



Psychologist

What do Psychologist do?

- They study **mental processes** and **human behavior** by observing, interpreting, and recording how people and other animals relate to one another and the environment.
- They look for patterns that help them understand and predict behavior using scientific methods, principles, or procedures to test their ideas.



Usage of Math

- Psychologist use **Statistics** to organize research, analyze data, interpret results, and report their findings.
- Statistics allow psychologists to present data in **visual displays** such as **graphs, pie charts, frequency distributions, and scatterplots** .
- “Without sophisticated mathematics, the field of intelligence testing could not have developed as it has today.” states Chris Taylor. - PhD in mathematics



Math Problem

A Psychologist wants to know how many hours students study for three different subjects: Math, Science, and English. The researcher does a survey on five students and asks them to write down how many hours they spend on each subject per week.

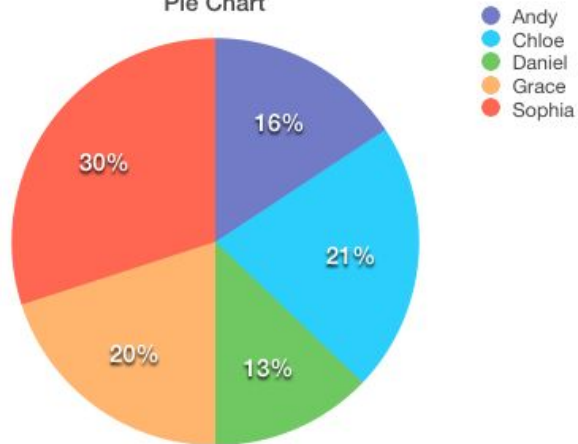


Math Problem

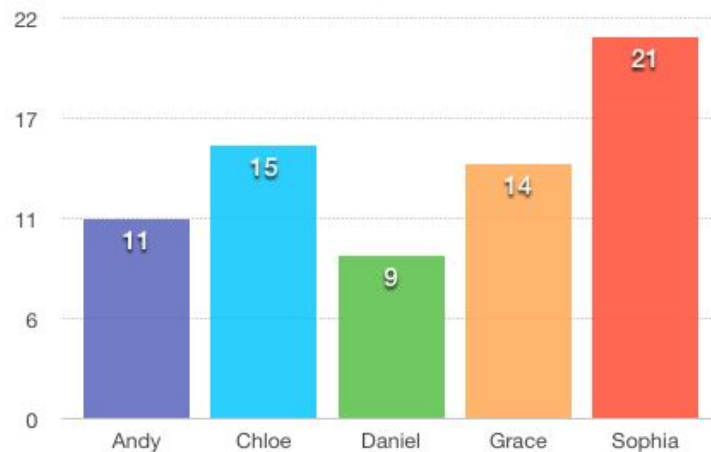
Math

| STUDENT | HOURS PER WEEK |
|---------|----------------|
| Andy | 11 |
| Chloe | 15 |
| Daniel | 9 |
| Grace | 14 |
| Sophia | 21 |

Pie Chart



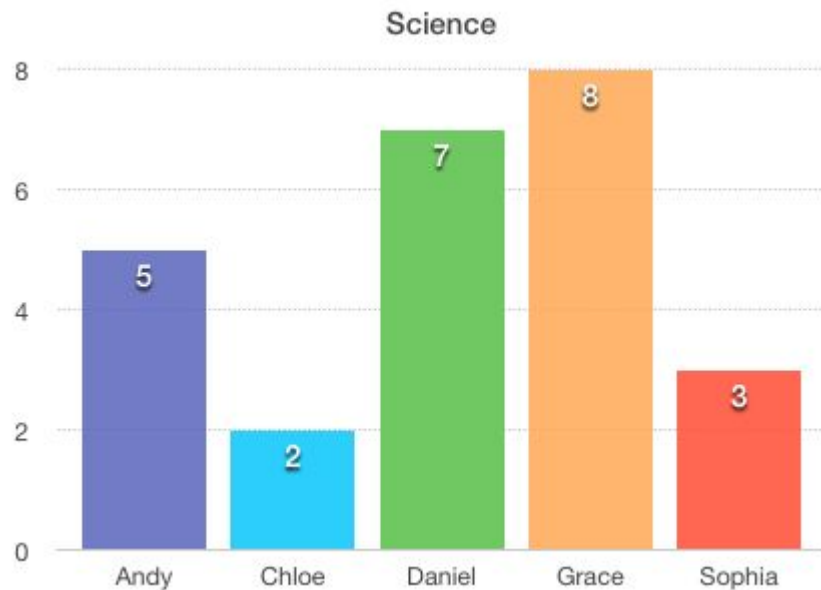
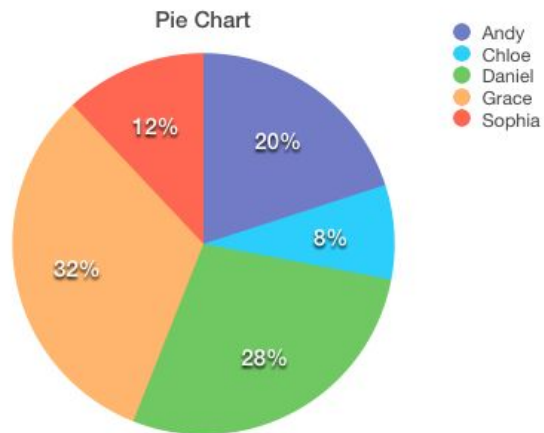
Math



