KEEP

AI IN EDUCATION SURVEY

KEEP

This document contains the results of an online survey that KEEP conducted from June 5 - June 30, 2023.

NOTE: In this survey, we use the term "ChatGPT or similar tools" multiple times because many teachers outside of the United States may not have had access to the official ChatGPT interface. Instead, they may have used other tools based on similar language learning models or accessed ChatGPT through a proxy application under a different name.

DISCLAIMER

THIS SURVEY IS INTENDED FOR EDUCATIONAL USAGE ONLY AND HAS NOT BEEN CONDUCTED FOR SCIENTIFIC RESEARCH PURPOSES. THE DATA COLLECTED IS TO BE USED FOR REFERENCE ONLY.

PARTICIPATION IN THIS SURVEY WAS VOLUNTARY AND RESPONSES HAVE BEEN KEPT ANONYMOUS. WE DID NOT COLLECT ANY PERSONAL INFORMATION THAT COULD IDENTIFY RESPONDENTS AS INDIVIDUALS.

P.S. We used an AI-assisted tool to help create the charts in this document. If you think it might help you in your work, try it out here: https://graphy.app
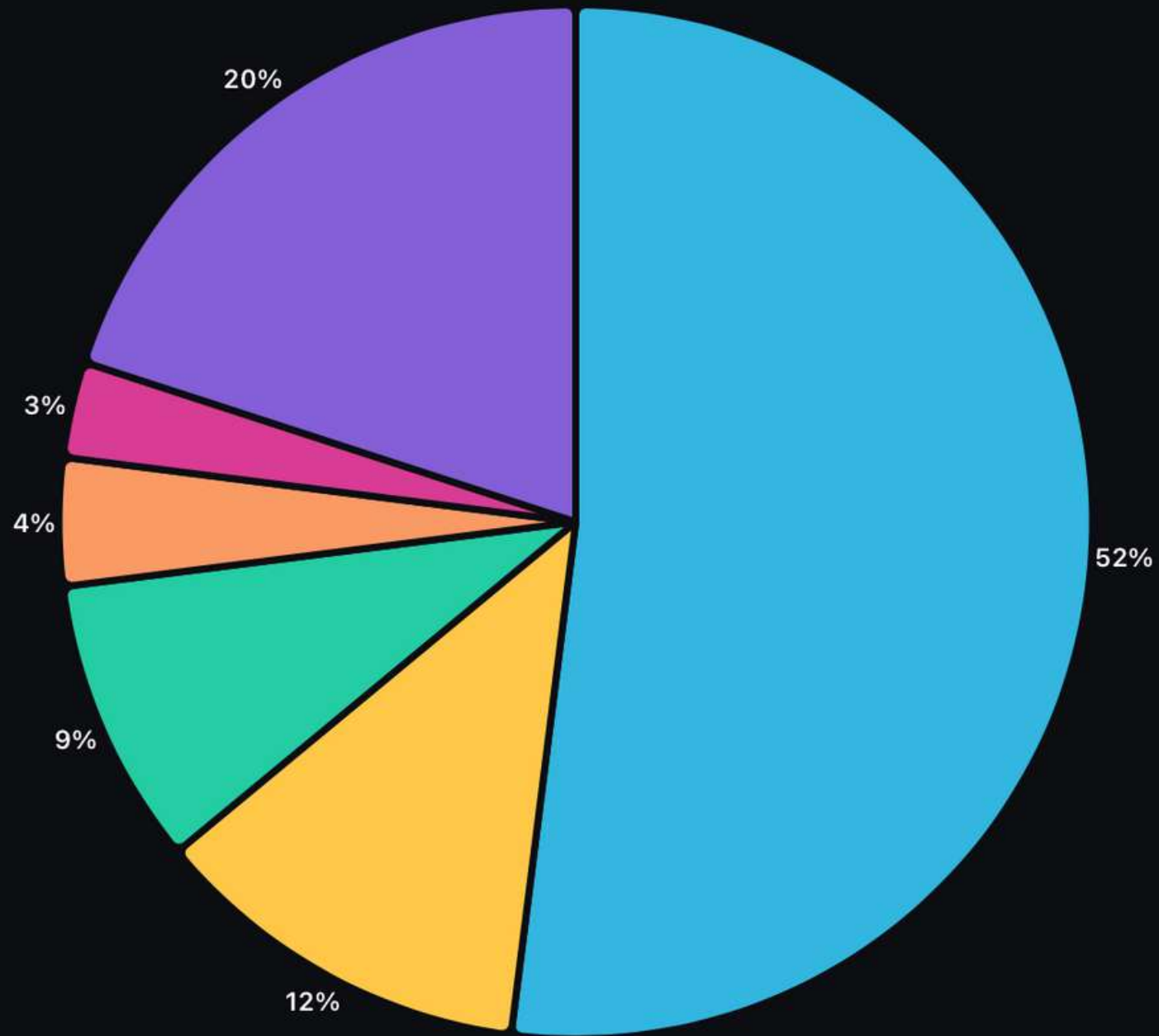
TEACHER SURVEY RESULTS

Which teachers were surveyed?

Graphy

- Education
- Science
- Social Science
- Arts
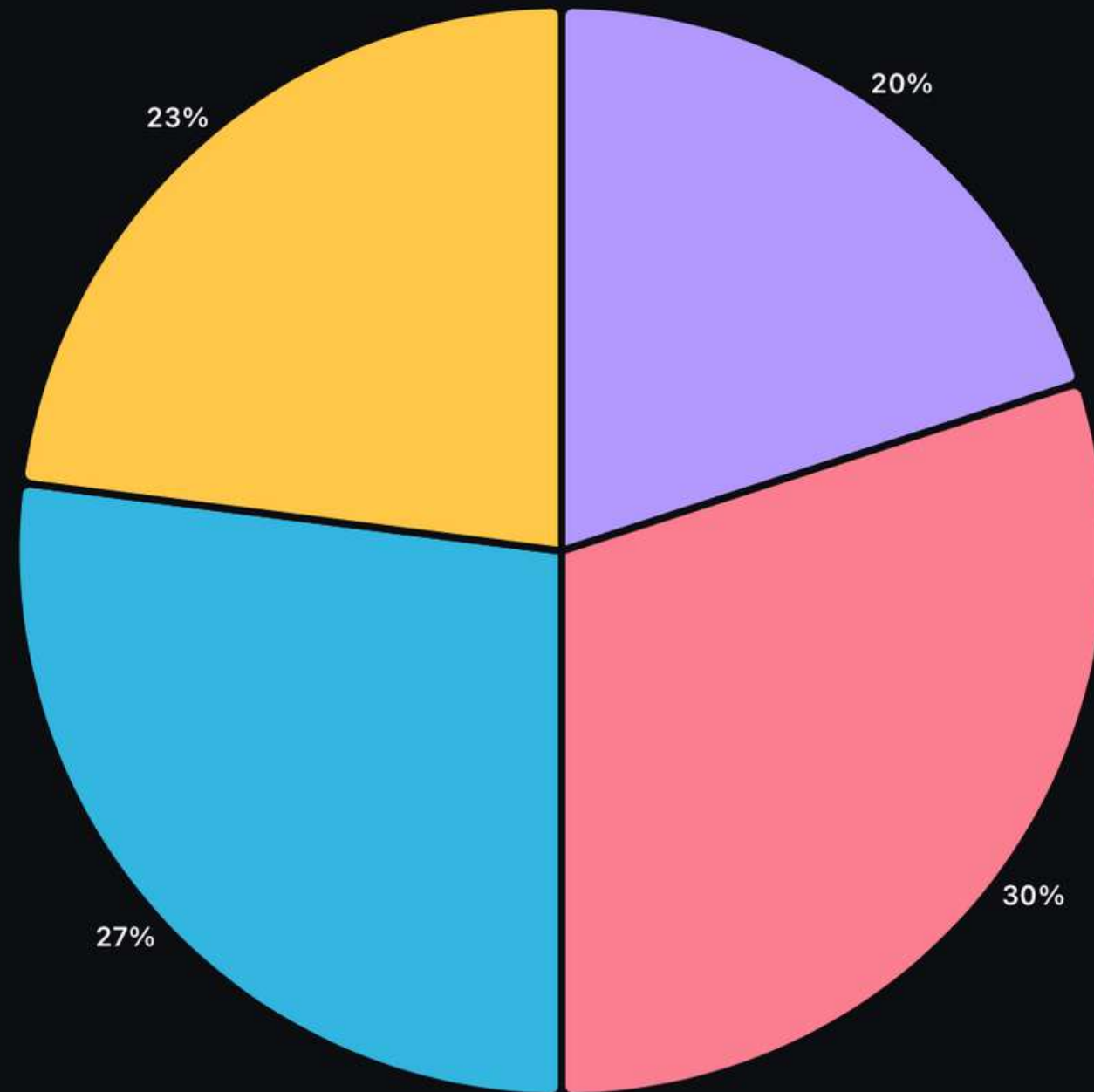- Engineering
- Others

20%
3%
4%
52%
9%
12%

The greatest number of polled teachers came from the **Faculty of Education**, followed by Sciences and Social Sciences.

Faculty	Percentage
Education	52%
Science	12%
Social Science	9%
Arts	4%
Engineering	3%
Others	20%

4

Respondents' teaching experience

● 0-5 years ● 6-10 years ● 11-20 years ● 20+ years

20%
30%
27%
23%

The level of teaching experience among polled teachers was **fairly balanced.**
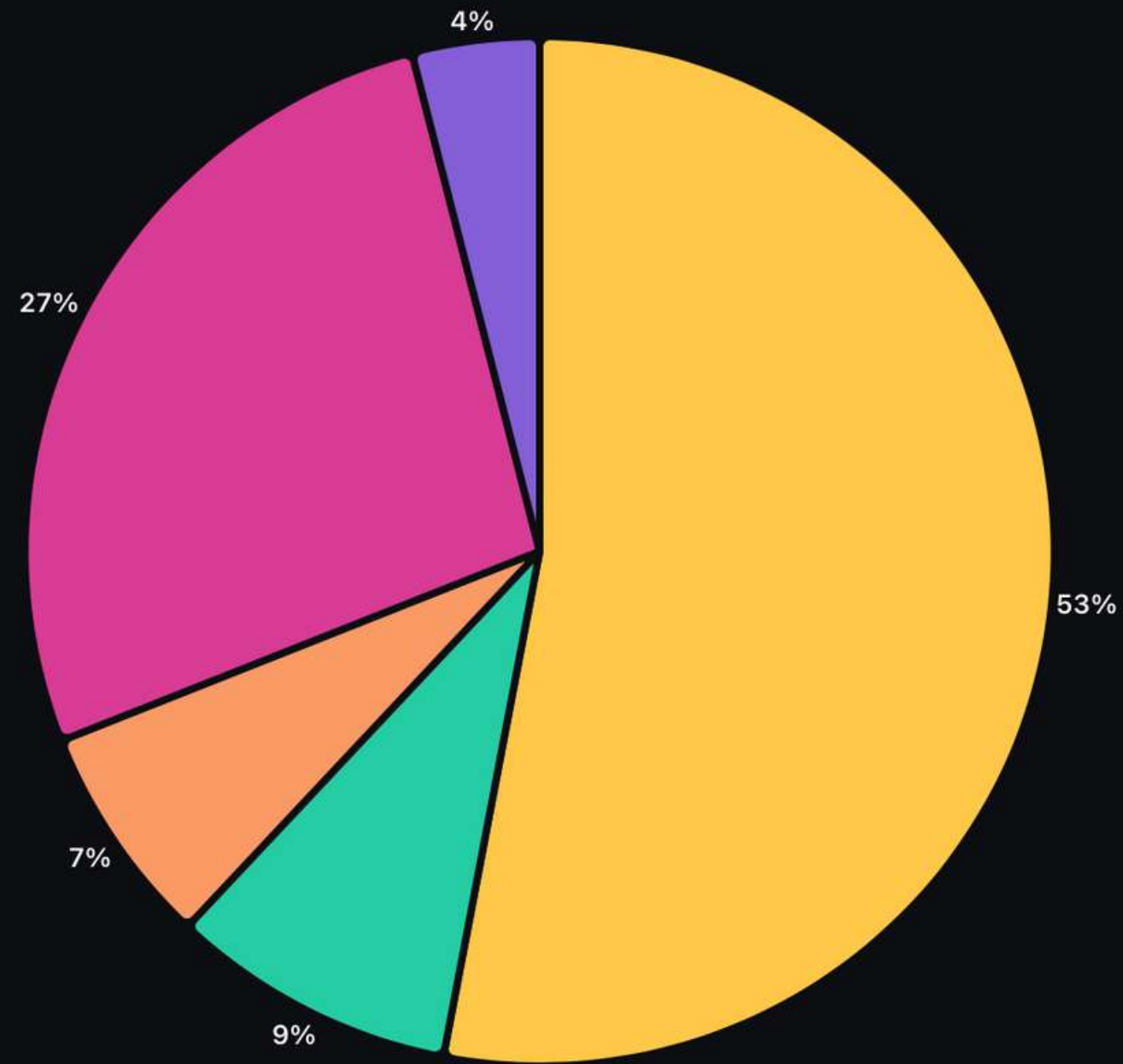
The data shows a relatively equal representation of new teachers and teachers with decades of experience.

Years of teaching experience	Percentage
0-5 years	20%
6-10 years	30%
11-20 years	27%
20+ years	23%

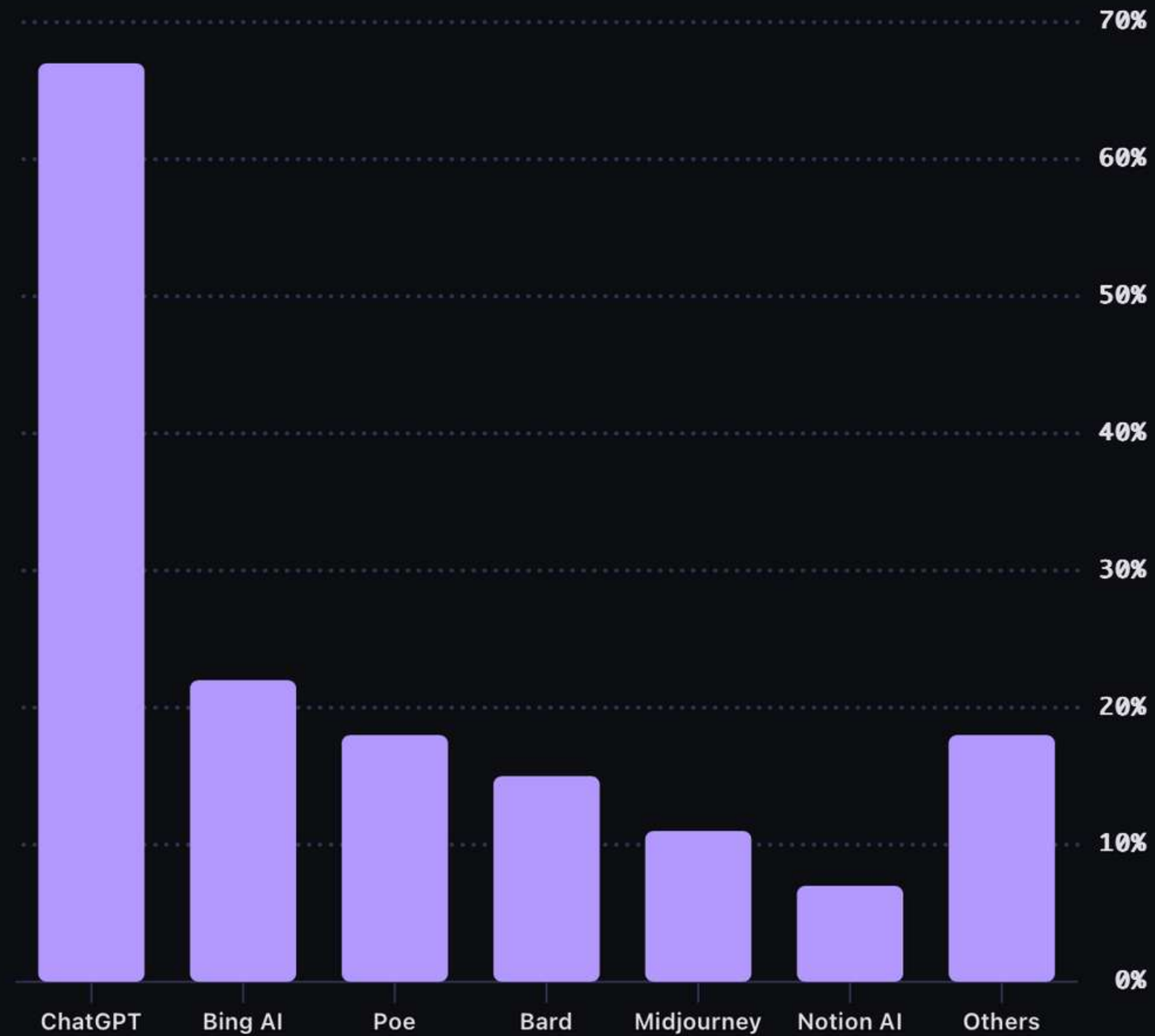Have you used ChatGPT or similar tools?

53% of teachers use ChatGPT or similar tools for both work and personal purposes.

Only a small minority (4%) don't plan on using any such tools in the future.

