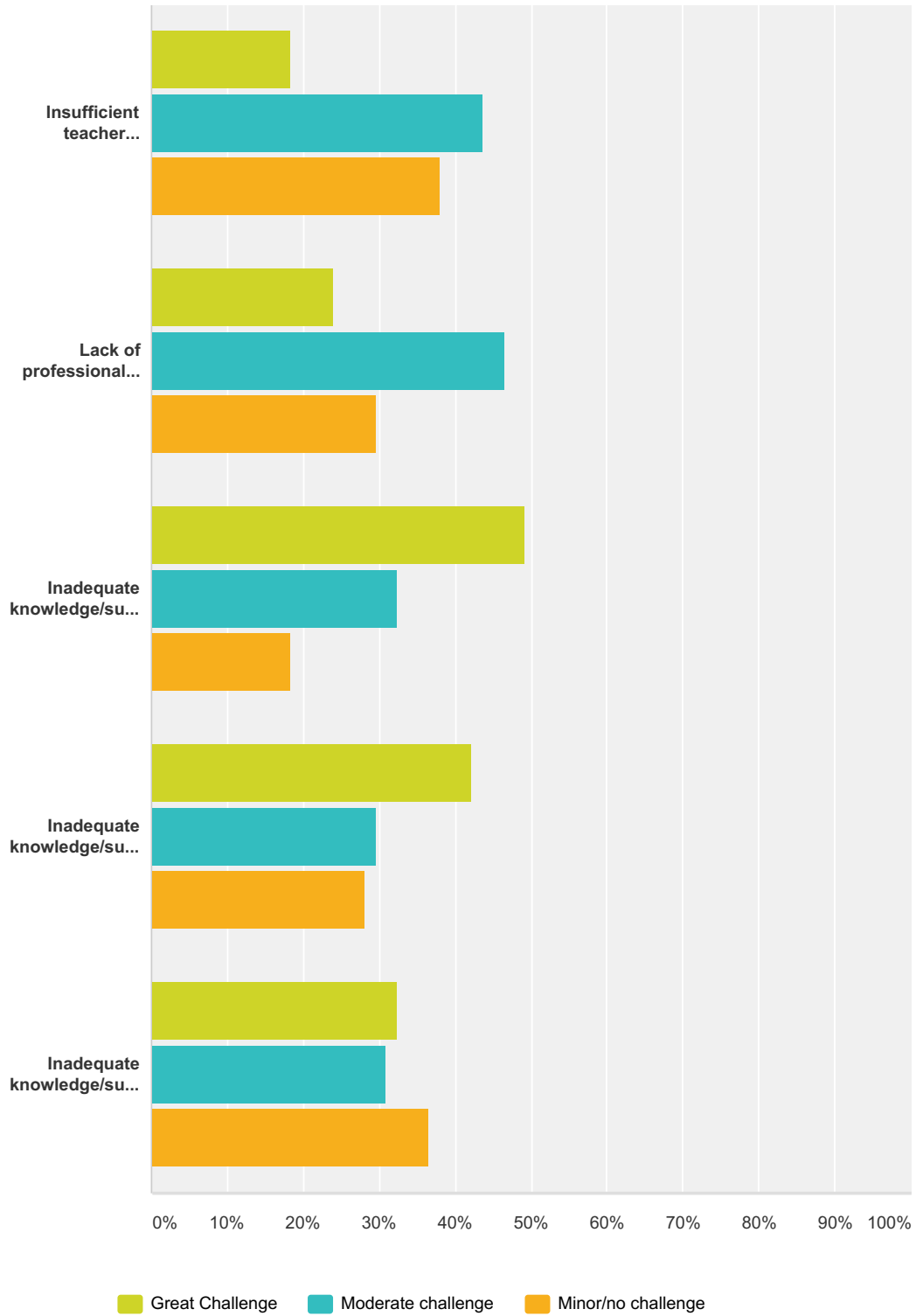
Answer Choices	Responses
Insufficient student interest	30.00% 21
Budget restrictions	37.14% 26
Lack of qualified teachers	48.57% 34
CS is not a graduation requirement	65.71% 46
CS is not a priority for my high school	22.86% 16
CS is not a priority for the school system	32.86% 23
Other (please specify)	22.86% 16
Total Respondents: 70	

Q44 What do you perceive as the greatest challenges in teaching CS? (Please rate each challenge.)

Answered: 71 Skipped: 13



Maryland High School Computer Science Survey (2014)



	Great Challenge	Moderate challenge	Minor/no challenge	Total
Lack of student interest	14.08% 10	47.89% 34	38.03% 27	71
Insufficient interest among women and minorities	19.72% 14	50.70% 36	29.58% 21	71
Lack of student preparation	15.49% 11	49.30% 35	35.21% 25	71

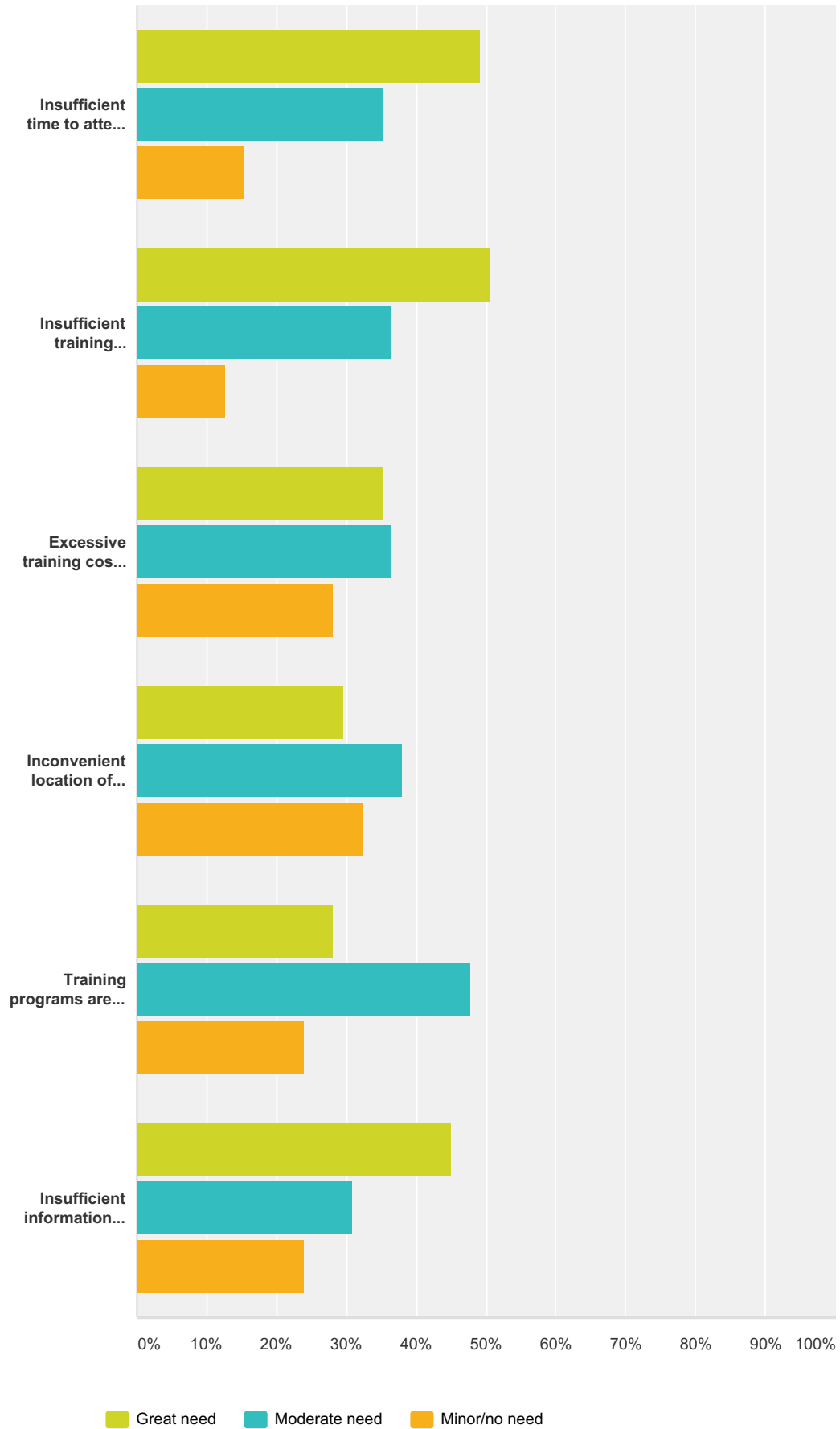
Maryland High School Computer Science Survey (2014)