Math Problem

Science

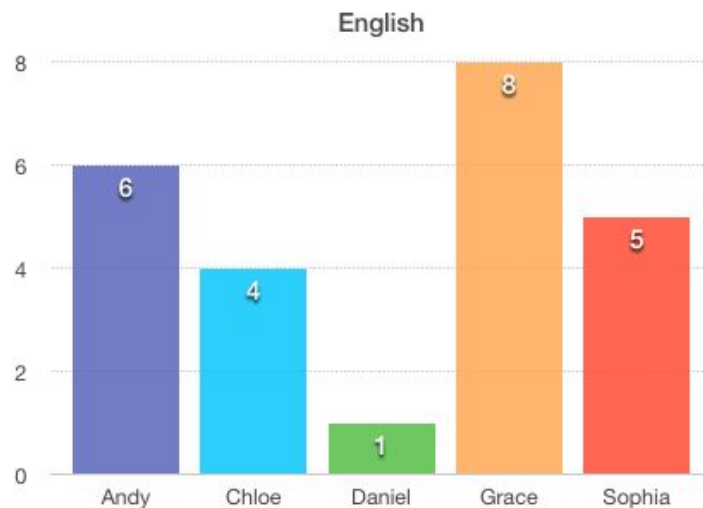
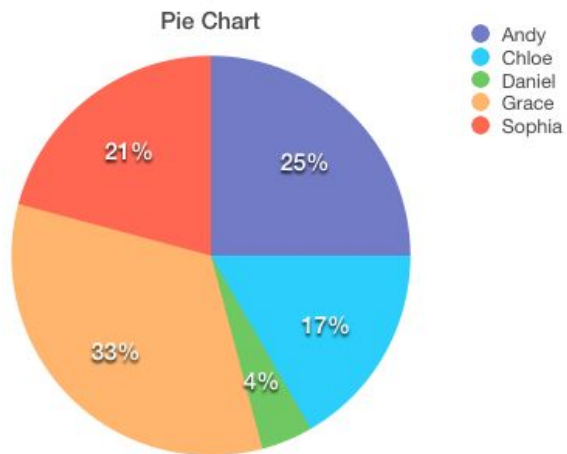
| STUDENT | HOURS PER WEEK |
|---------|----------------|
| Andy | 5 |
| Chloe | 2 |
| Daniel | 7 |
| Grace | 8 |
| Sophia | 3 |



Math Problem

English

| STUDENT | HOURS PER HOUR |
|---------|----------------|
| Andy | 6 |
| Chloe | 4 |
| Daniel | 1 |
| Grace | 8 |
| Sophia | 5 |



Education

- Bachelor's degree (4 to 5 years), teaches the fundamentals of psychology. **Potential employment settings with a bachelor's in psychology could include nonprofit organizations, market research firms, social services agencies, government, marketing departments, or advertising agencies.**
- Master's degree (2 to 3 years), can qualify you to practice in the field as a case manager, employment specialist, or social worker. **Often pursue positions in education, government, human services, health care mental health care, and marketing/advertising.**
- Doctorate (4 to 7 years). The type of doctoral degree you choose—either a Doctor of Psychology (PsyD) or Doctor of Philosophy in Psychology (PhD)—. **A doctorate produces psychologists who can understand and apply research as well as conduct it.**



Works Cited

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<https://www.studentscholarships.org/salary/355/psychologists.php>

<http://www.capella.edu/online-psychology-degrees/FAQ/how-long-does-it-take-to-become-a-psychologist/>