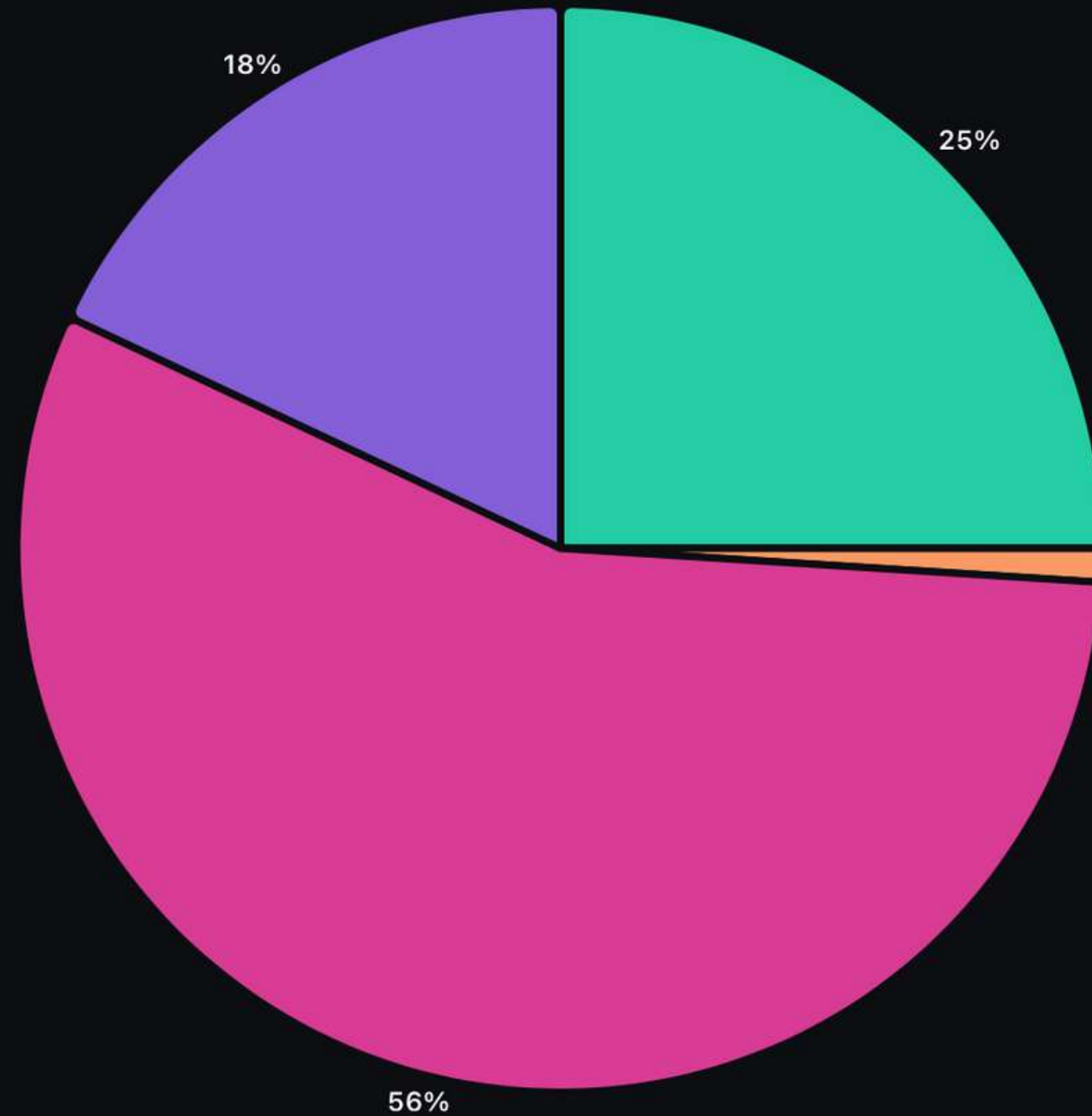| Response	Percentage
Work + personal use	53%
Work use only	9%
Personal use only	7%
Not yet, but I plan to	27%
No, I don't plan to	4%

Which AI tools have you used?

Most teachers have experimented with more than one tool, with ChatGPT having the highest overall usage (67% of respondents).

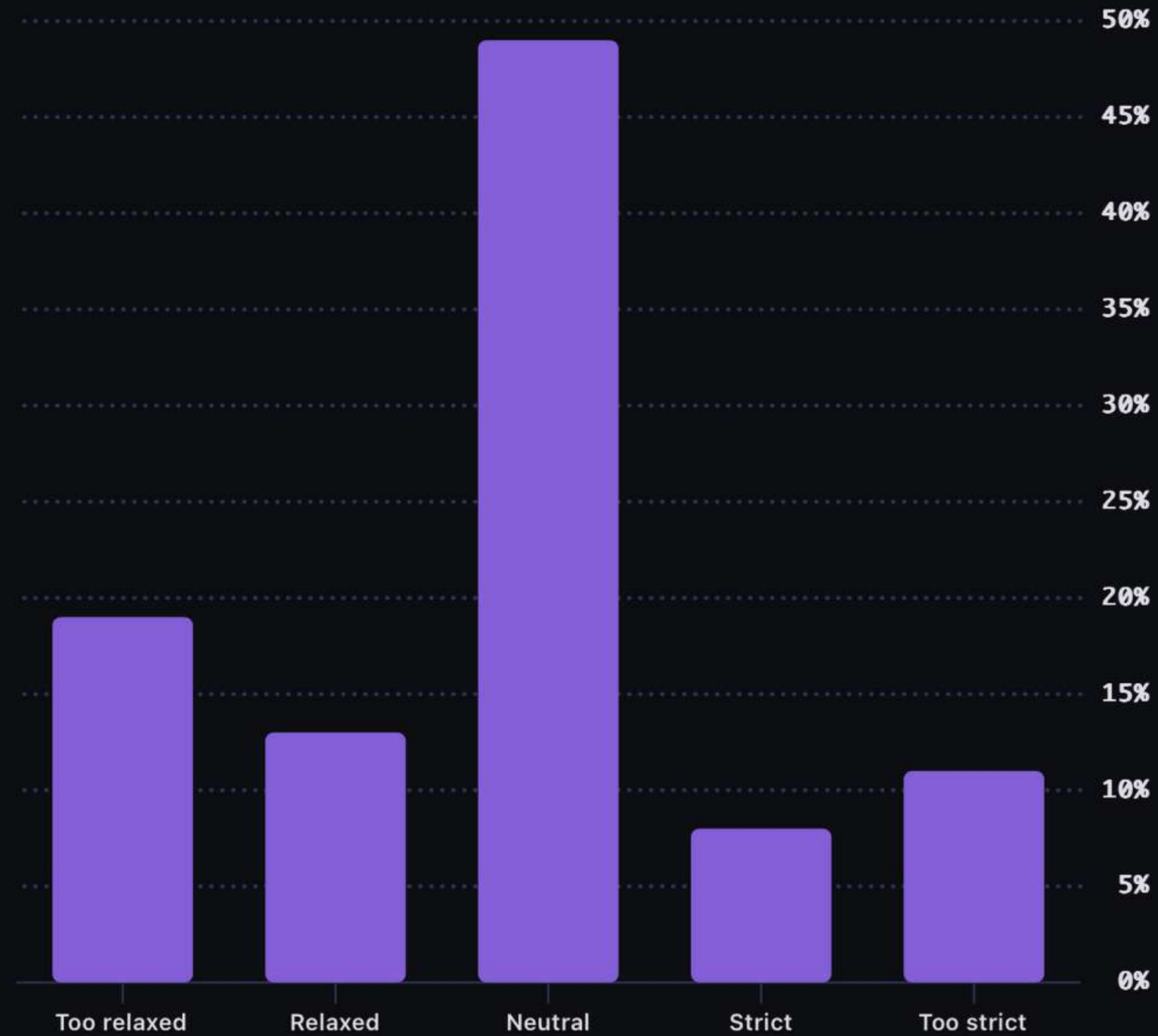| AI Tool	Percentage
ChatGPT	67%
Bing AI	22%
Poe	18%
Bard	15%
Midjourney	11%
Notion AI	7%
Others	18%

Only 1 in 4 teachers said their university had an official policy regarding AI usage.

Only one respondent reported that their school prohibited use of AI altogether.

Response	Percentage
Yes, AI is allowed	25%
Yes, AI is prohibited	1%
No official policy	56%
Not sure	18%

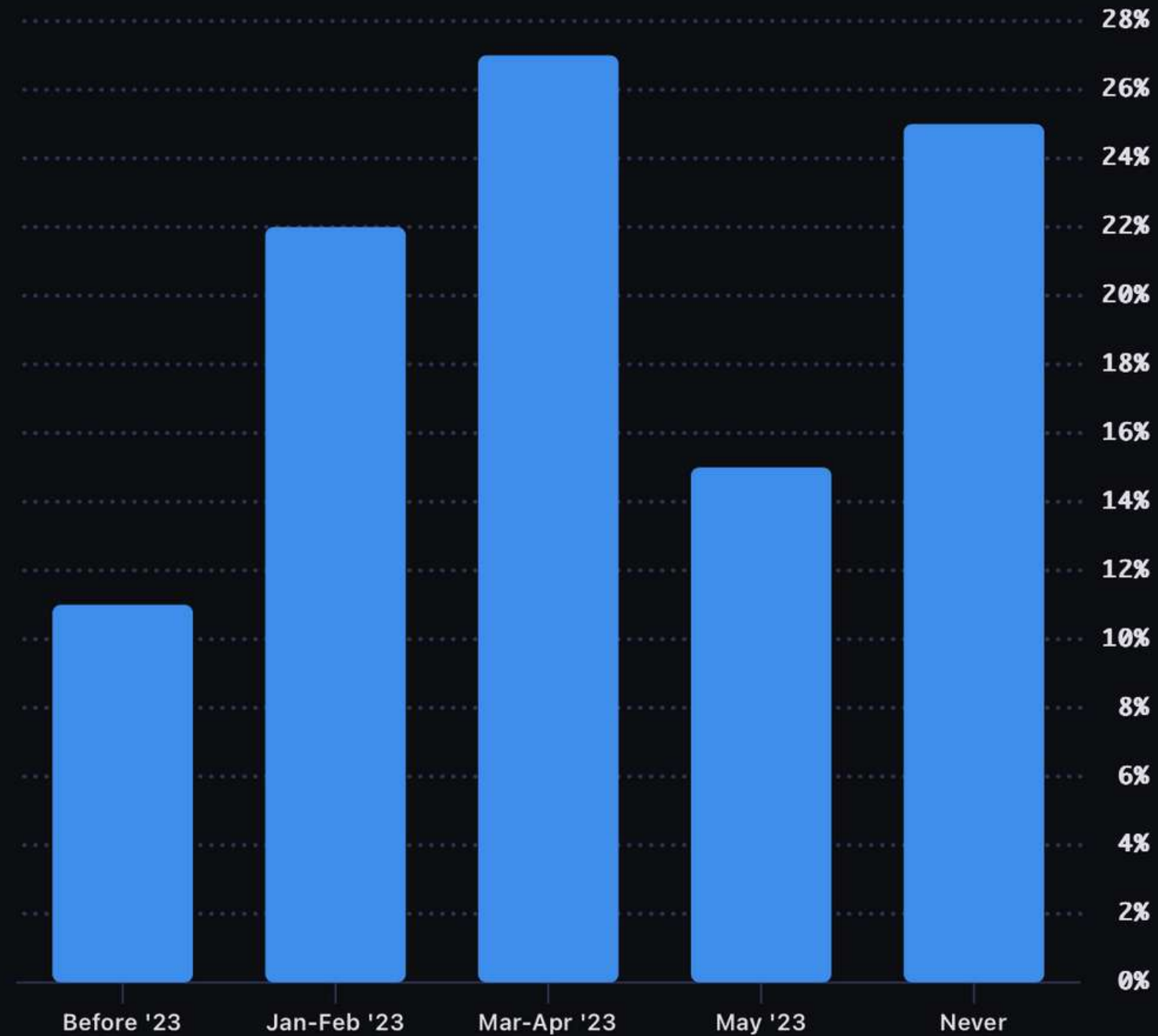**What's your opinion of your school's AI policy?** *Graphy*

Around half of polled teachers have a neutral opinion of their school's AI policy.

For the opinionated, more believed their school's policy was lenient (32%) rather than restrictive (19%).

Response	Percentage
Too relaxed	19%
Relaxed	13%
Neutral	49%
Strict	8%
Too strict	11%

When did you start using ChatGPT*?

*CHATGPT OR SIMILAR TOOLS

The majority of polled teachers started using ChatGPT or similar AI tools in the **first several months of 2023.**

25% are not yet users, indicating there is still significant room for growth in using AI.
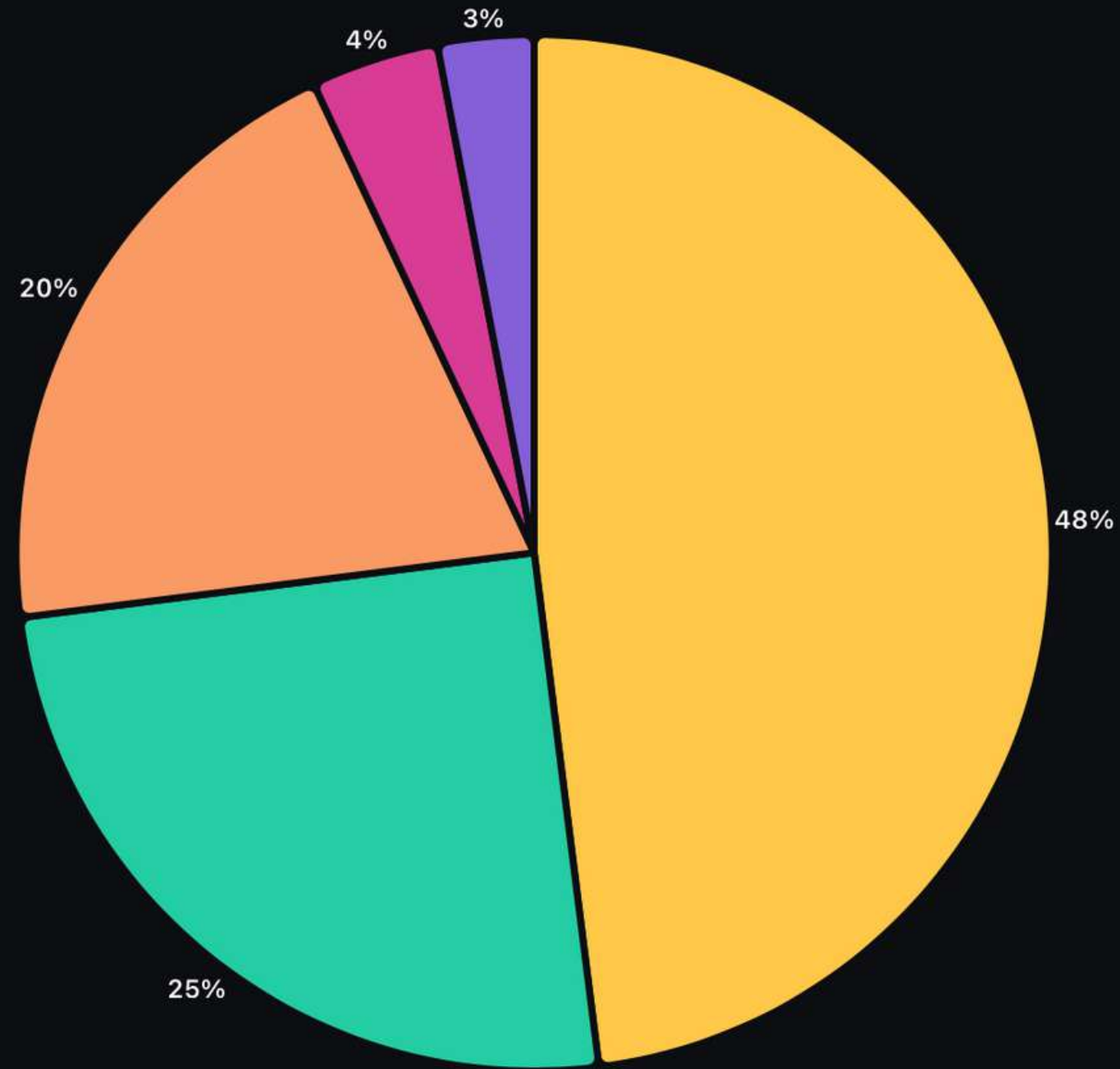
Response	Percentage
Before '23	11%
Jan-Feb '23	22%
Mar-Apr '23	27%
May '23	15%
Never	25%

Rate your level of understanding of ChatGPT*

Legend: Just getting started · Basic · Intermediate · Advanced · Expert

- 48%
- 25%
- 20%
- 4%
- 3%

*CHATGPT OR SIMILAR TOOLS

Most teachers are just getting started when it comes to using AI for education.