Difficult course content	22.54% 16	56.34% 40	21.13% 15	71
Lack of familiarity with curriculum standards	5.63% 4	43.66% 31	50.70% 36	71
Inadequate curriculum materials	22.54% 16	40.85% 29	36.62% 26	71
Insufficient teacher knowledge / professional development	18.31% 13	43.66% 31	38.03% 27	71
Lack of professional learning community of CS teachers	23.94% 17	46.48% 33	29.58% 21	71
Inadequate knowledge/support by school/county administration	49.30% 35	32.39% 23	18.31% 13	71
Inadequate knowledge/support by guidance staff	42.25% 30	29.58% 21	28.17% 20	71
Inadequate knowledge/support by parents	32.39% 23	30.99% 22	36.62% 26	71

Q45 What do you perceive as the greatest professional development needs?

Answered: 71 Skipped: 13

Maryland High School Computer Science Survey (2014)

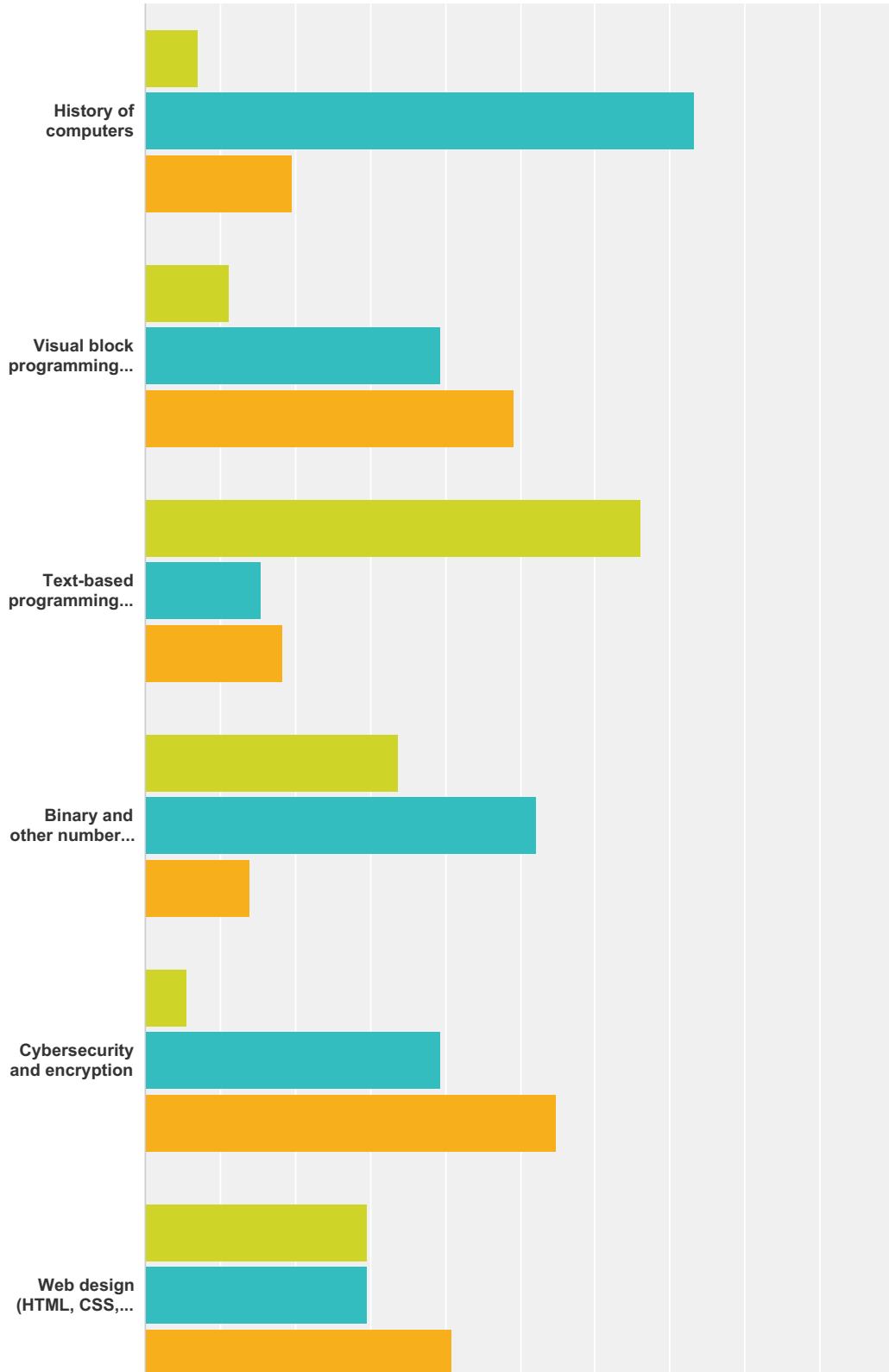


Maryland High School Computer Science Survey (2014)