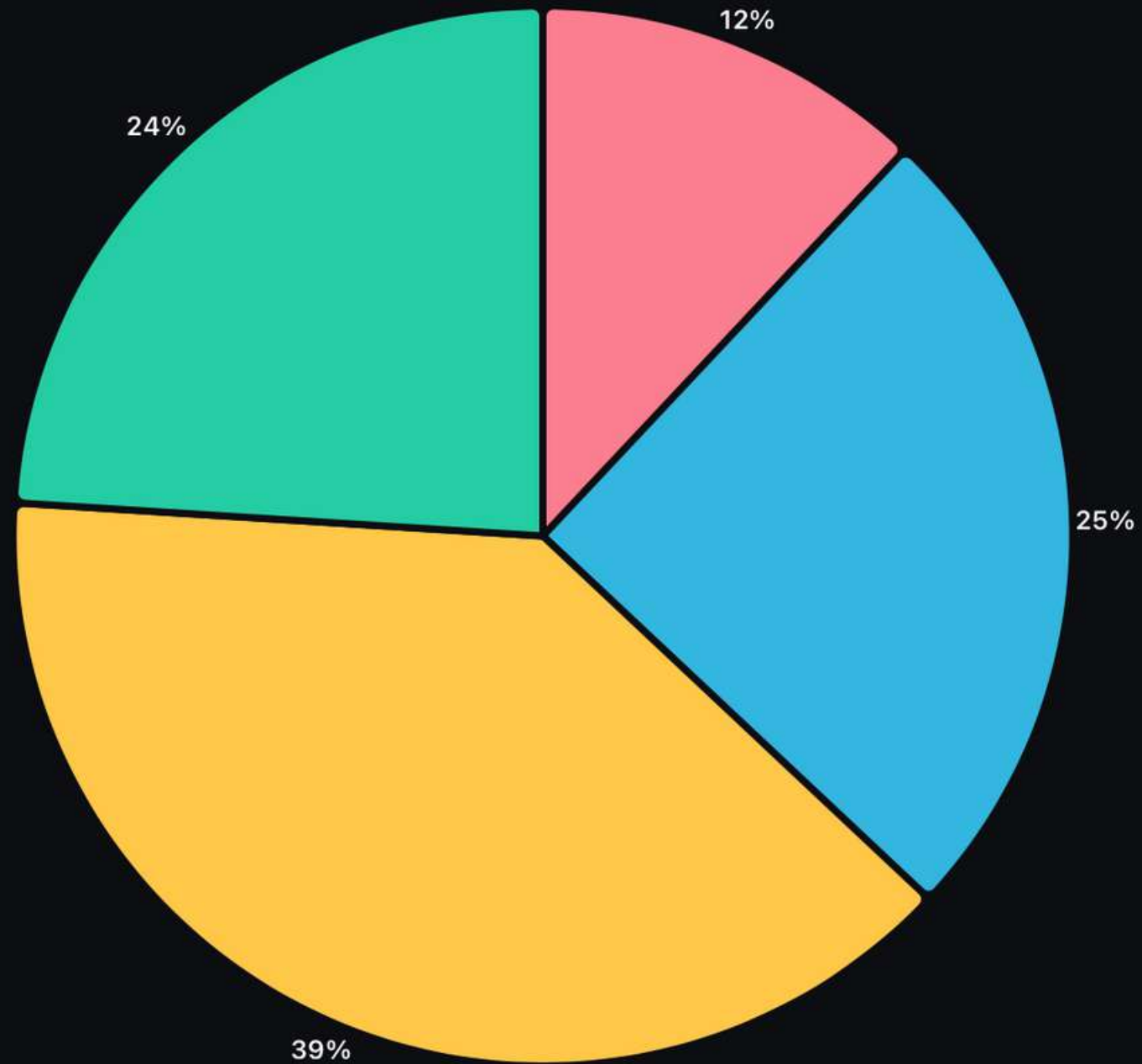**Only a small minority (3%) consider themselves expert users.**

Response	Percentage
Just getting started	48%
Basic	25%
Intermediate	20%
Advanced	4%
Expert	3%

How often do you use ChatGPT* for work?

- 5-7 times/week
- 2-4 times/week
- Once a week or less
- Never

12%
25%
39%
24%

*CHATGPT OR SIMILAR TOOLS

Most teachers aren't using ChatGPT everyday. Only 37% use it for work more than twice a week. 39% use it once a week or less.

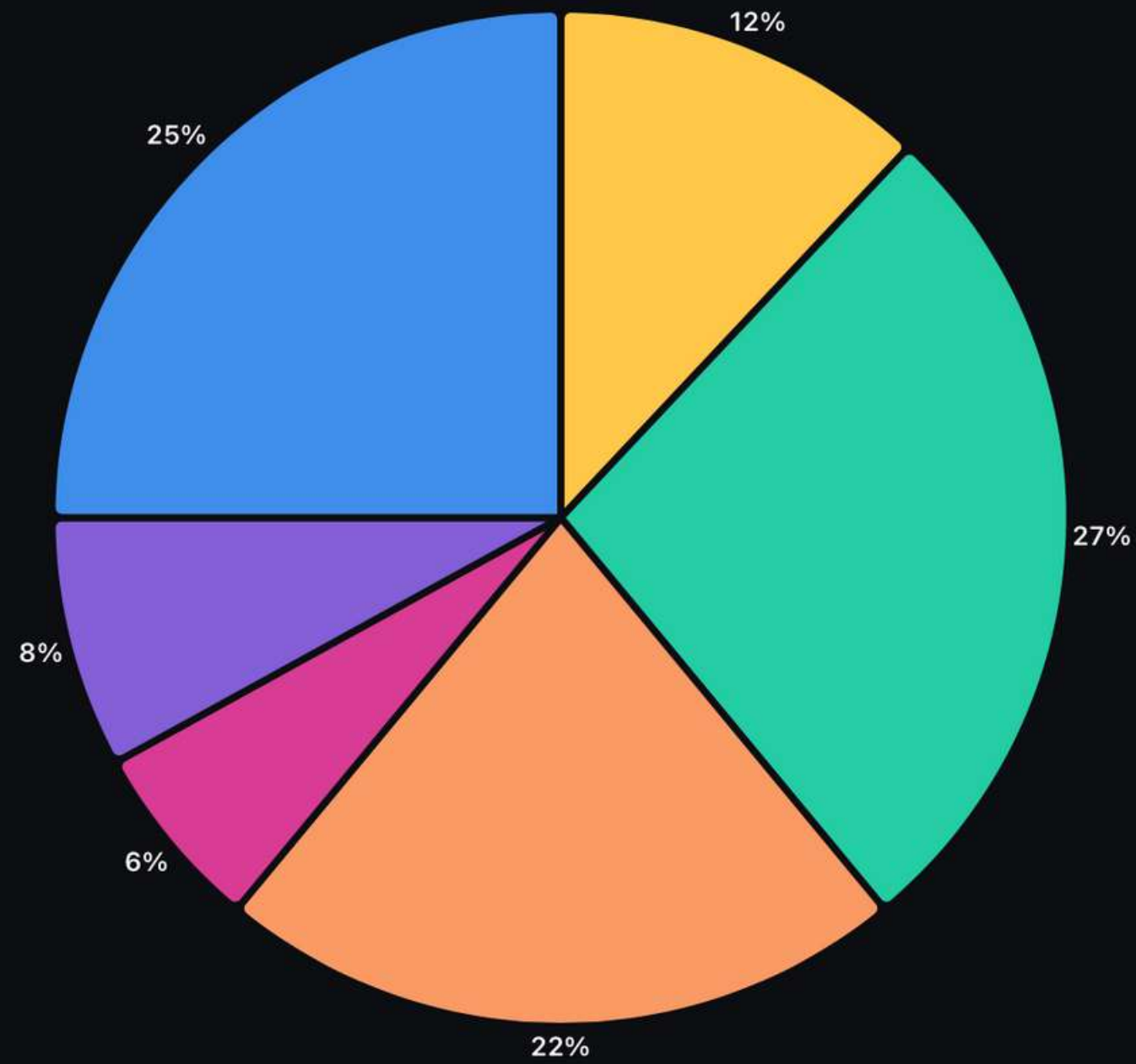Around a quarter of teachers don't use it for work purposes at all.

Response	Percentage
5-7 times/week	12%
2-4 times/week	25%
Once a week or less	39%
Never	24%

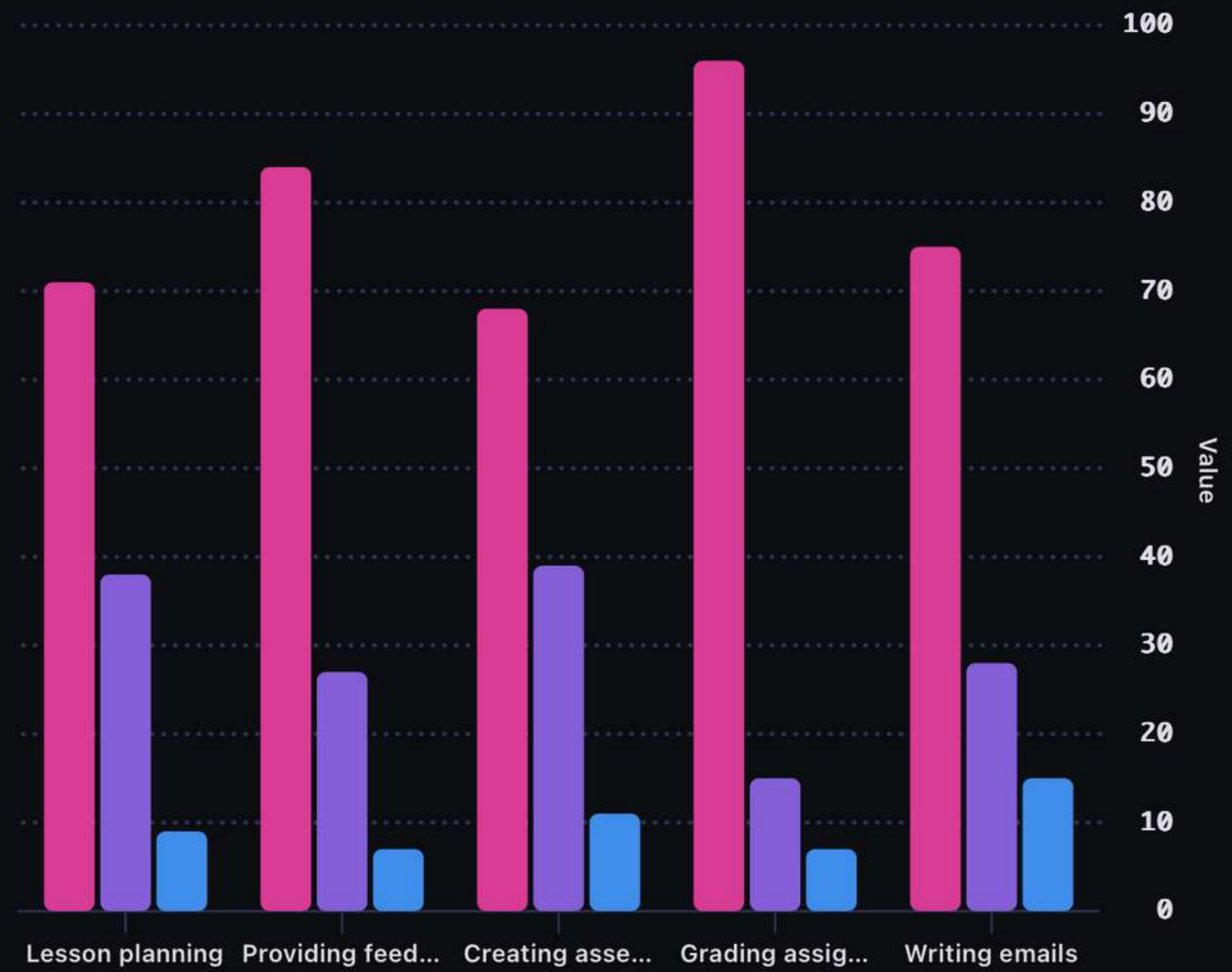**What do you use ChatGPT* for the most?**

*CHATGPT OR SIMILAR TOOLS

Brainstorming seems to be the most popular use for ChatGPT, with 27% of teachers indicating it as their primary use.

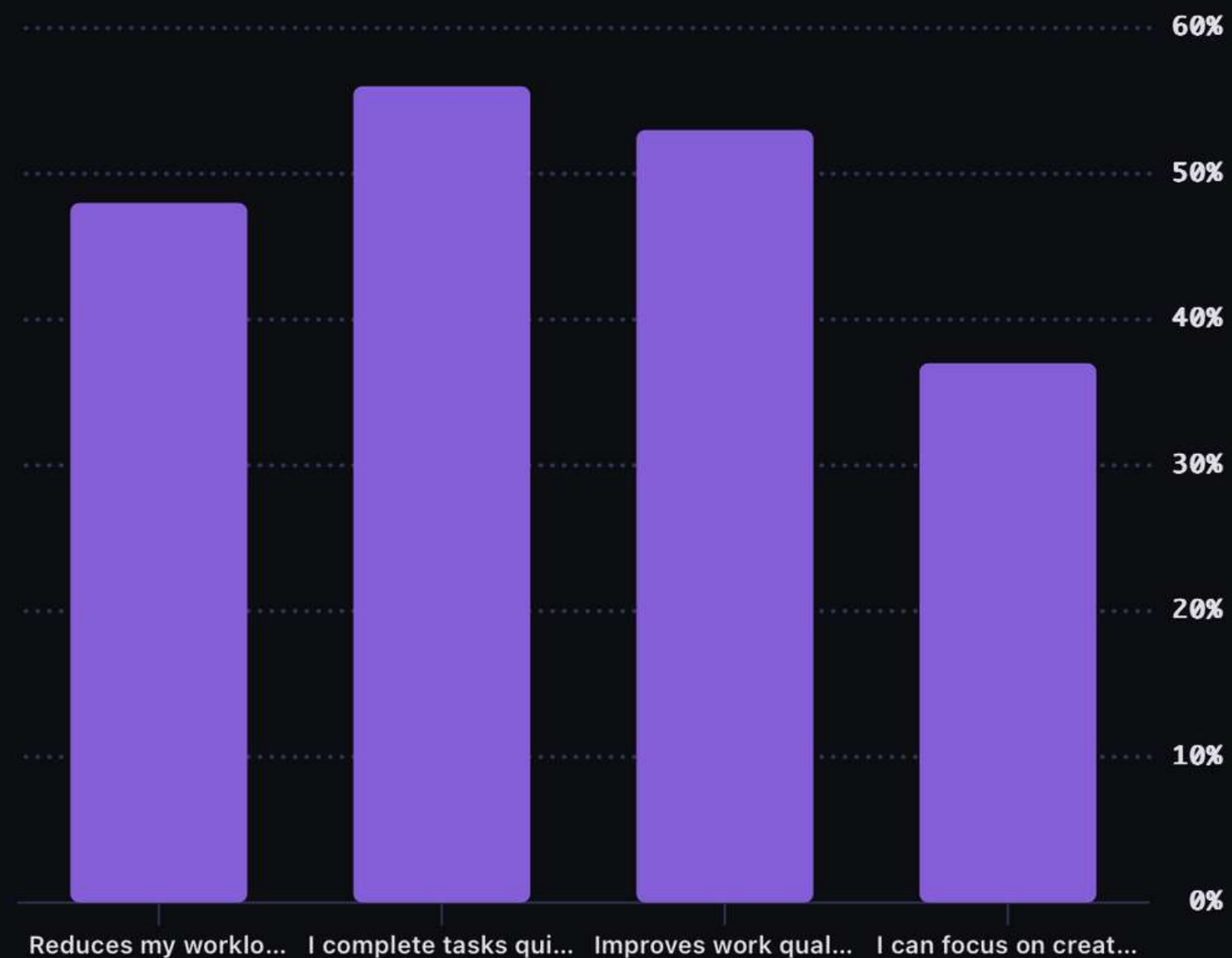| Response	Percentage
Administrative tasks	12%
Brainstorming	27%
Content creation	22%
Content delivery	6%
Assessment	8%
Personal tasks	25%

Most polled teachers have **never used ChatGPT to grade student assignments**. The highest number of "frequent use" responses went to "writing emails."

	Never	Sometimes	Frequently
Lesson planning	71	38	9
Providing feedback	84	27	7
Creating assessments	68	39	11
Grading assignments	96	15	7
Writing emails	75	28	15

NUMBER OF RESPONSES

*CHATGPT OR SIMILAR TOOLS

How has ChatGPT* changed the way you work? (select all that apply)
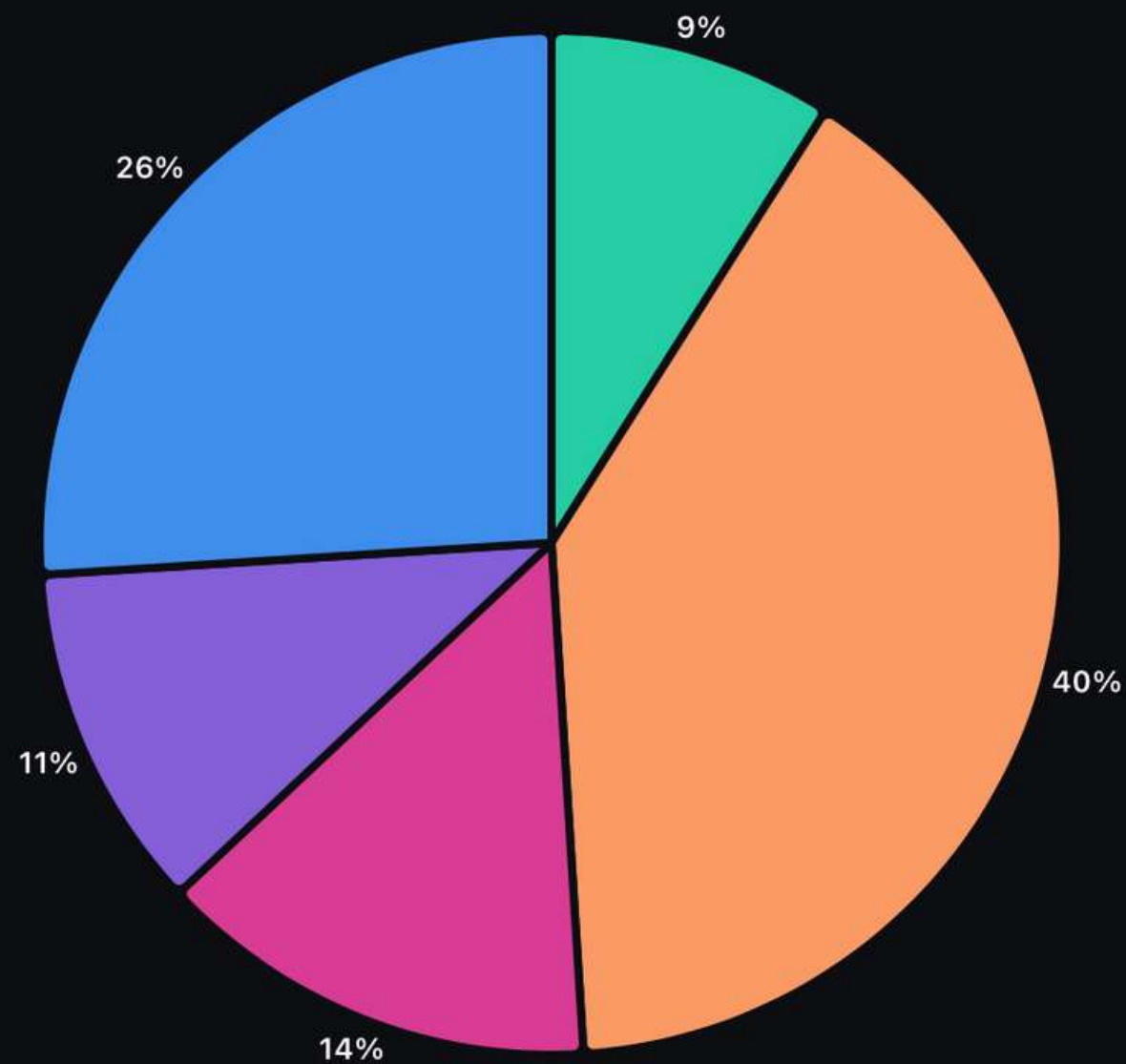
*CHATGPT OR SIMILAR TOOLS

Over half of polled teachers reported that **ChatGPT helped them save time** when completing tasks, while also **improving their work quality**.

Response	Percentage
Reduces my workload	48%
I complete tasks quicker	56%
Improves work quality	53%
I can focus on creative work	37%

15

Do you approve of your students using ChatGPT* in their assignments?

● Always   ● Sometimes   ● Rarely   ● Never   ● Undecided

9%
26%
40%
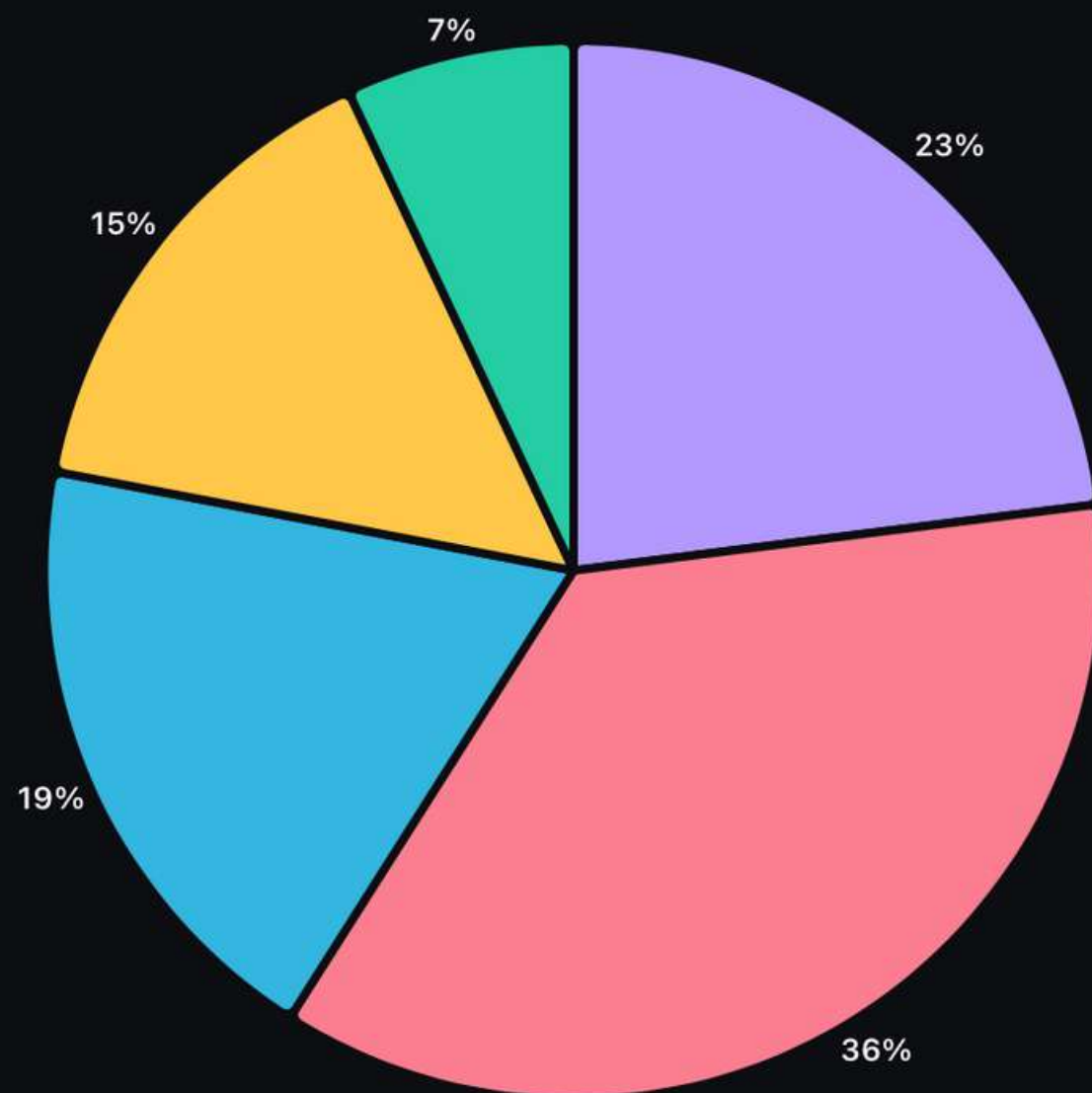11%
14%

*CHATGPT OR SIMILAR TOOLS

Around half of polled teachers approved of students using ChatGPT in their assignments, with varying levels of frequency. Only 11% of teachers stated that they never allow ChatGPT in their classrooms.

Response	Percentage
Always	9%
Sometimes	40%
Rarely	14%
Never	11%
Undecided	26%

How many of your students do you believe are using ChatGPT* on their assignments?

Legend: Not sure · 0-25% · 26-50% · 51-75% · 76-100%

Pie chart values: 23%, 36%, 19%, 15%, 7%
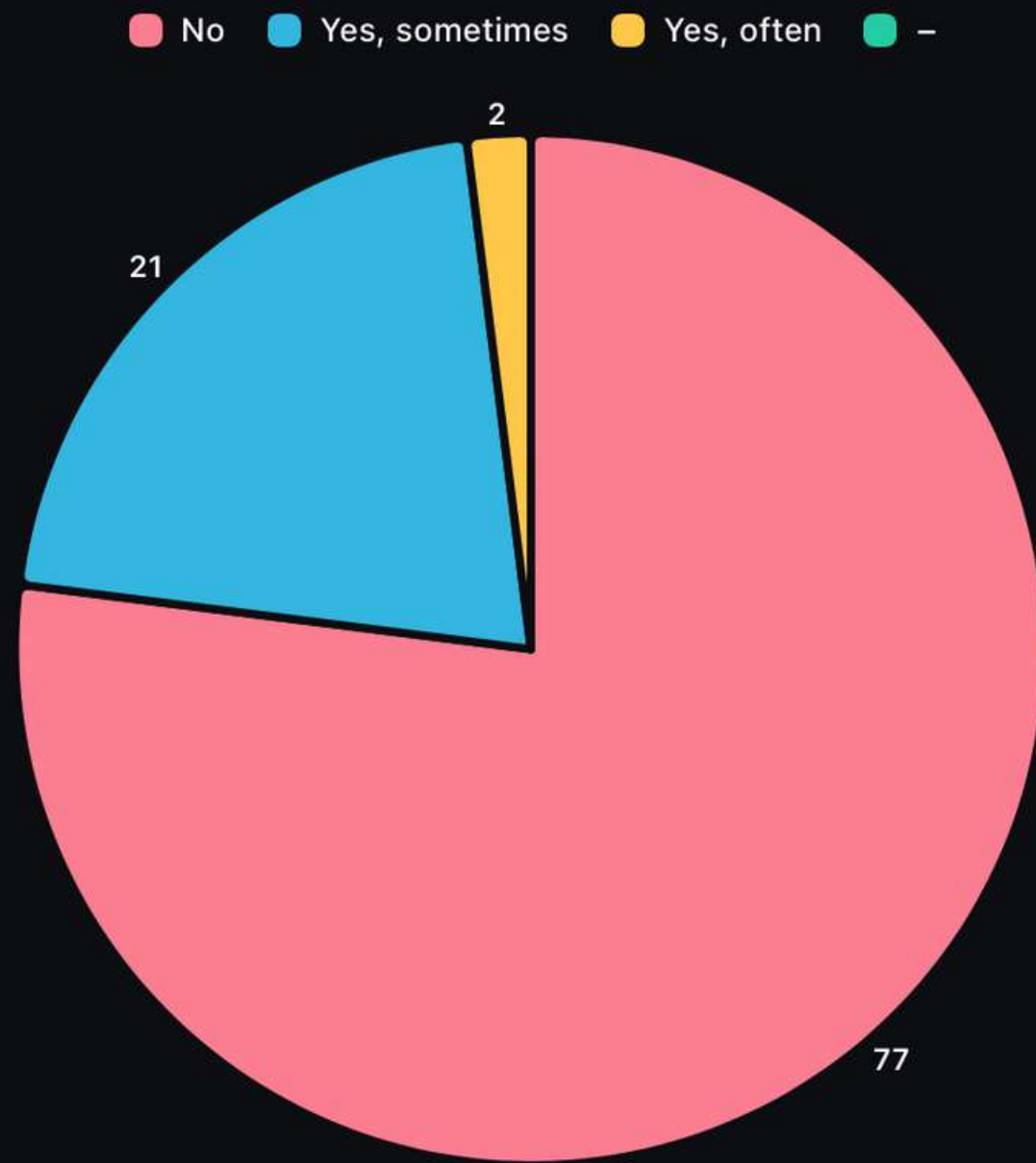
*CHATGPT OR SIMILAR TOOLS

The largest group of respondents (36%) **believed that only a quarter or fewer** of their students used ChatGPT or similar tools on assignments.

Response	Percentage
Not sure	23%
0-25% of students	36%
26-50% of students	19%
51-75% of students	15%
76-100% of students	7%

Have you spent time teaching your students how to use ChatGPT*?

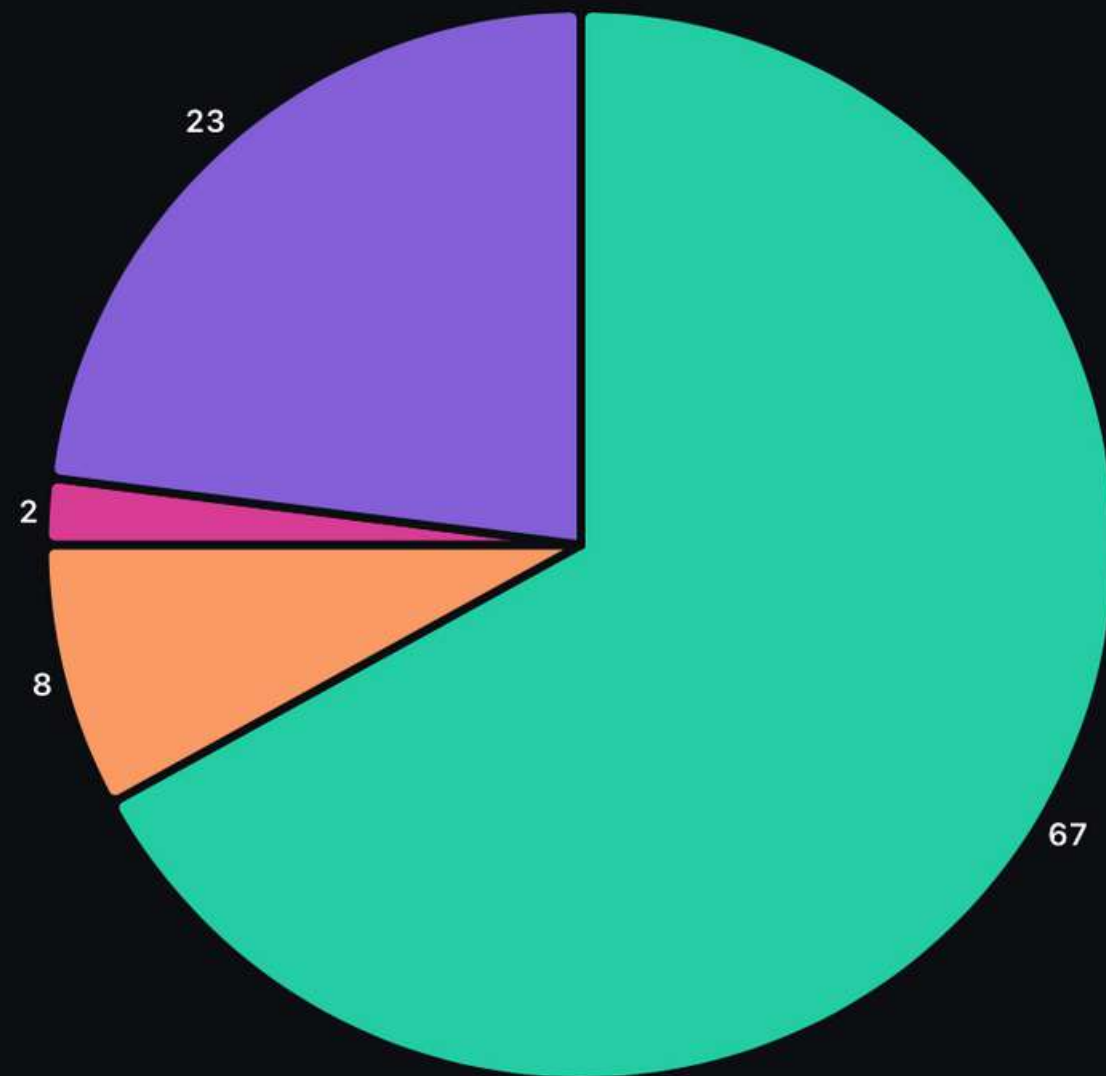● No   ● Yes, sometimes   ● Yes, often   ● –

*CHATGPT OR SIMILAR TOOLS

Fewer than 1 in 4 polled teachers have spent time teaching students how to use ChatGPT for educational purposes.

Response	Percentage
No	77%
Yes, sometimes	21%
Yes, often	2%

Generally speaking, do you think using ChatGPT* is helpful or harmful for learning?

● Helpful ● Harmful ● No impact ● Undecided ● —

23
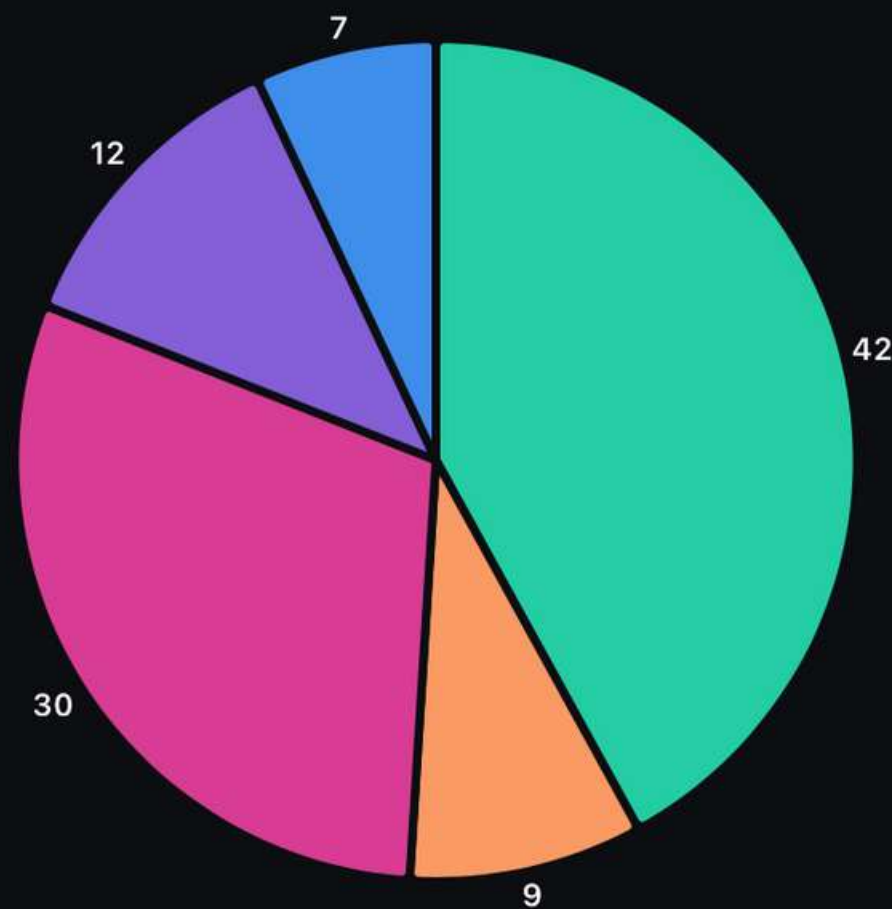2
8
67

*CHATGPT OR SIMILAR TOOLS

Among the respondents, **67% believe using ChatGPT is helpful for learning**, while only 8% view it as having a harmful impact. A significant portion of respondents (23%) remain undecided about ChatGPT's impact.

Response	Percentage
Helpful	67%
Harmful	8%
No impact	2%
Undecided	23%

Overall, which opinion most closely aligns with your stance on the use of AI in education?