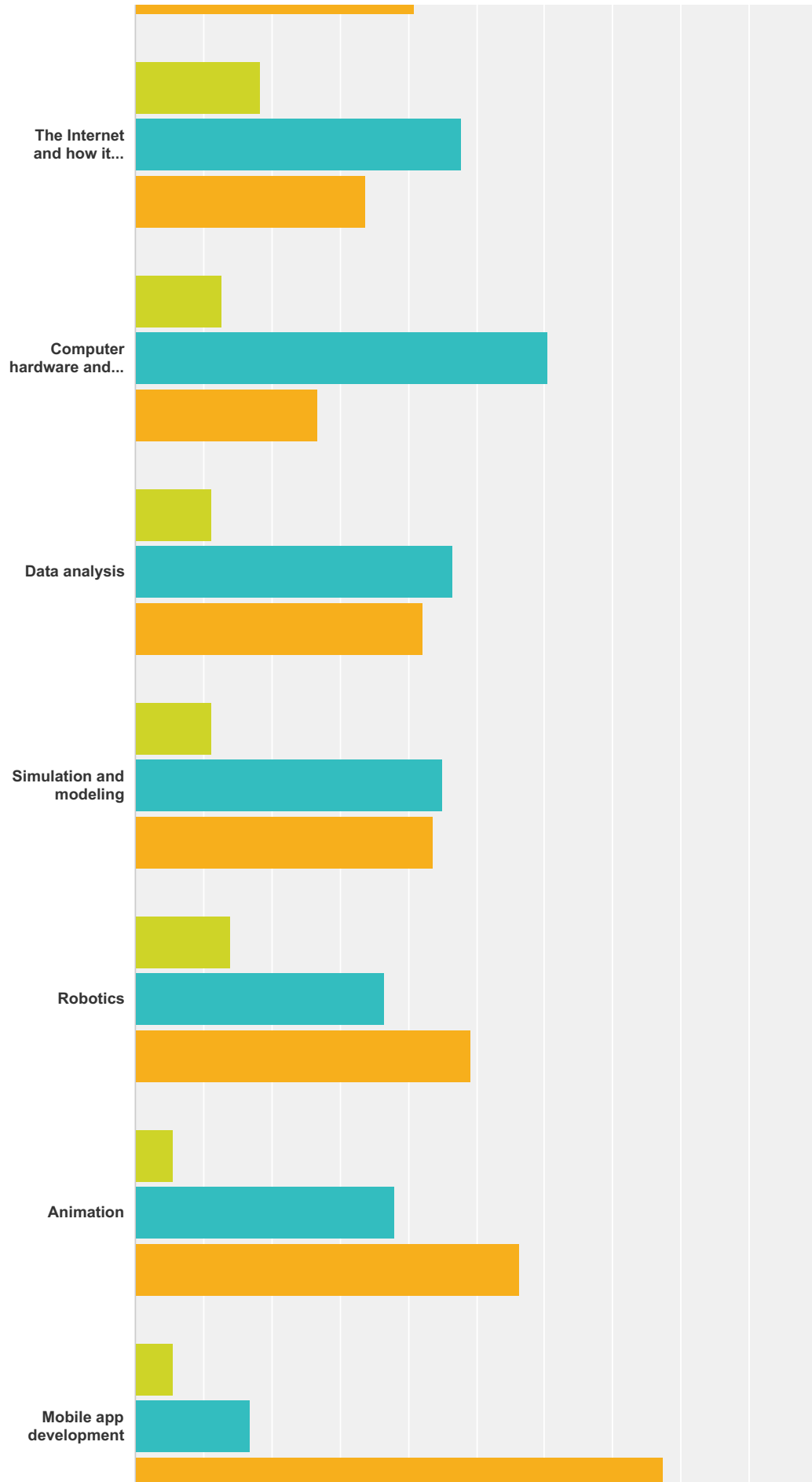
	Great need	Moderate need	Minor/no need	Total
Insufficient time to attend training	49.30% 35	35.21% 25	15.49% 11	71
Insufficient training programs	50.70% 36	36.62% 26	12.68% 9	71
Excessive training cost (and lack of reimbursement)	35.21% 25	36.62% 26	28.17% 20	71
Inconvenient location of training programs	29.58% 21	38.03% 27	32.39% 23	71
Training programs are not offered at convenient times	28.17% 20	47.89% 34	23.94% 17	71
Insufficient information about training programs	45.07% 32	30.99% 22	23.94% 17	71

Q46 In the courses you currently teach, what level of coverage do you provide for each of the following topic areas? (Please rank each.)

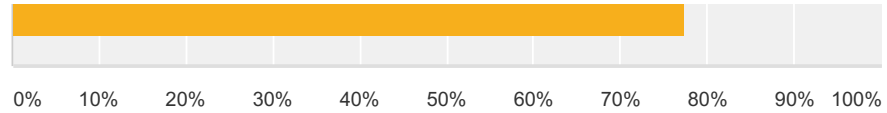
Answered: 71 Skipped: 13



Maryland High School Computer Science Survey (2014)



Maryland High School Computer Science Survey (2014)