- AI has huge potential for education and positives vastly outweigh the negatives
- AI is a net positive for education, but its impact is overhyped
- AI's pros and cons for education are evenly balanced
- AI is a net negative for education, but has potential to be improved
- AI is a dangerous technology that should be strictly regulated

*CHATGPT OR SIMILAR TOOLS

Roughly half of respondents have an optimistic stance on the use of AI in education. A third of polled teachers believe that the pros and cons are evenly balanced, while only 19% expressed a negative outlook on AI in education.

*REFER TO PIE CHART FOR FULL RESPONSE

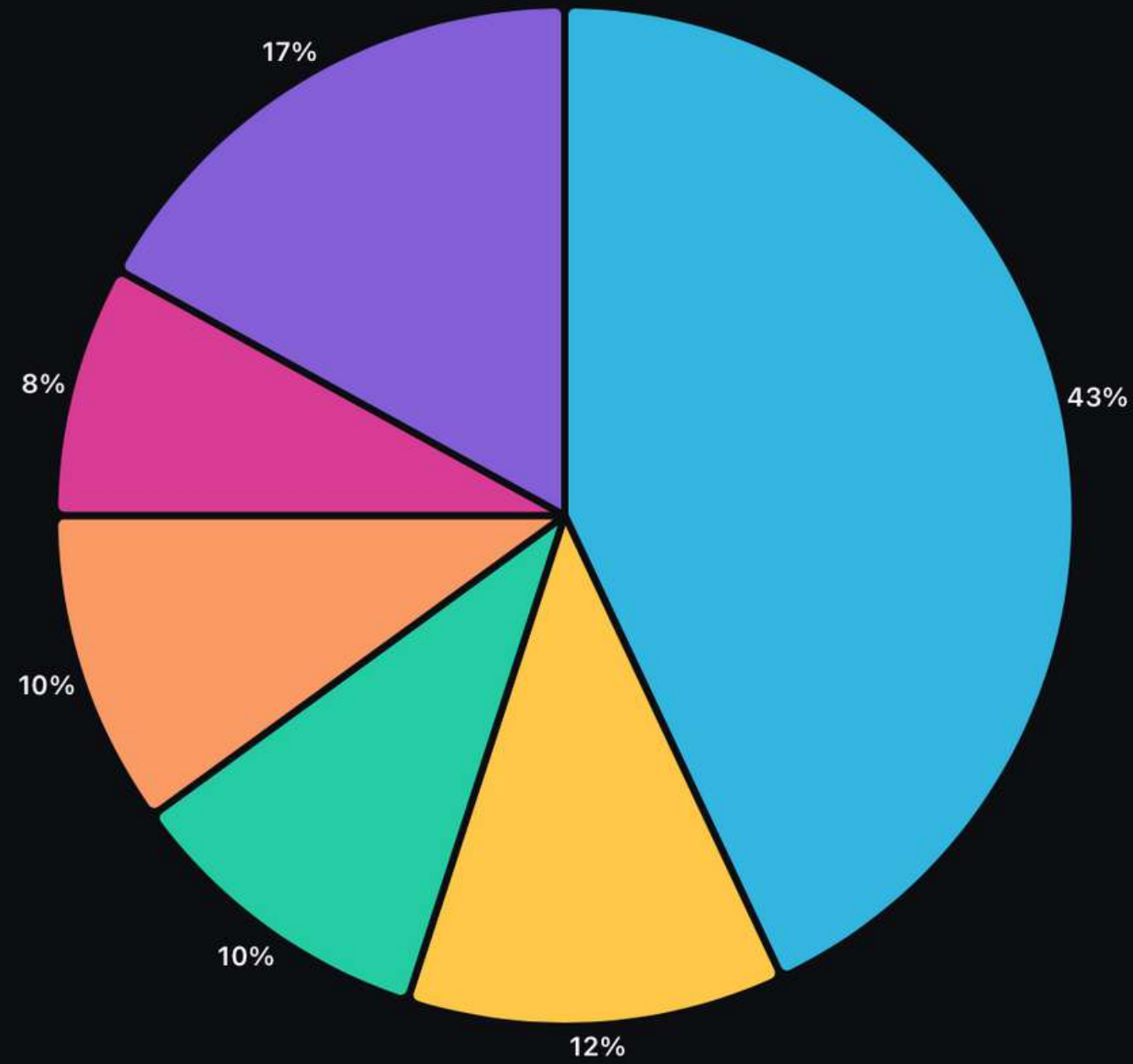| Response	Percentage
AI has huge potential...	42%
AI is a net positive...	9%
AI's pros and cons...	30%
AI is a net negative...	12%
AI is a dangerous...	7%

STUDENT SURVEY RESULTS

Which students were surveyed?

Engineering • Science • Business Administration • Arts • Education • Others
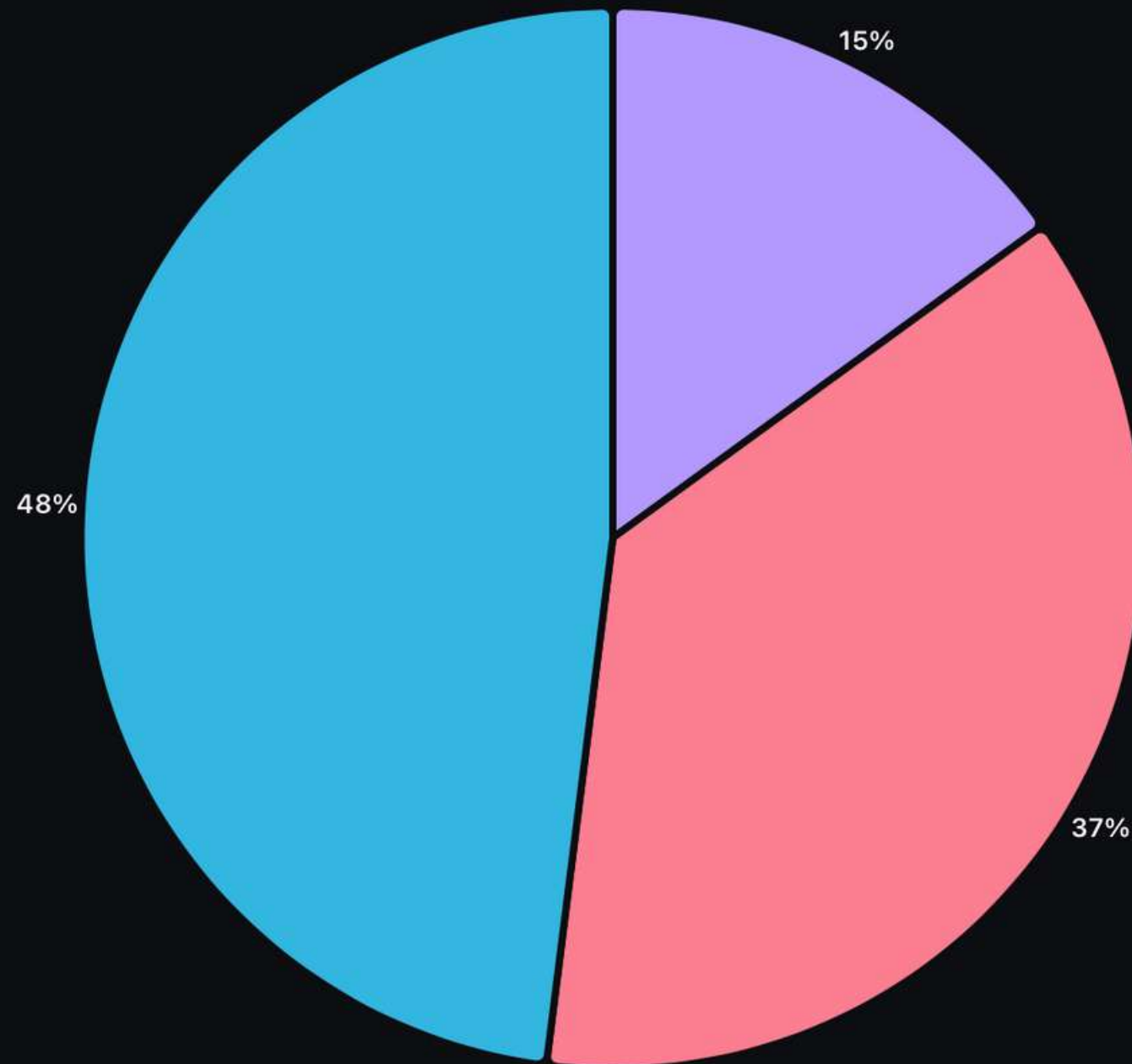
17%
43%
8%
10%
10%
12%

The greatest number of polled students came from the **Faculty of Engineering**, followed by Sciences and Business.

Faculty	Percentage
Engineering	43%
Science	12%
Business Administration	10%
Arts	10%
Education	8%
Others	17%

22

Respondents' years of study

● First-year student ● Undergraduate ● Post-graduate

15%
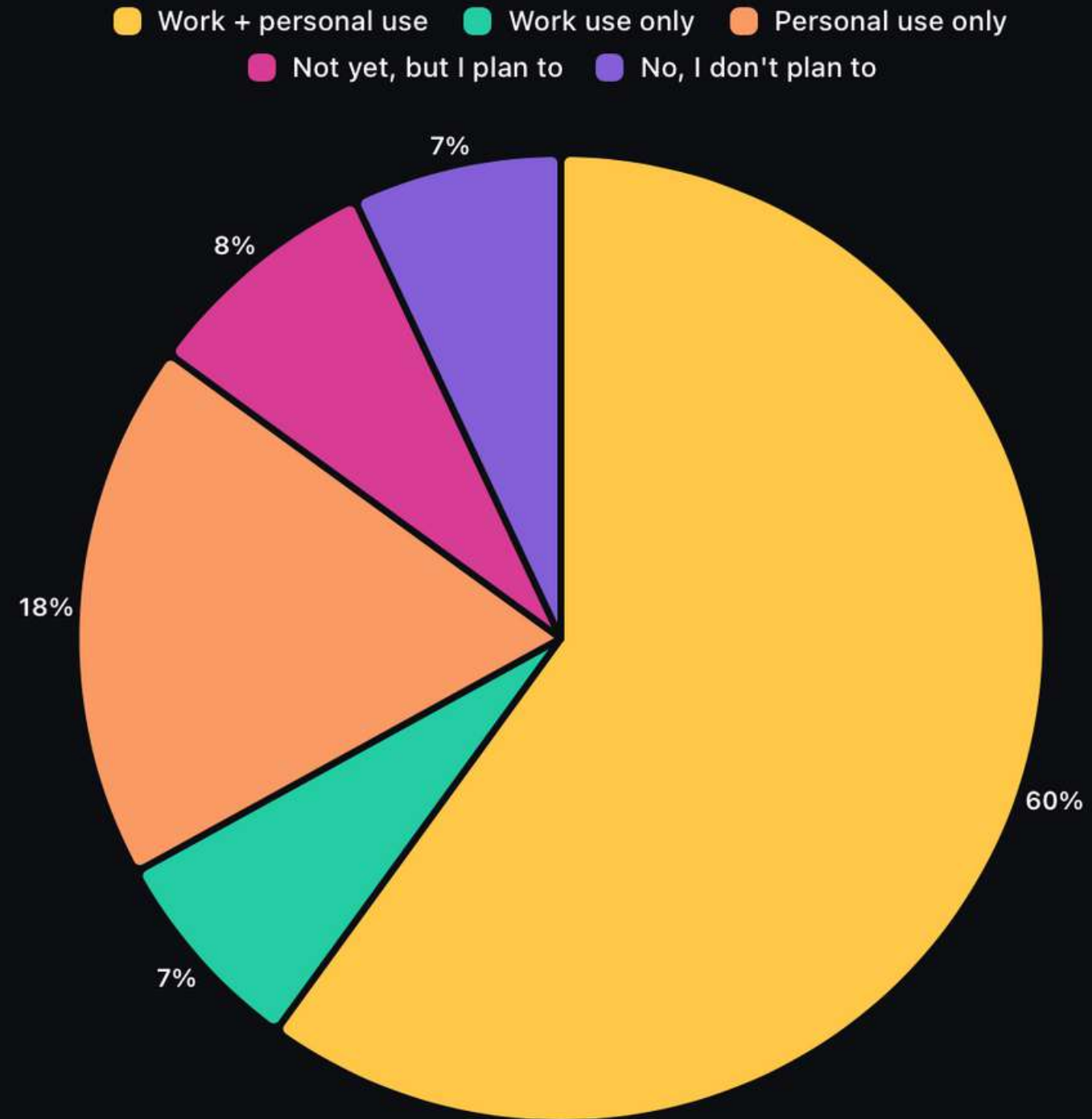
48%

37%

The largest group of respondents were **post-graduates** at the time of survey.

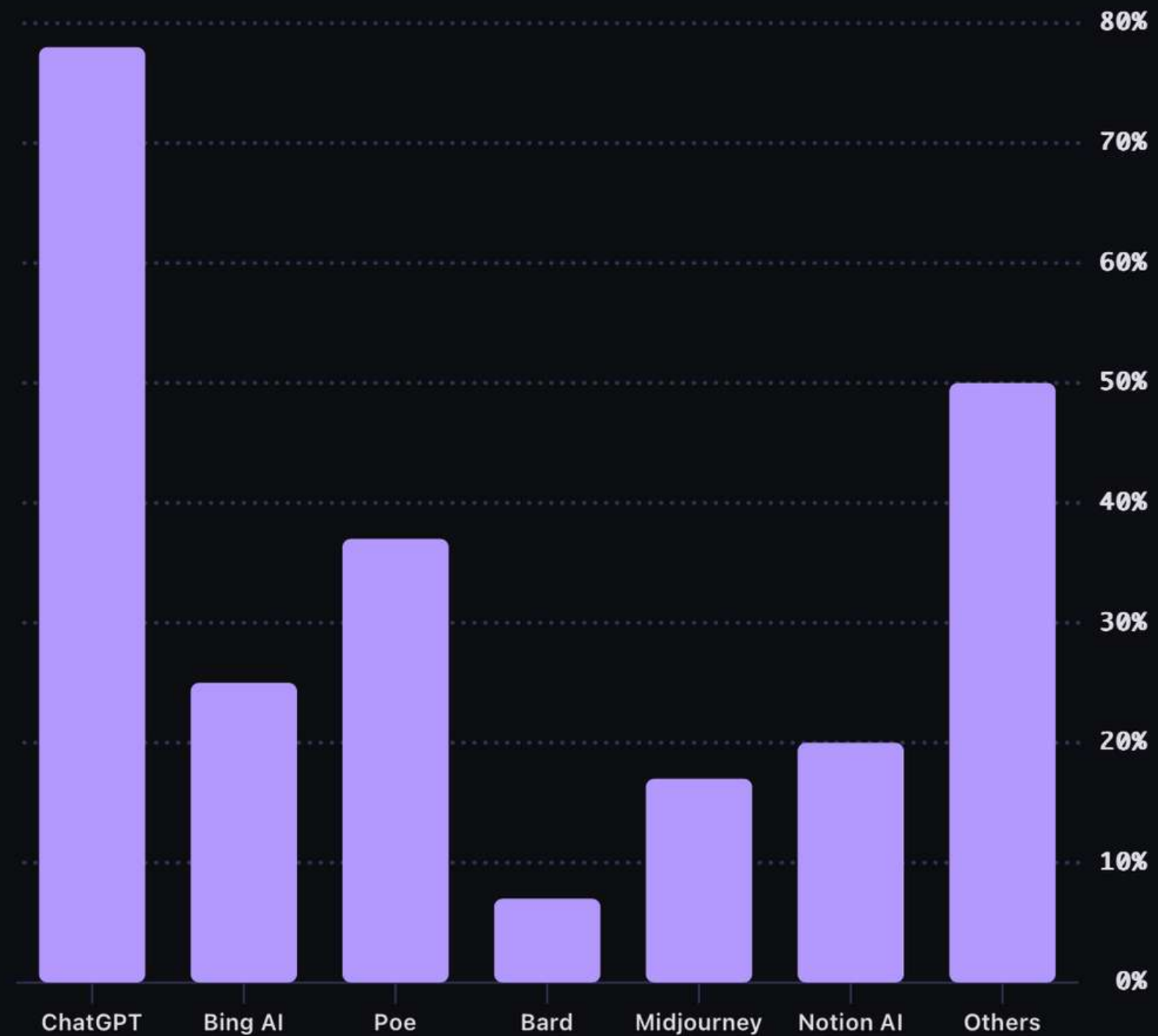| Academic level	Percentage %
First-year student	15%
Undergraduate	37%
Post-graduate	48%

60% of students use ChatGPT or similar tools for both work and personal purposes.

Only a small minority (7%) don't plan on using any such tools in the future.

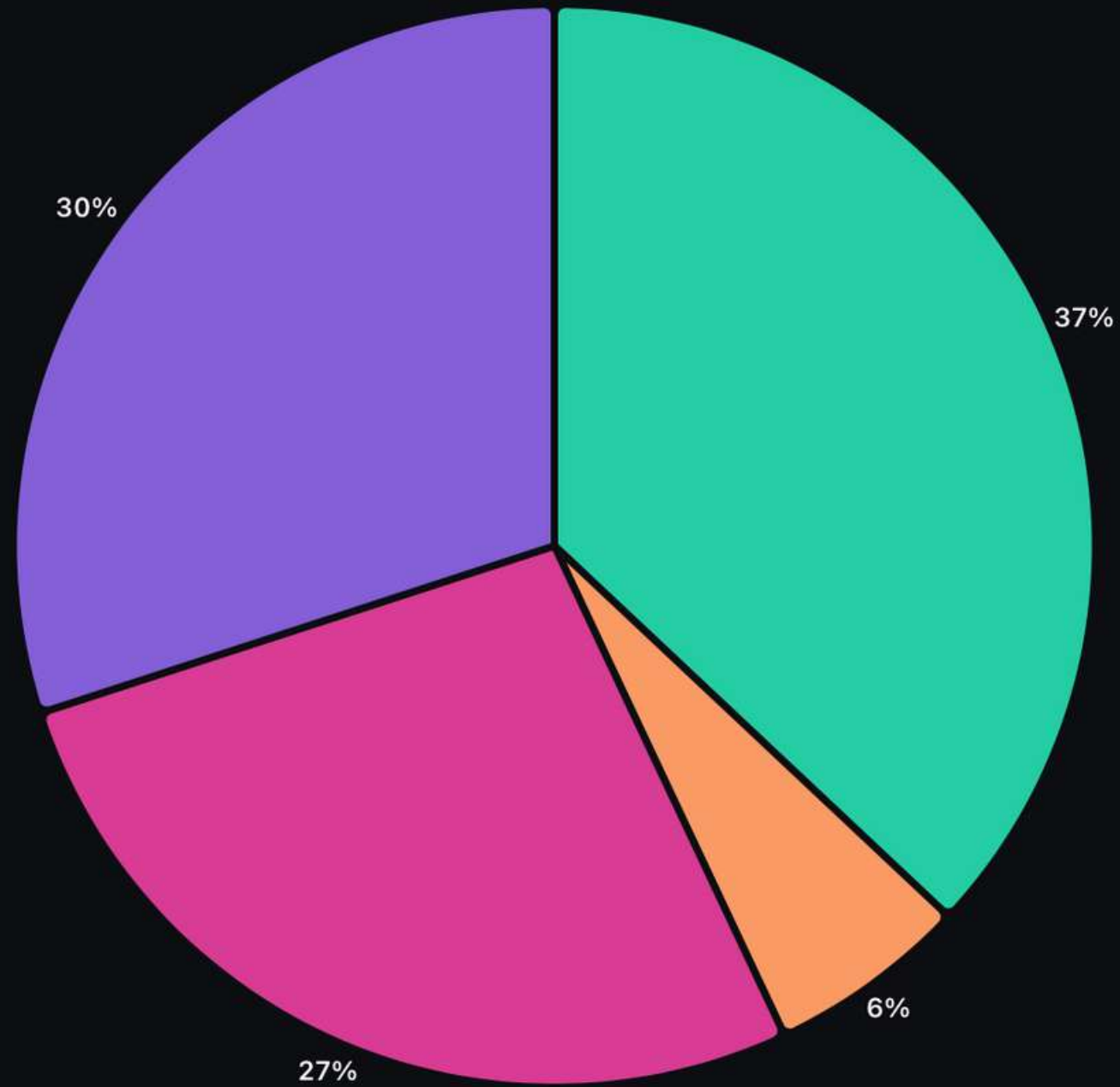| Response	Percentage
Work + personal use	60%
Work use only	7%
Personal use only	18%
Not yet, but I plan to	8%
No, I don't plan to	7%

Which AI tools have you used?

Most students have experimented with more than one tool, with **ChatGPT having the highest overall usage** (78% of respondents).

AI Tool	Percentage
ChatGPT	78%
Bing AI	25%
Poe	37%
Bard	7%
Midjourney	17%
Notion AI	20%
Others	50%

Does your uni. have an official AI policy stance? // Graphy

- Yes, AI is allowed
- Yes, AI is prohibited
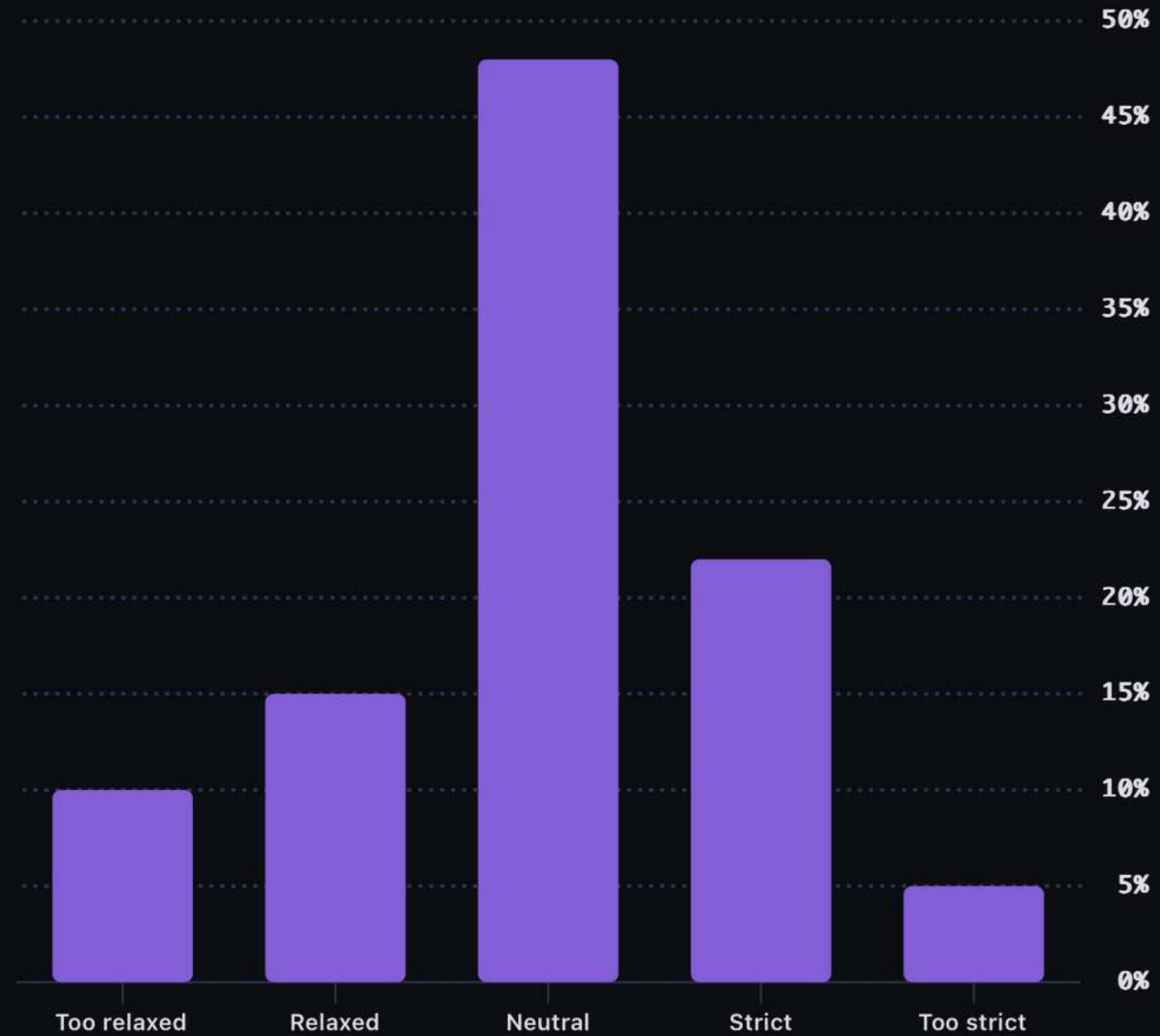- No official policy
- Not sure

30%
37%
27%
6%

Only 1 in 3 students said their university had an official policy regarding AI usage.

6% reported that their school prohibited use of AI altogether.

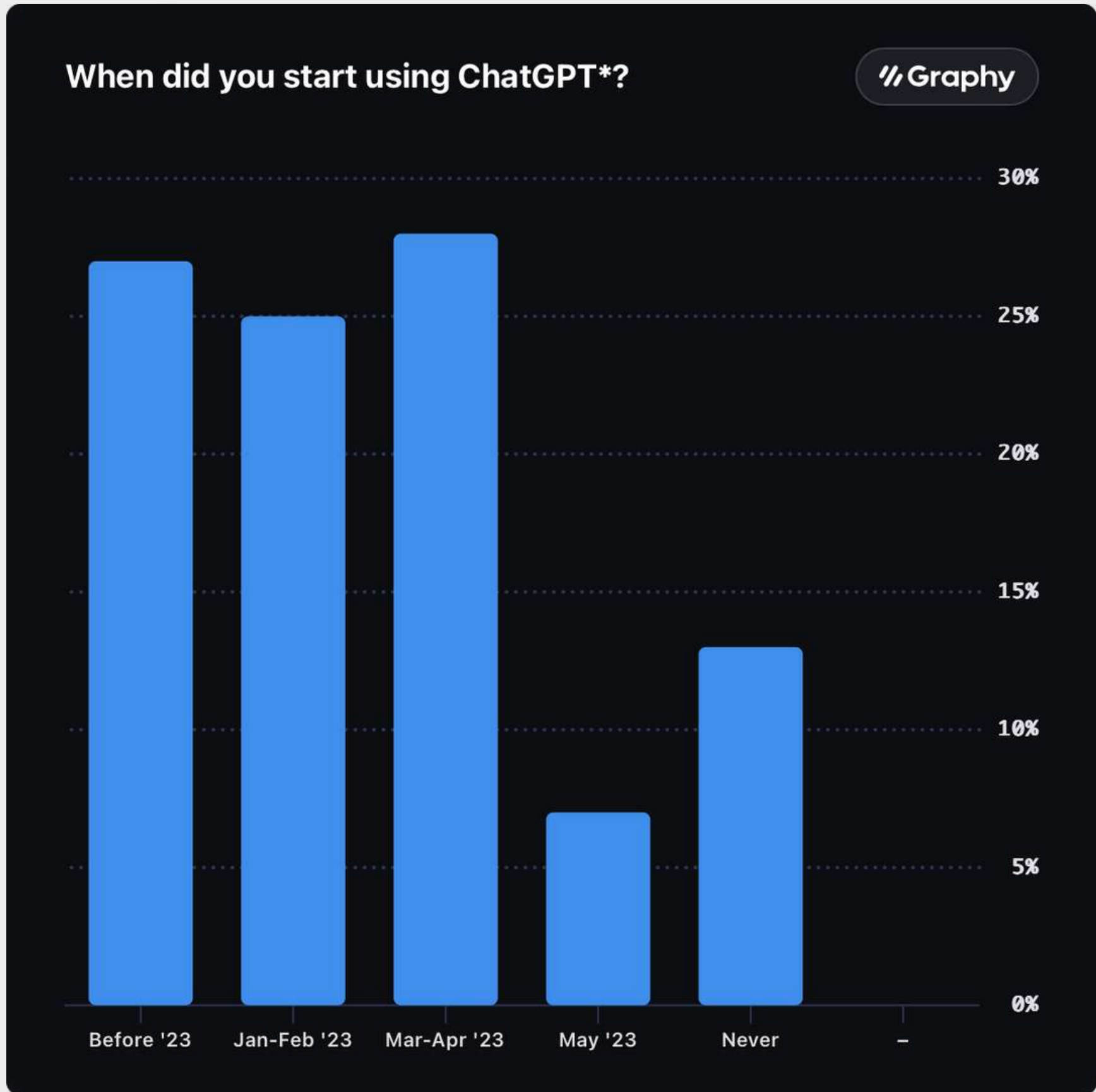| Response	Percentage
Yes, AI is allowed	37%
Yes, AI is prohibited	6%
No official policy	27%
Not sure	30%

Around half of polled students have a neutral opinion of their school's AI policy.

For the opinionated, a roughly equal number of students thought the policy was either relaxed or strict.

Response	Percentage
Too relaxed	10%
Relaxed	15%
Neutral	48%
Strict	22%
Too strict	5%

When did you start using ChatGPT*?

*CHATGPT OR SIMILAR TOOLS

The majority of polled students started using ChatGPT or similar AI tools in **before 2023 or in early 2023.**

13% are not yet users, indicating there is still significant room for growth in using AI.
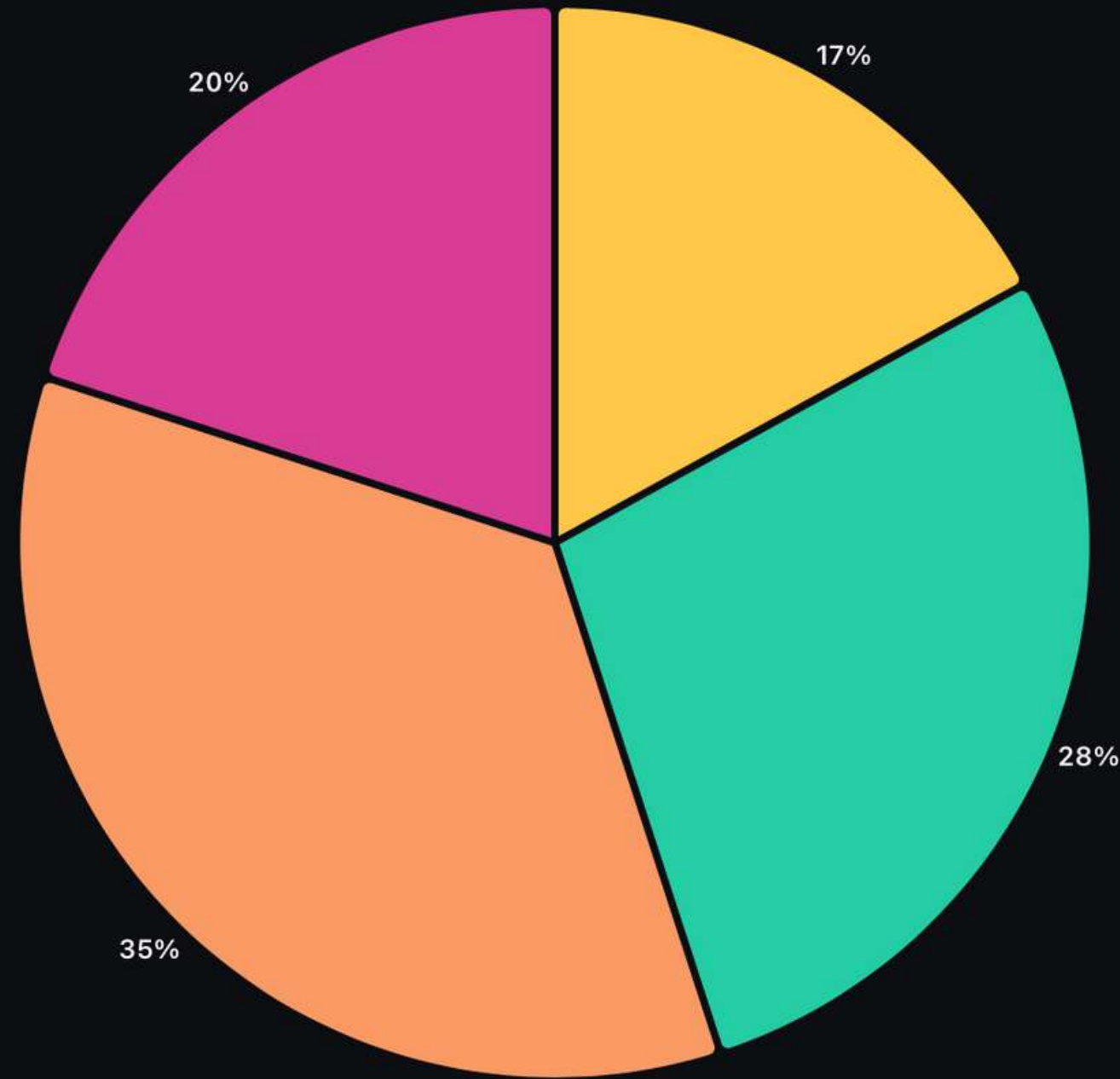
Response	Percentage
Before '23	27%
Jan-Feb '23	25%
Mar-Apr '23	28%
May '23	7%
Never	13%

Rate your level of understanding of ChatGPT*

- Just getting started
- Basic
- Intermediate
- Advanced
- Expert

17%
28%
35%
20%

*CHATGPT OR SIMILAR TOOLS

The highest number of polled students rated themselves as **intermediate users of ChatGPT** or similar tools.
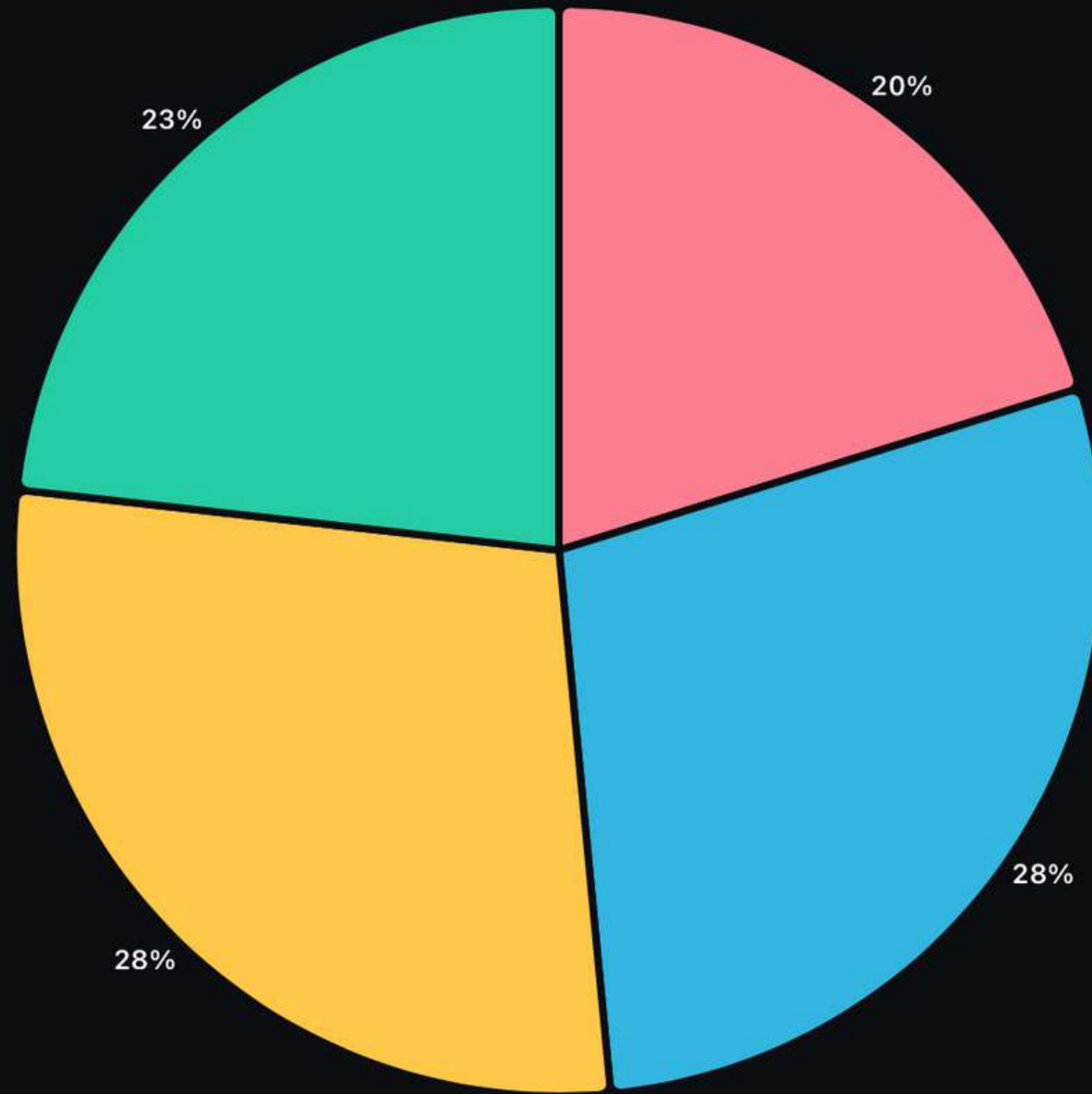
No students considered themselves expert users.