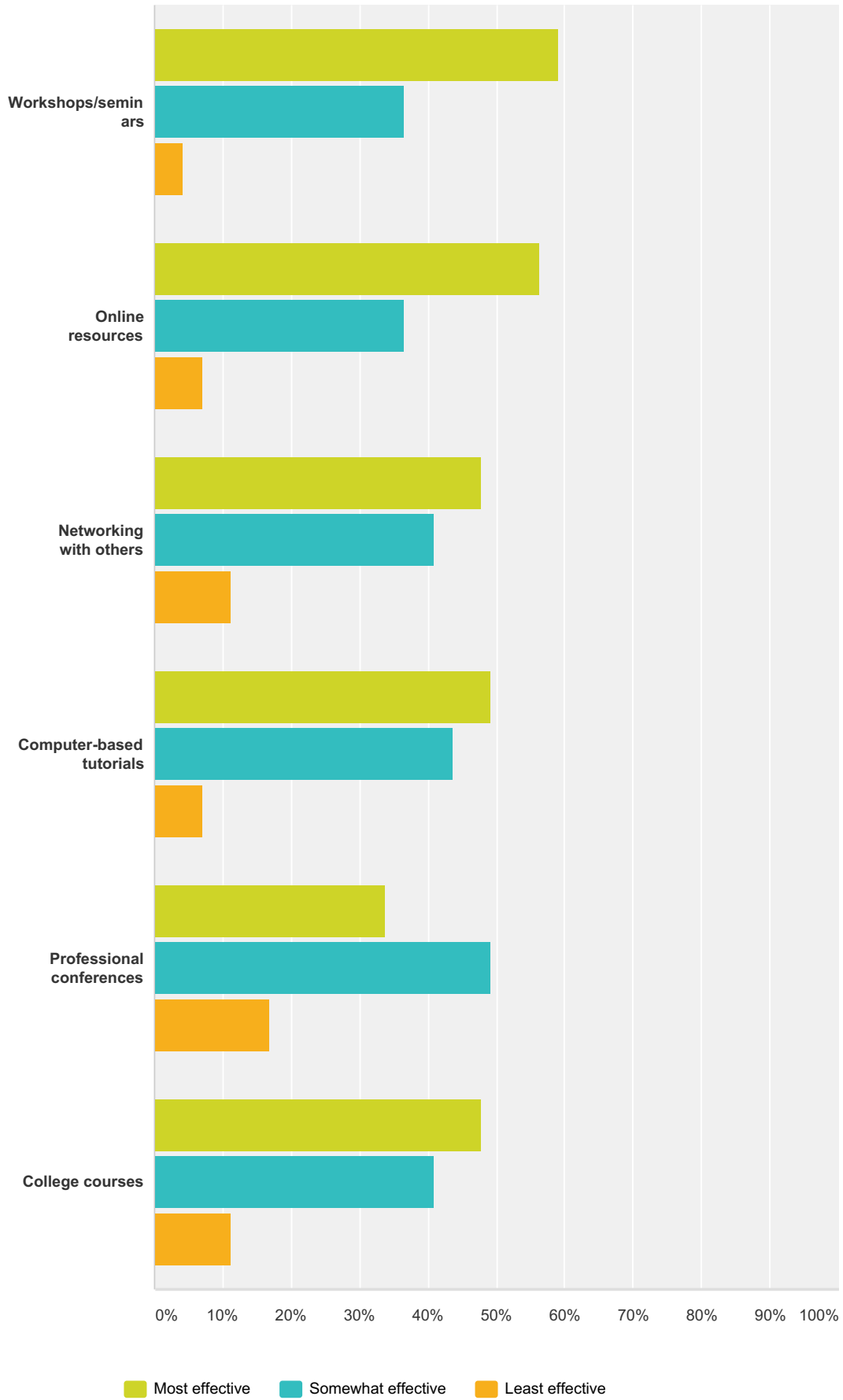
■ Extensively Addressed
 ■ Addressed Somewhat
 ■ Not Addressed

	Extensively Addressed	Addressed Somewhat	Not Addressed	Total
History of computers	7.04% 5	73.24% 52	19.72% 14	71
Visual block programming (Scratch, Blockly, App Inventor, etc.)	11.27% 8	39.44% 28	49.30% 35	71
Text-based programming (Java, Python, C++, etc.)	66.20% 47	15.49% 11	18.31% 13	71
Binary and other number systems	33.80% 24	52.11% 37	14.08% 10	71
Cybersecurity and encryption	5.63% 4	39.44% 28	54.93% 39	71
Web design (HTML, CSS, etc.)	29.58% 21	29.58% 21	40.85% 29	71
The Internet and how it works	18.31% 13	47.89% 34	33.80% 24	71
Computer hardware and/or networking	12.68% 9	60.56% 43	26.76% 19	71
Data analysis	11.27% 8	46.48% 33	42.25% 30	71
Simulation and modeling	11.27% 8	45.07% 32	43.66% 31	71
Robotics	14.08% 10	36.62% 26	49.30% 35	71
Animation	5.63% 4	38.03% 27	56.34% 40	71
Mobile app development	5.63% 4	16.90% 12	77.46% 55	71

Q47 What do you believe to be the most effective methods for delivering professional development to CS teachers? (Please rank each.)

Answered: 71 Skipped: 13

Maryland High School Computer Science Survey (2014)

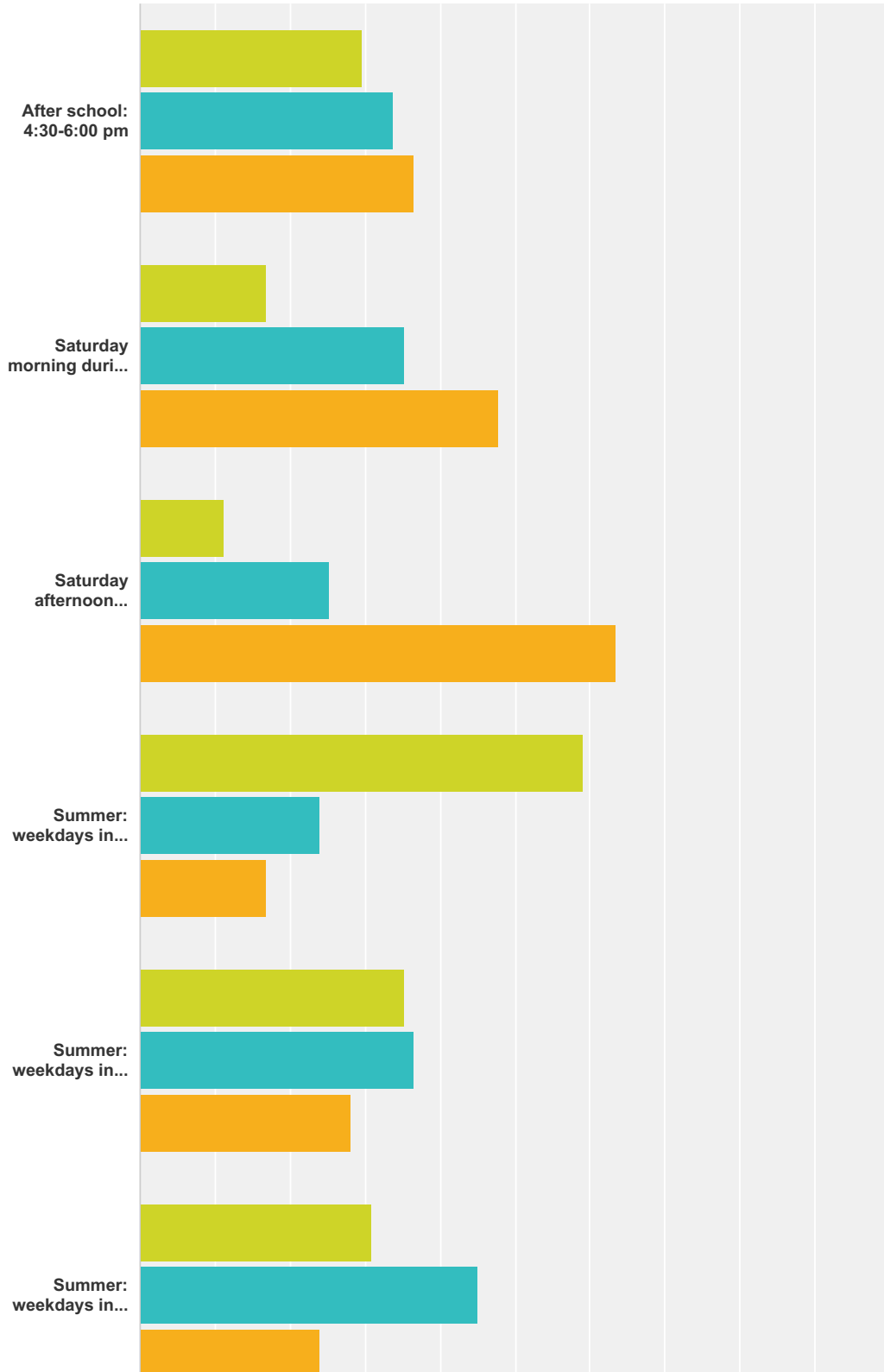


Maryland High School Computer Science Survey (2014)