Response	Percentage
Just getting started	17%
Basic	28%
Intermediate	35%
Advanced	20%
Expert	0%

29

How often do you use ChatGPT* for work?

- 5-7 times/week
- 2-4 times/week
- Once a week or less
- Never

20%
28%
28%
23%

*CHATGPT OR SIMILAR TOOLS

Most students aren't using ChatGPT everyday. Only 37% use it for work more than twice a week. 39% use it once a week or less.

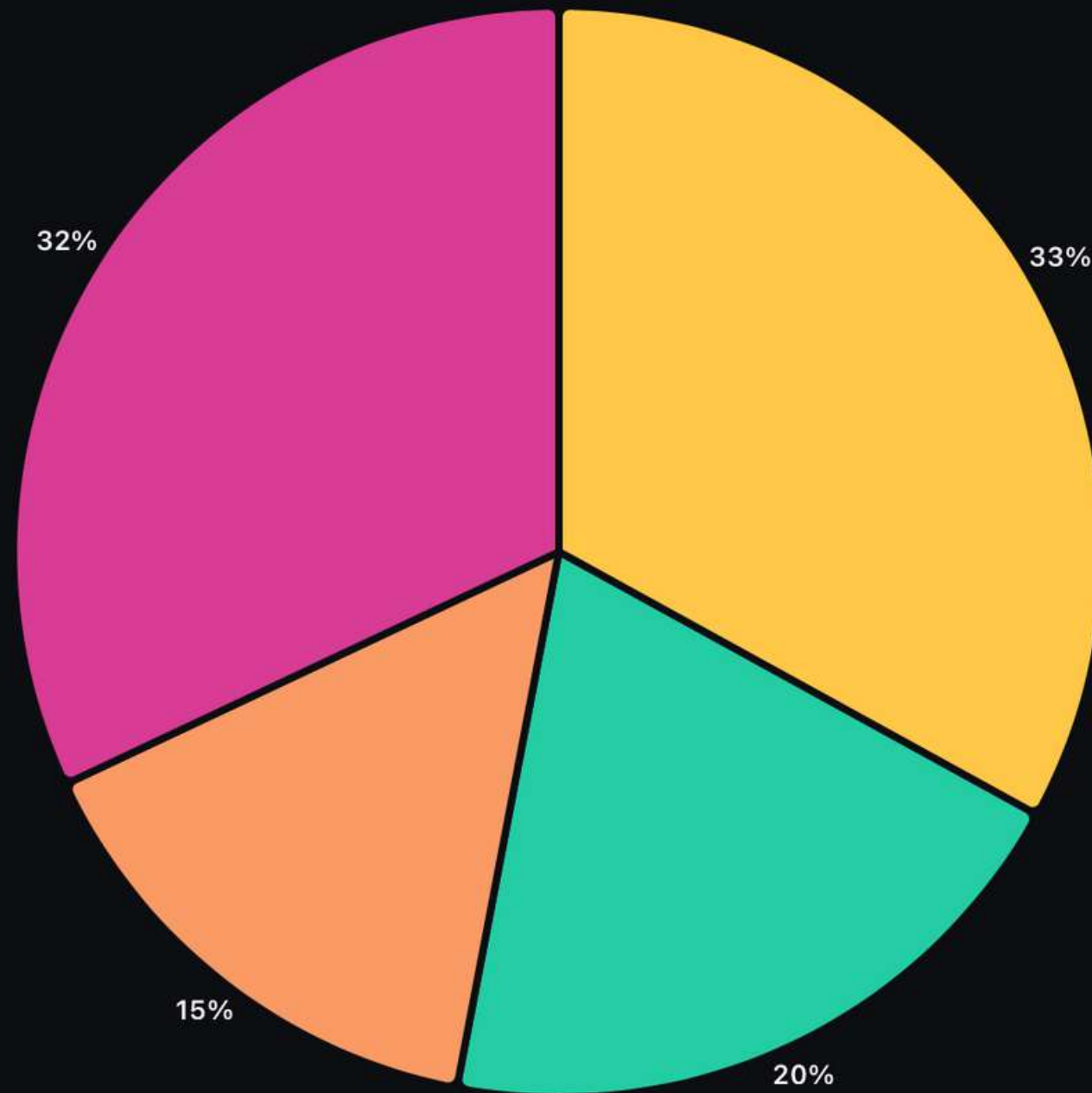Around a quarter of students don't use it for academic work at all.

Response	Percentage
5-7 times/week	20%
2-4 times/week	28%
Once a week or less	28%
Never	23%

What do you use ChatGPT* for the most?

- Research
- Writing assignments
- Studying for exams
- Personal tasks

32% · 33% · 15% · 20%

*CHATGPT OR SIMILAR TOOLS

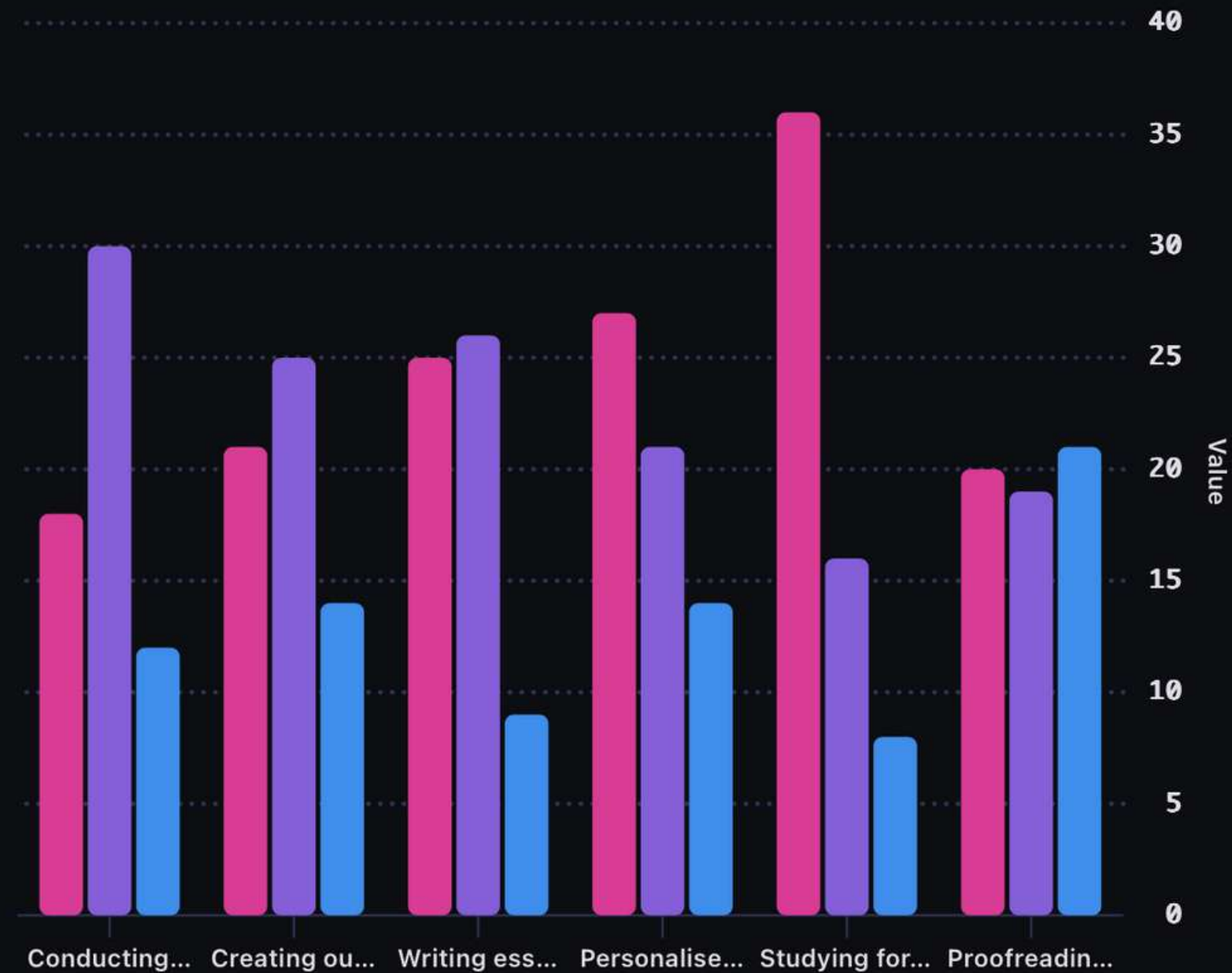**Research and personal tasks** are the most common primary uses for ChatGPT, according to polled students.

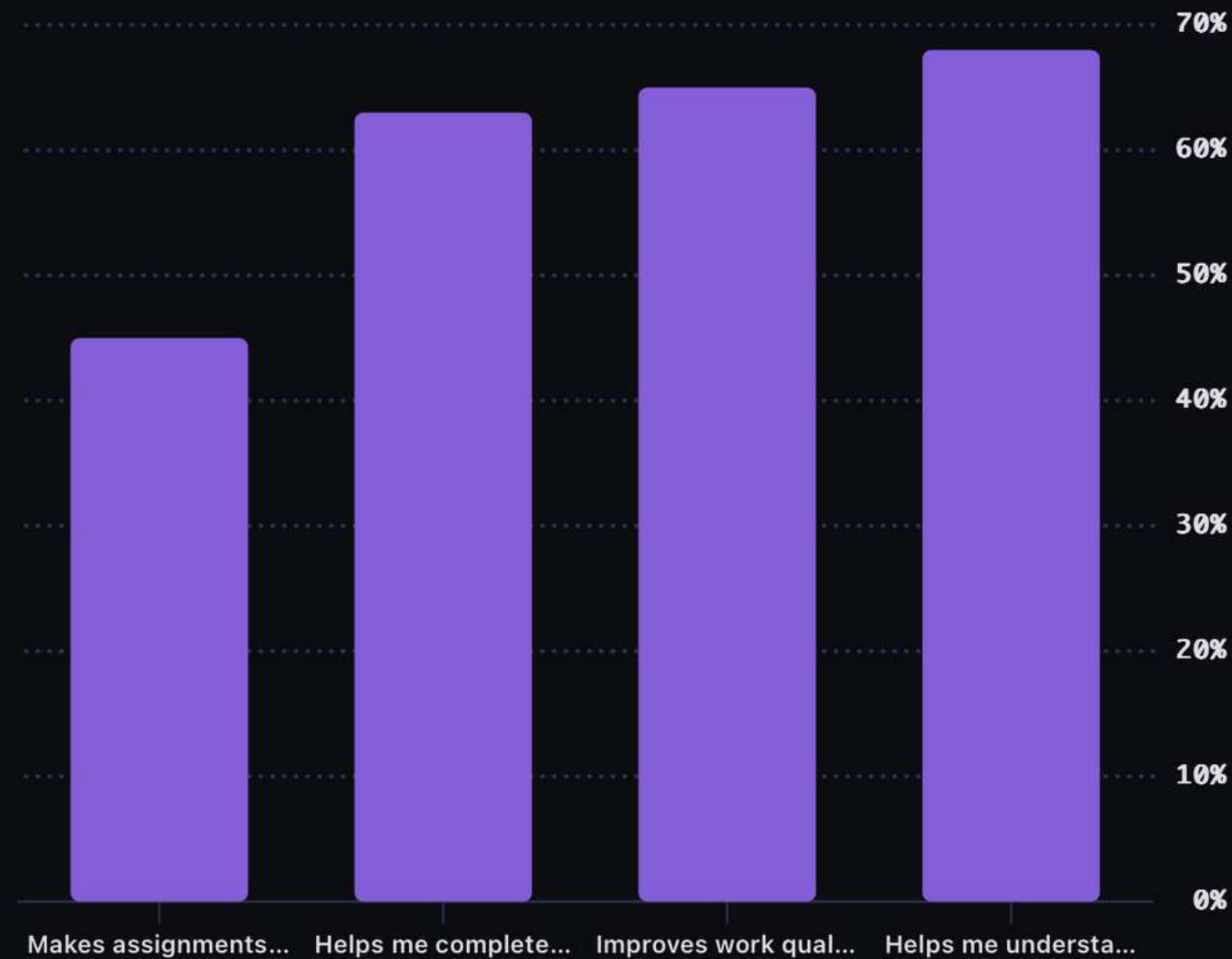| Response	Percentage
Research	33%
Writing assignments	20%
Studying for exams	15%
Personal tasks	32%

31

Most polled teachers have **never used ChatGPT to study for exams**. The highest number of "frequent use" responses went to "proofreading and editing."

	Never	Sometimes	Frequently
Conducting research	18	30	12
Creating outlines	21	25	14
Writing essays	25	26	9
Personal AI tutor	27	21	14
Studying for exams	36	16	8
Proofreading, editing	20	19	21

NUMBER OF RESPONSES

How has ChatGPT* changed the way you work? (select all that apply)
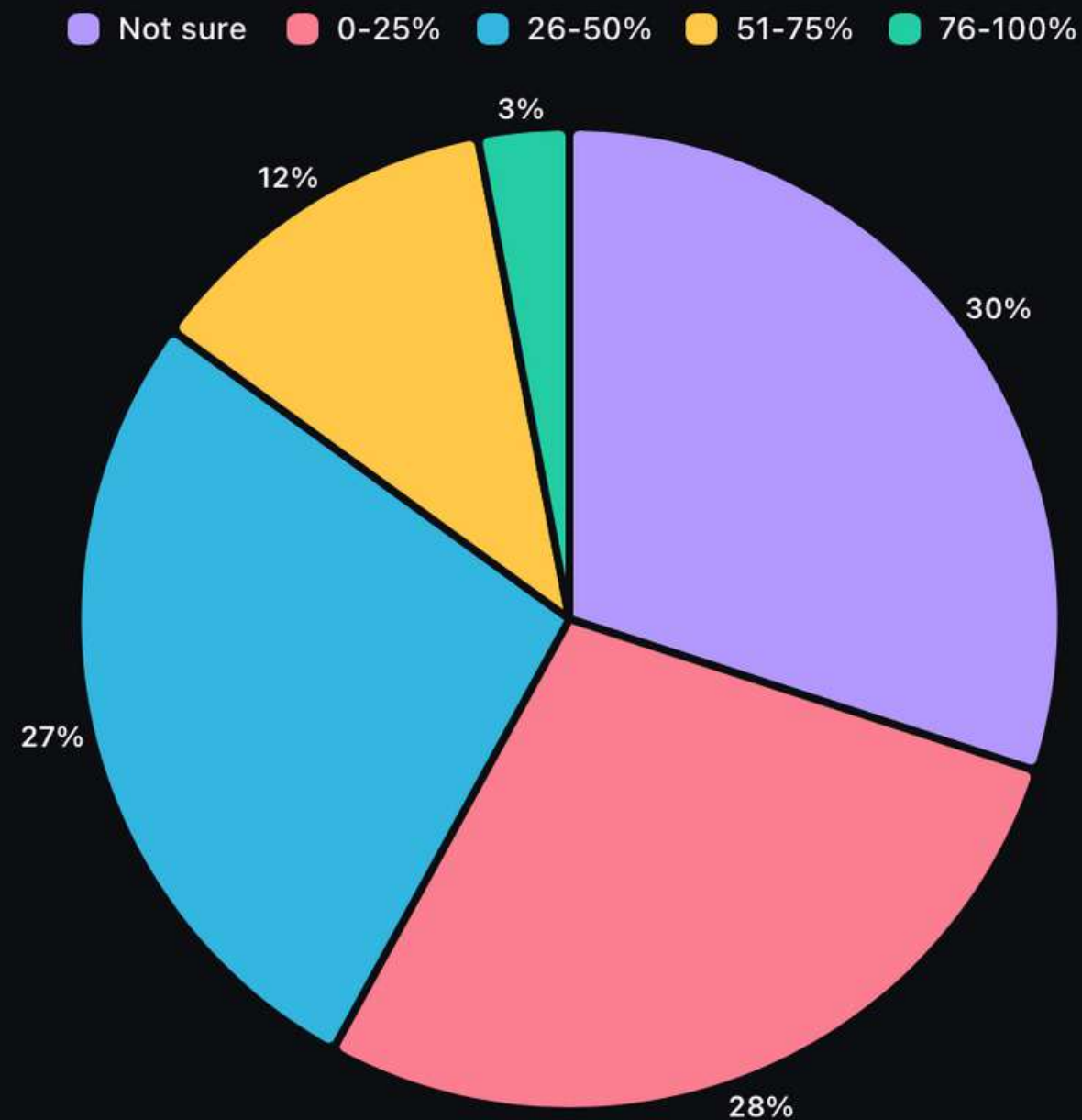
*CHATGPT OR SIMILAR TOOLS

68% of polled students said using **ChatGPT helped them understand concepts better.** Less than half said it made assignments easier.