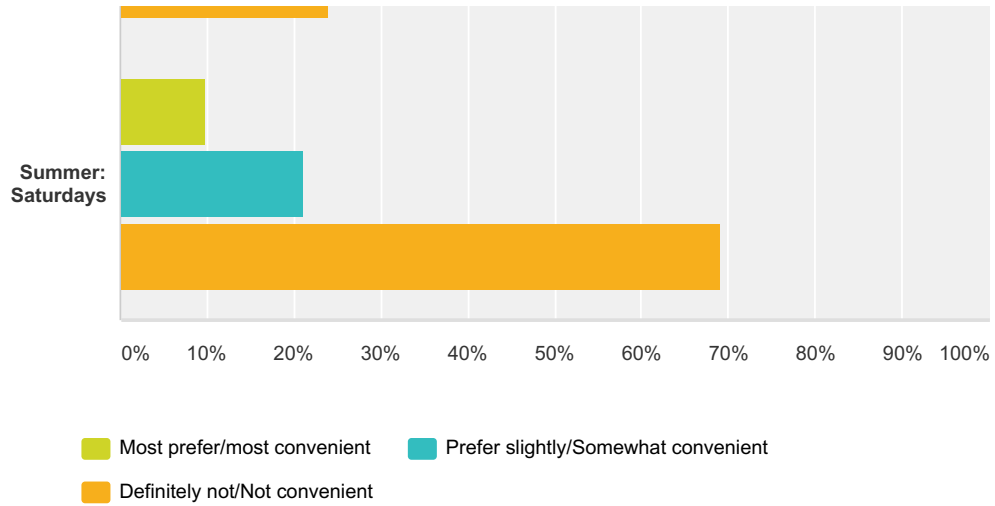
	Most effective	Somewhat effective	Least effective	Total
Workshops/seminars	59.15% 42	36.62% 26	4.23% 3	71
Online resources	56.34% 40	36.62% 26	7.04% 5	71
Networking with others	47.89% 34	40.85% 29	11.27% 8	71
Computer-based tutorials	49.30% 35	43.66% 31	7.04% 5	71
Professional conferences	33.80% 24	49.30% 35	16.90% 12	71
College courses	47.89% 34	40.85% 29	11.27% 8	71

Q48 Please rank your preference/the convenience of each of the following times for your participation in professional development activities?

Answered: 71 Skipped: 13



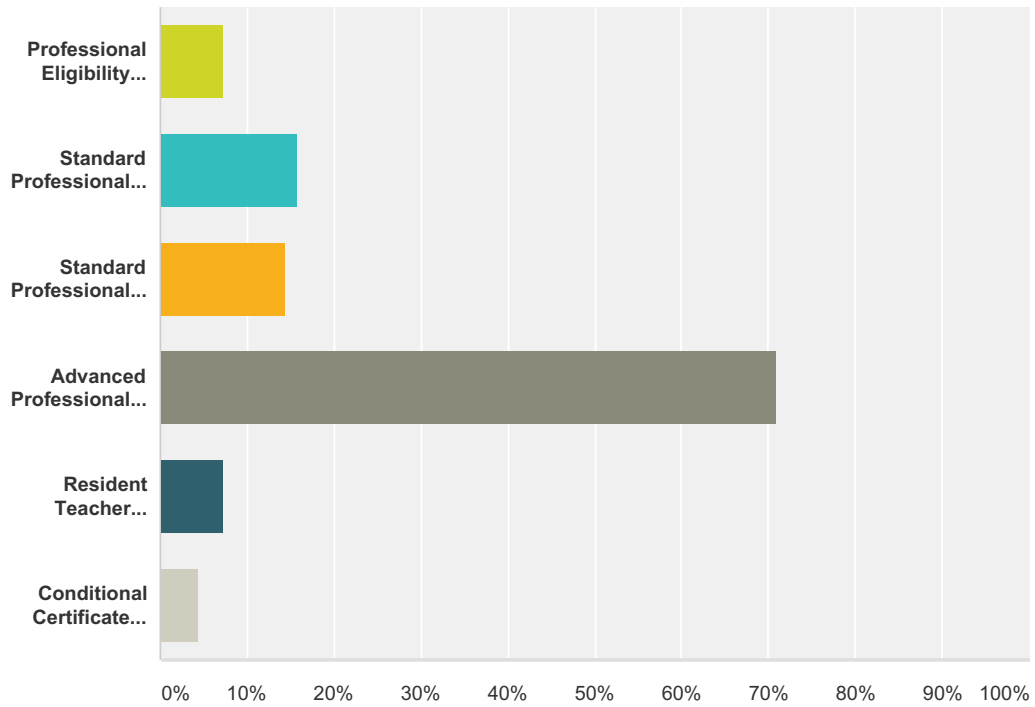
Maryland High School Computer Science Survey (2014)



	Most prefer/most convenient	Prefer slightly/Somewhat convenient	Definitely not/Not convenient	Total
After school: 4:30-6:00 pm	29.58% 21	33.80% 24	36.62% 26	71
Saturday morning during school year	16.90% 12	35.21% 25	47.89% 34	71
Saturday afternoon during school year	11.27% 8	25.35% 18	63.38% 45	71
Summer: weekdays in June immediately after school ends	59.15% 42	23.94% 17	16.90% 12	71
Summer: weekdays in July	35.21% 25	36.62% 26	28.17% 20	71
Summer: weekdays in early August	30.99% 22	45.07% 32	23.94% 17	71
Summer: Saturdays	9.86% 7	21.13% 15	69.01% 49	71

Q49 Which of the following certifications do you currently hold? (Check all that apply.)

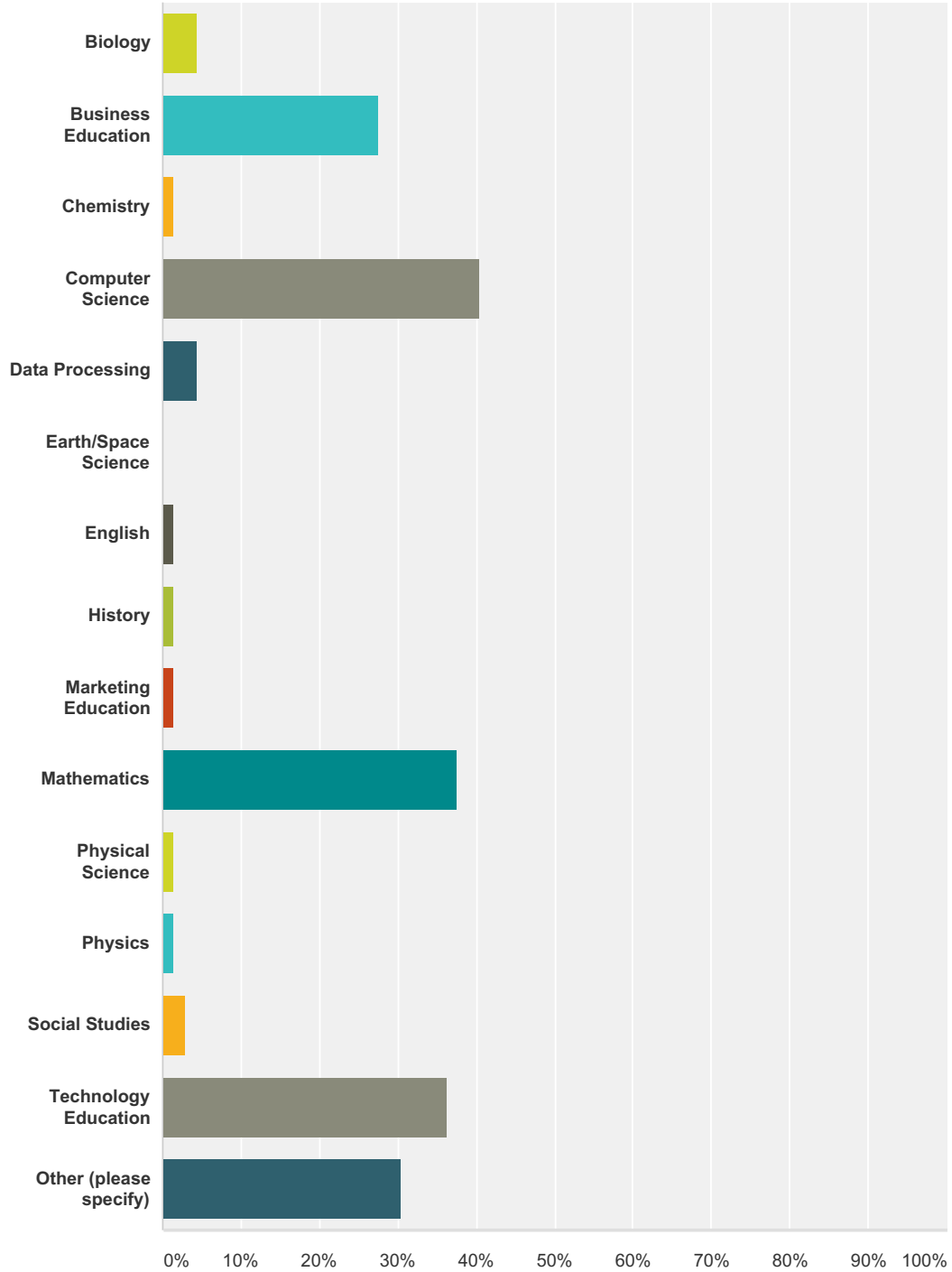
Answered: 69 Skipped: 15



Answer Choices	Responses
Professional Eligibility Certificate (PEC)	7.25% 5
Standard Professional Certificate I (SPC I)	15.94% 11
Standard Professional Certificate II (SPCII)	14.49% 10
Advanced Professional Certificate (APC)	71.01% 49
Resident Teacher Certificate (RTC)	7.25% 5
Conditional Certificate (COND)	4.35% 3
Total Respondents: 69	

Q50 In which of the following areas are you certified to teach in Maryland? (Check all that apply.)

Answered: 69 Skipped: 15



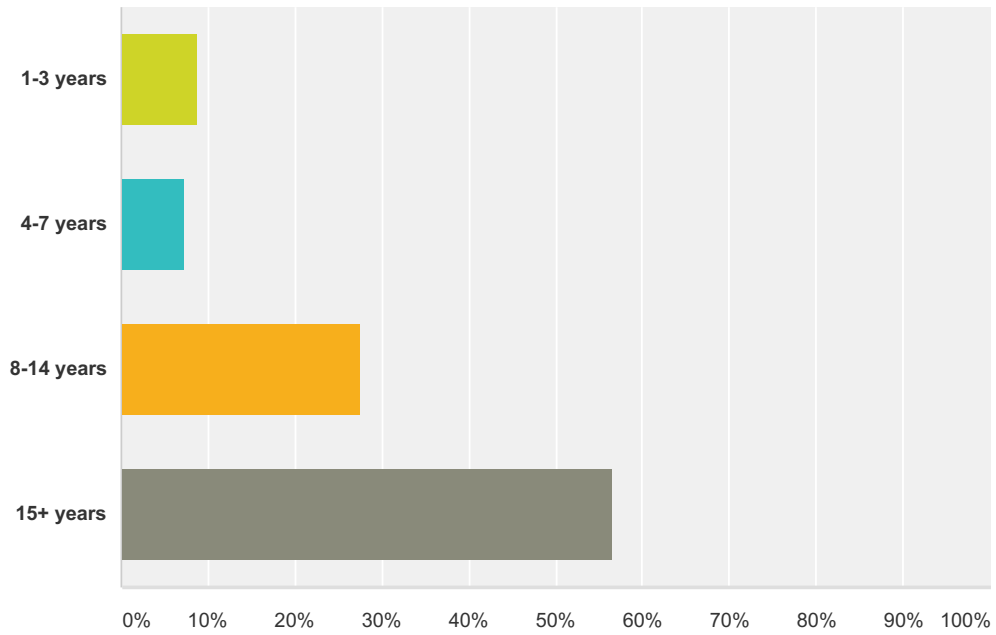
Answer Choices	Responses
Biology	4.35% 3

Maryland High School Computer Science Survey (2014)

Business Education	27.54%	19
Chemistry	1.45%	1
Computer Science	40.58%	28
Data Processing	4.35%	3
Earth/Space Science	0.00%	0
English	1.45%	1
History	1.45%	1
Marketing Education	1.45%	1
Mathematics	37.68%	26
Physical Science	1.45%	1
Physics	1.45%	1
Social Studies	2.90%	2
Technology Education	36.23%	25
Other (please specify)	30.43%	21
Total Respondents: 69		

Q51 How many years have you been teaching?