Response	Percentage
Makes assignments easier	45%
Helps me complete work more quickly	63%
Improves work quality	65%
Helps me understand concepts better	68%

33

How many of your teachers do you believe are using ChatGPT* to write lessons, give feedback, or assess work?

Legend: Not sure · 0-25% · 26-50% · 51-75% · 76-100%

Pie chart values: 30%, 28%, 27%, 12%, 3%
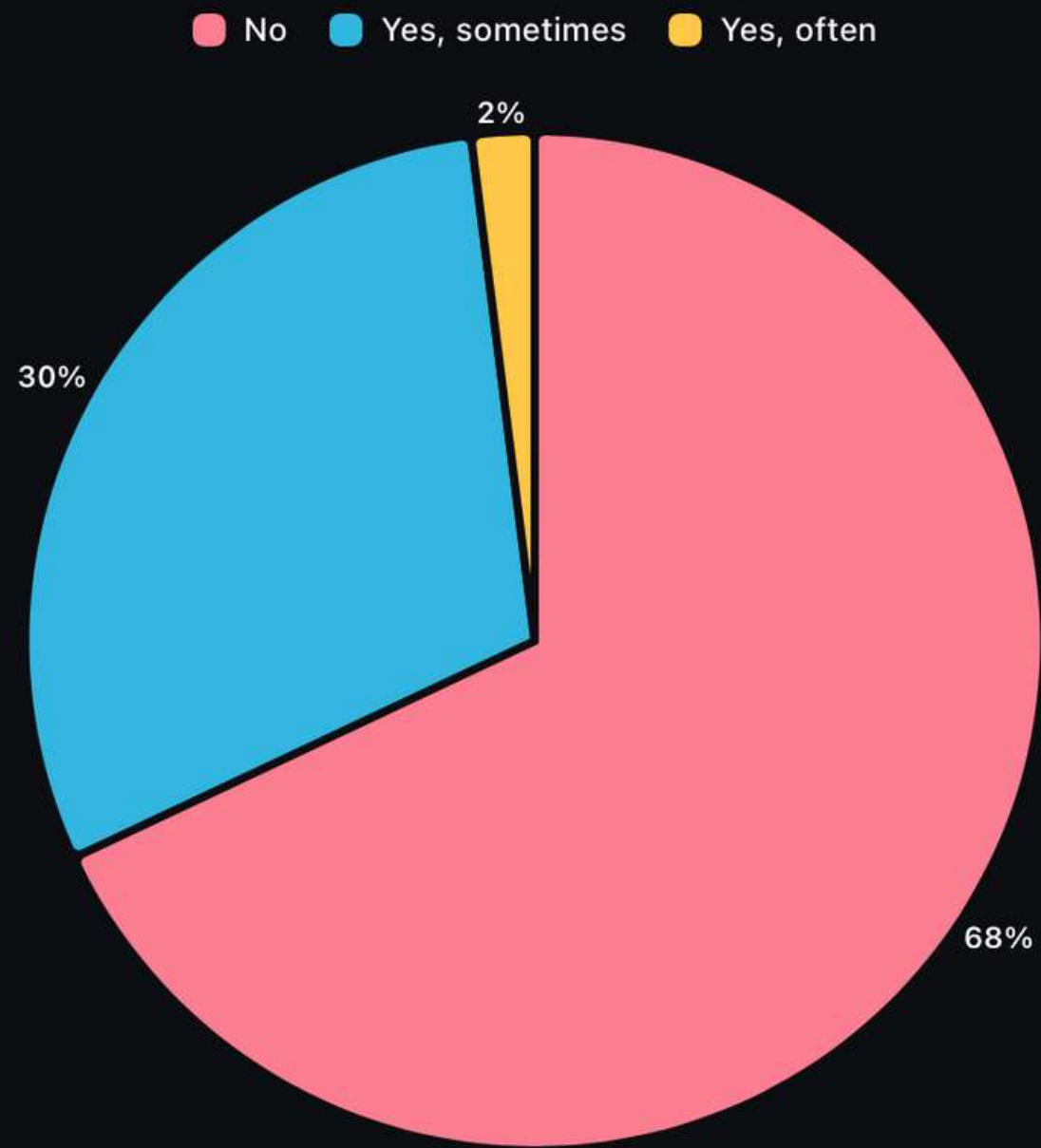
*CHATGPT OR SIMILAR TOOLS

28% of polled students **believed that only a quarter or fewer** of their teachers used ChatGPT or similar tools to write lessons, give student feedback, or assess student work.

Response	Percentage
Not sure	30%
0-25% of teachers	28%
26-50% of teachers	27%
51-75% of teachers	12%
76-100% of teachers	3%

Have your teachers spent time teaching you how to use ChatGPT*?

Legend: No · Yes, sometimes · Yes, often

2%
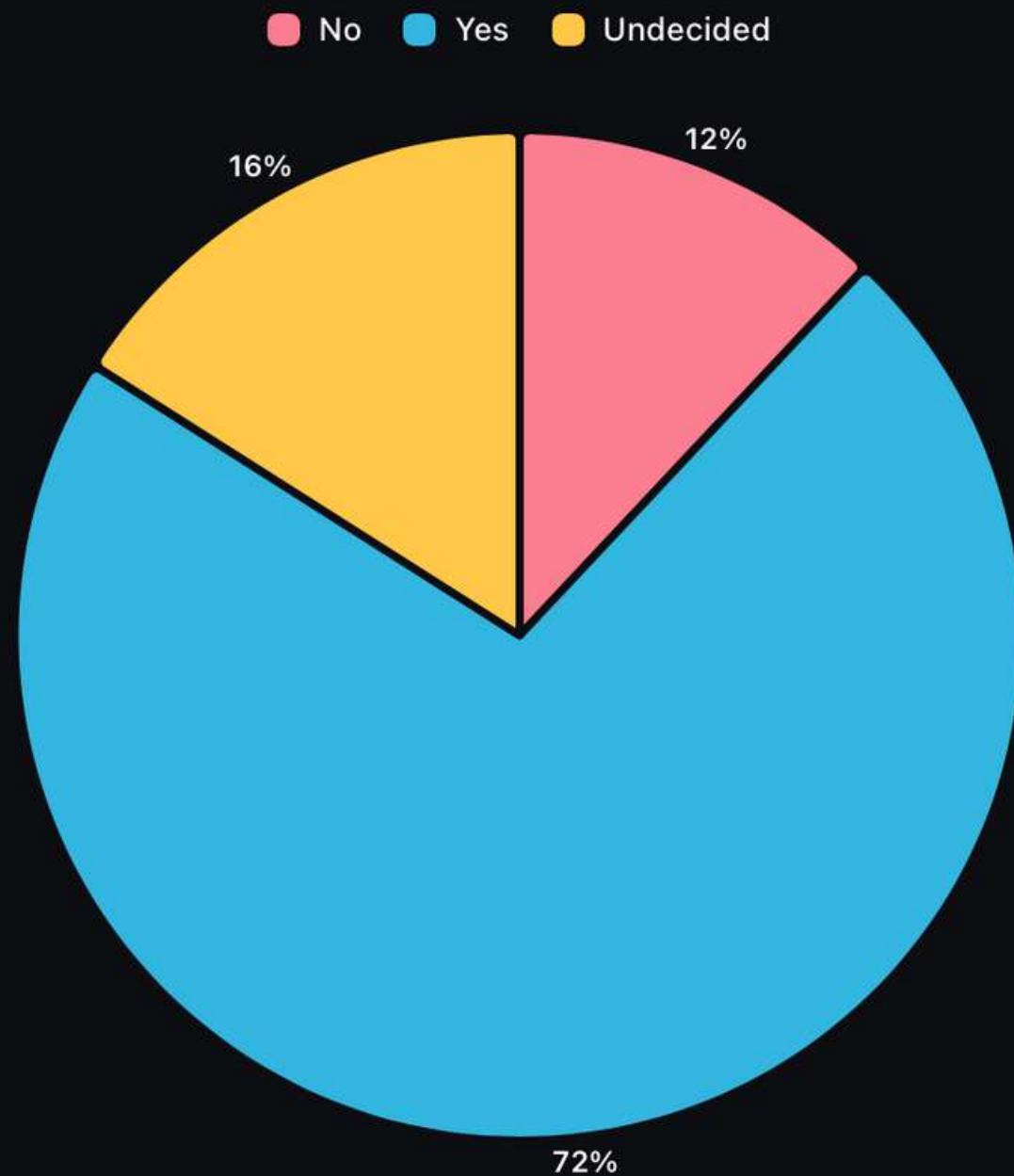30%
68%

*CHATGPT OR SIMILAR TOOLS

The majority of polled students reported that their **teachers have not spent any time** teaching them how to use ChatGPT*.

Response	Percentage
No	68%
Yes, sometimes	30%
Yes, often	2%

Do you believe schools should teach you how to use ChatGPT*?
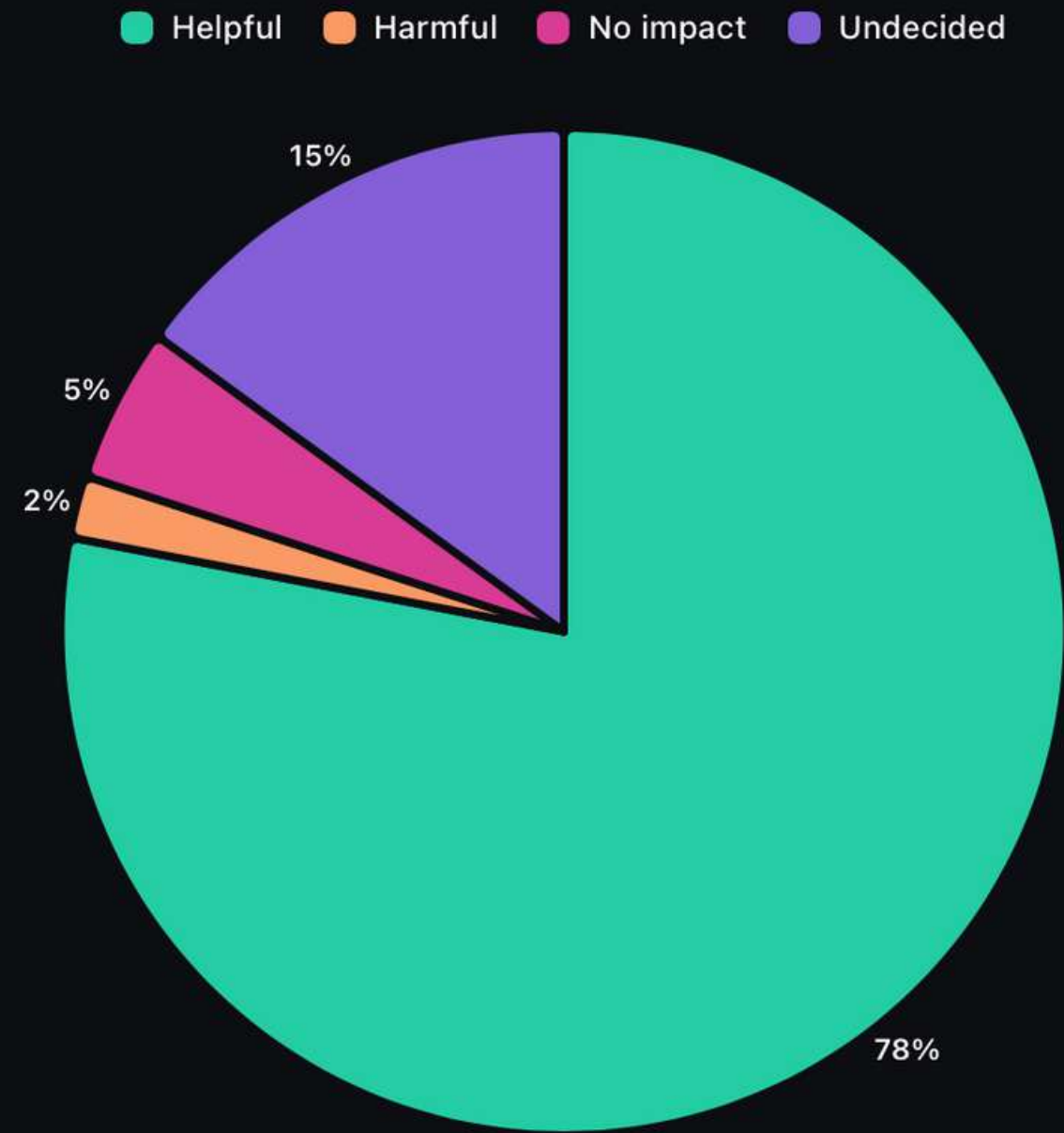
- No
- Yes
- Undecided

12%
16%
72%

The majority of polled students reported that their **teachers have not spent any time** teaching them how to use ChatGPT*.

Response	Percentage
No	12%
Yes	72%
Undecided	16%

*CHATGPT OR SIMILAR TOOLS

Generally speaking, do you think using ChatGPT* is helpful or harmful for learning?
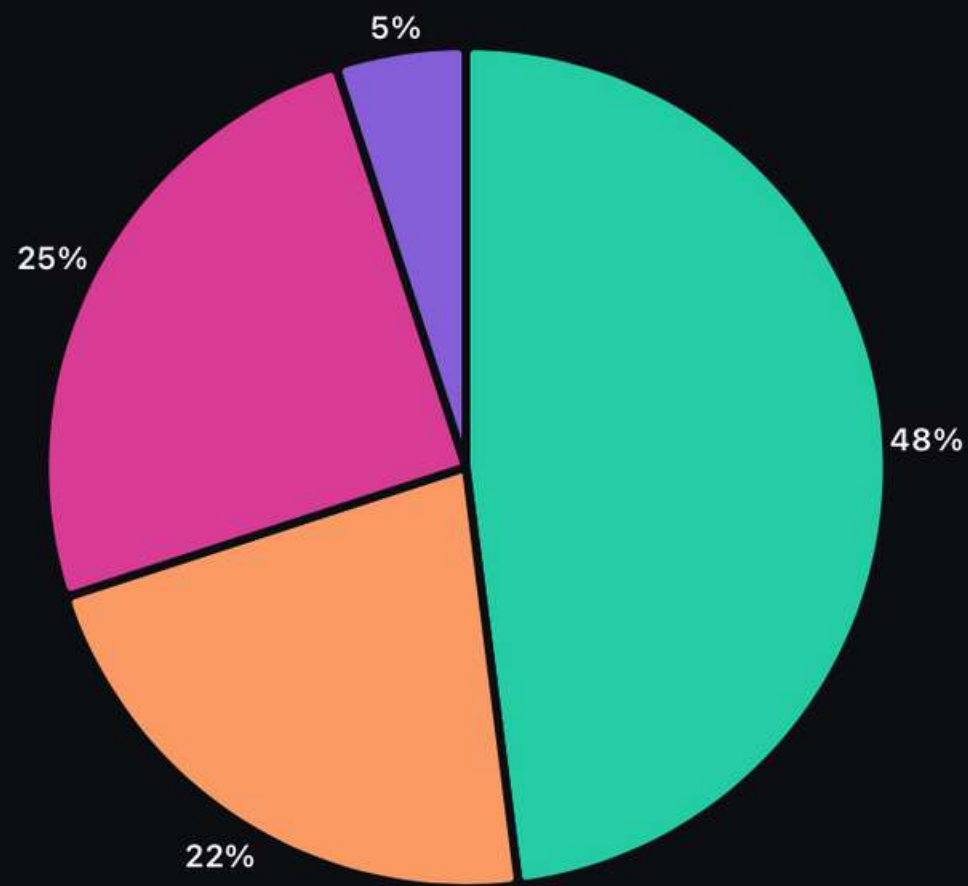
● Helpful ● Harmful ● No impact ● Undecided

*CHATGPT OR SIMILAR TOOLS

Among the respondents, **78% believe using ChatGPT is helpful for learning**, while only 2% view it as having a harmful impact.

Response	Percentage
Helpful	78%
Harmful	2%
No impact	5%
Undecided	15%

*CHATGPT OR SIMILAR TOOLS

Roughly half of respondents have an optimistic stance on the use of AI in education. A quarter of polled students believe that the pros and cons are evenly balanced, while only a 5% minority expressed a negative outlook on AI in education.

*REFER TO PIE CHART FOR FULL RESPONSE

Response	Percentage
AI has huge potential...	48%
AI is a net positive...	22%
AI's pros and cons...	25%
AI is a net negative...	5%
AI is a dangerous...	0%

Thank you for downloading our survey.

Please note that the results of this online survey should be used for reference only.

If you are a professor and would like to participate in a more scientific approach to research concerning educator and student perception of AI in education, please send us an email at info@keep.edu.hk with the following subject line:

"Interest in AI in Education research"

We may be conducting further research on this topic in the future.