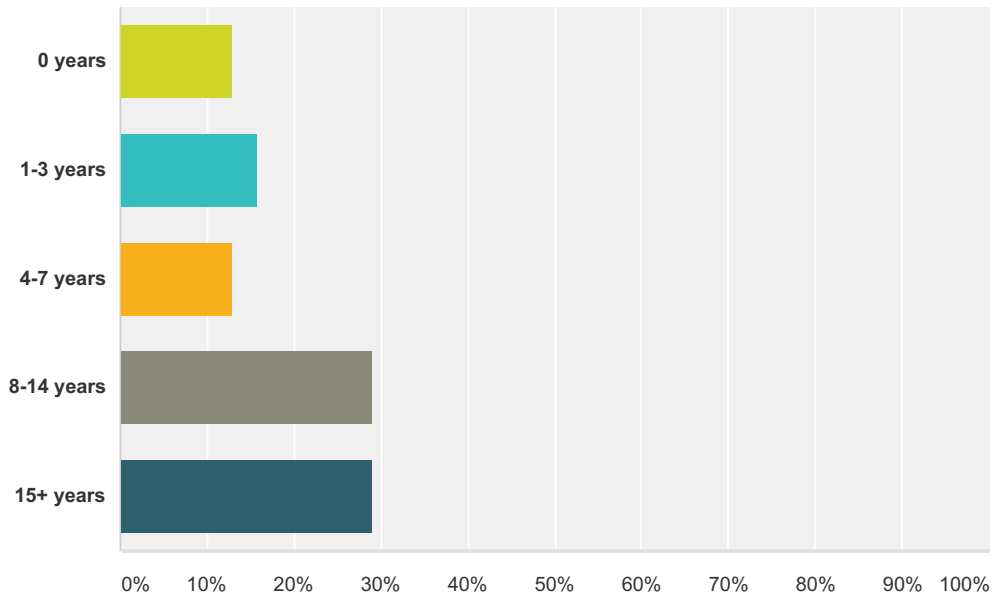
Answered: 69 Skipped: 15



Answer Choices	Responses	
1-3 years	8.70%	6
4-7 years	7.25%	5
8-14 years	27.54%	19
15+ years	56.52%	39
Total		69

Q52 How many years have you been teaching CS/IT?

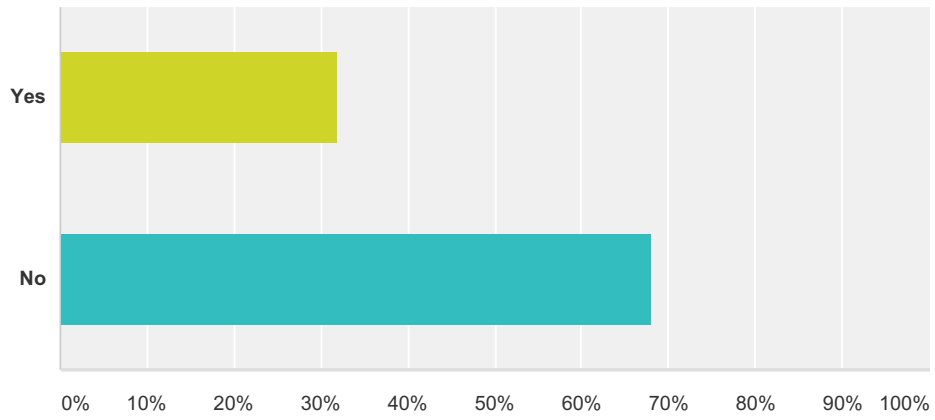
Answered: 69 Skipped: 15



Answer Choices	Responses
0 years	13.04% 9
1-3 years	15.94% 11
4-7 years	13.04% 9
8-14 years	28.99% 20
15+ years	28.99% 20
Total	69

Q53 Did you work in the CS/IT industry prior to teaching?

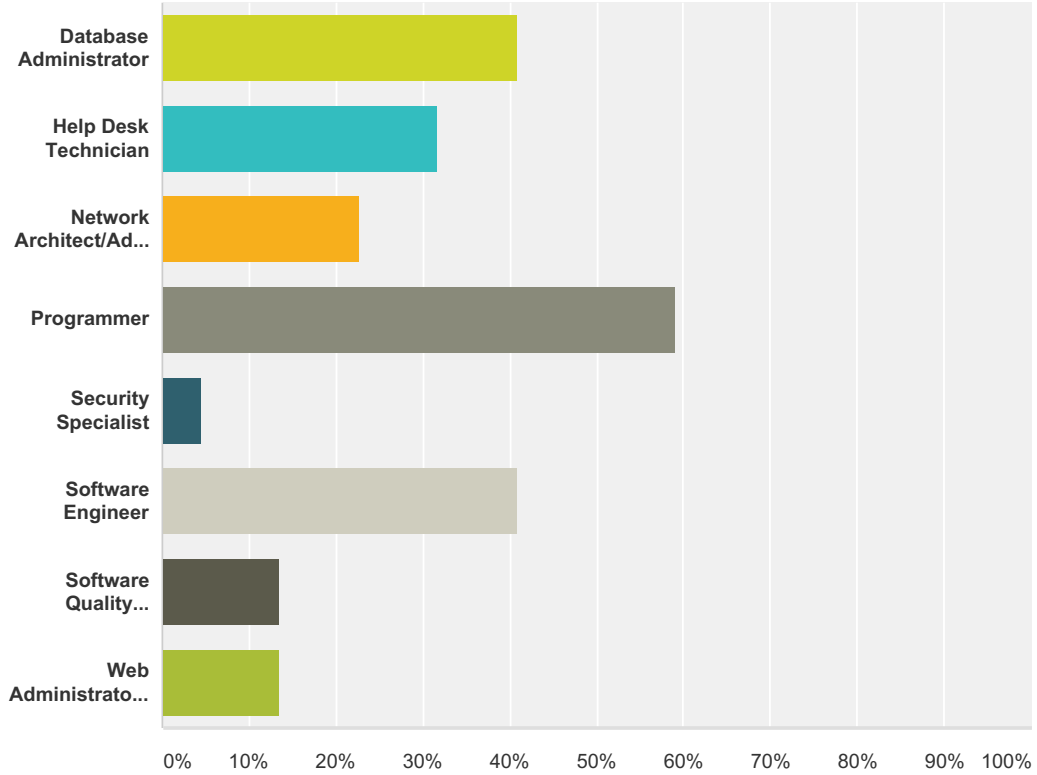
Answered: 69 Skipped: 15



Answer Choices	Responses
Yes	31.88% 22
No	68.12% 47
Total	69

Q54 What type of CS industry job did you previously have before you became a CS teacher? (Check all that apply.)

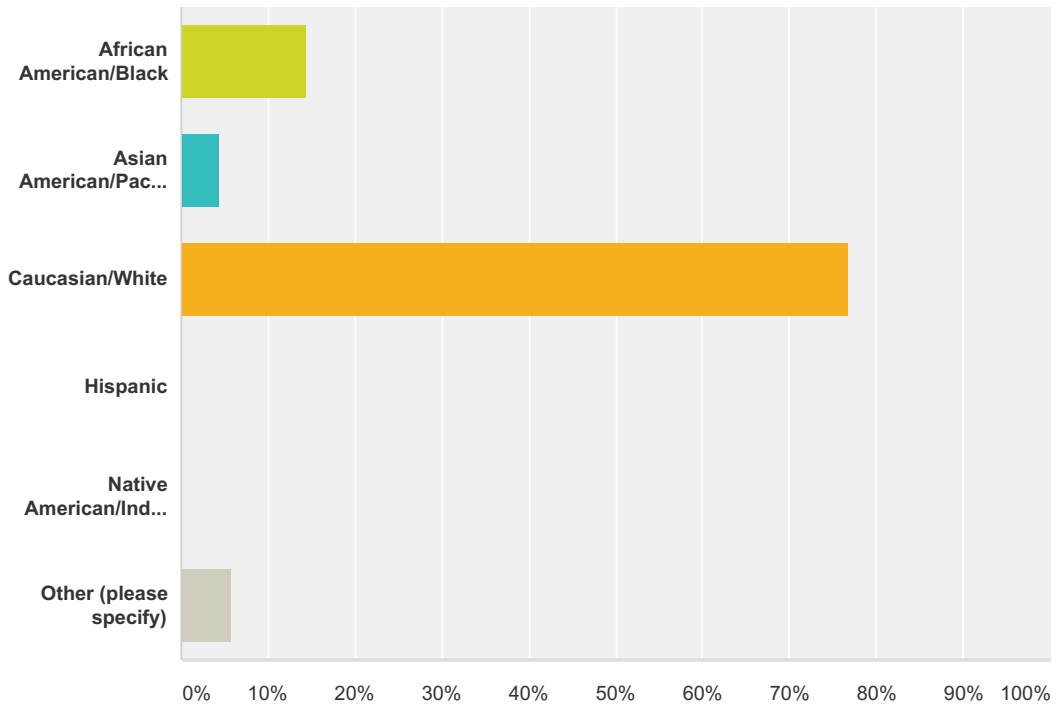
Answered: 22 Skipped: 62



Answer Choices	Responses
Database Administrator	40.91% 9
Help Desk Technician	31.82% 7
Network Architect/Administrator	22.73% 5
Programmer	59.09% 13
Security Specialist	4.55% 1
Software Engineer	40.91% 9
Software Quality Assurance Analyst	13.64% 3
Web Administrator/Developer	13.64% 3
Total Respondents: 22	

Q55 How do you identify yourself? (Check all that apply.)

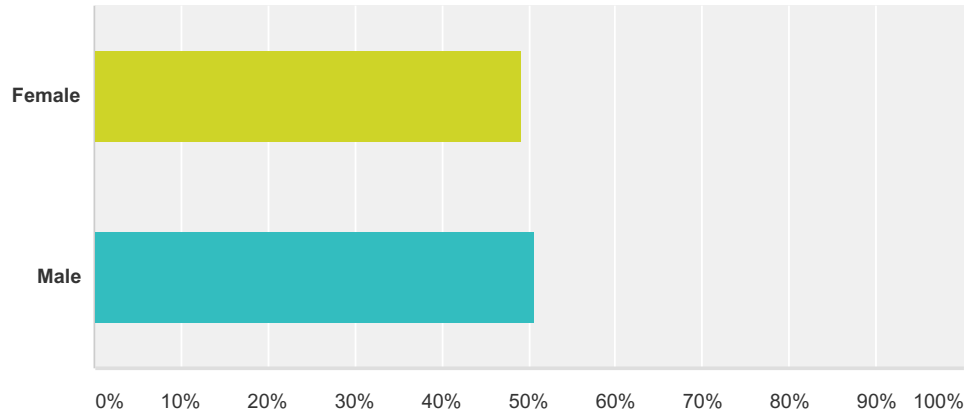
Answered: 69 Skipped: 15



Answer Choices	Responses
African American/Black	14.49% 10
Asian American/Pacific Islander	4.35% 3
Caucasian/White	76.81% 53
Hispanic	0.00% 0
Native American/Indigenous	0.00% 0
Other (please specify)	5.80% 4
Total Respondents: 69	

Q56 Sex:

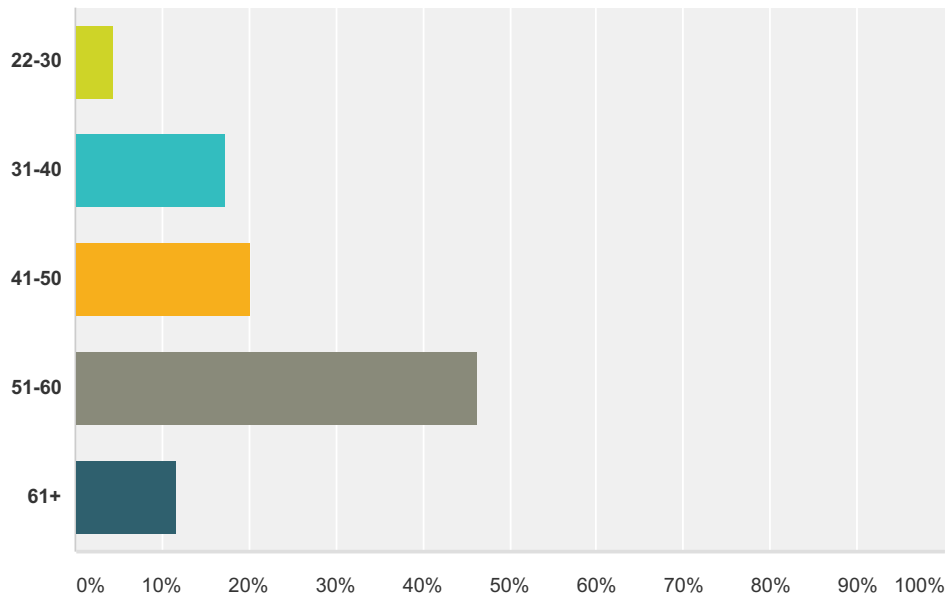
Answered: 69 Skipped: 15



Answer Choices	Responses
Female	49.28% 34
Male	50.72% 35
Total	69

Q57 What is your age?

Answered: 69 Skipped: 15



Answer Choices	Responses
22-30	4.35% 3
31-40	17.39% 12
41-50	20.29% 14
51-60	46.38% 32
61+	11.59% 8
Total	69