

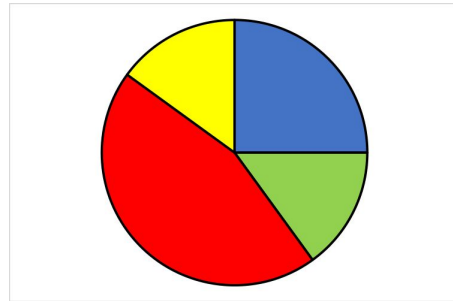
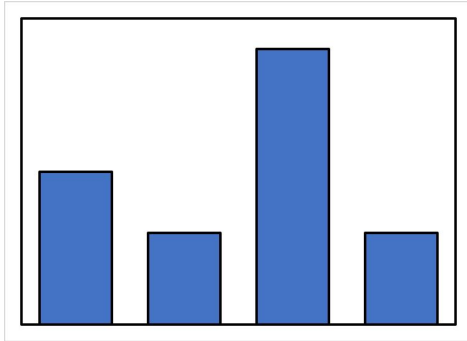


CEMC at Home features Problem of the Week

Grade 4/5/6 - Thursday, April 23, 2020

Lost Data

Tanner randomly surveyed 40 students in his school about their ages. The ages given were six, seven, eight, and nine. After gathering the answers, he drew a bar chart and a pie chart to show the results. Unfortunately, before he labelled each chart, he lost the original data. The charts are shown below:



Tanner did remember that 6 students in the survey answered six for their age. He also remembered that $\frac{1}{4}$ of the students surveyed answered eight for their age, and that the most popular answer was age seven. Based on this information, complete the table below:

| Age | Number of Students |
|-------|--------------------|
| six | 6 |
| seven | |
| eight | |
| nine | |

More Info:

Check the CEMC at Home webpage on Thursday, April 30 for the solution to this problem.

Alternatively, subscribe to Problem of the Week at the link below and have the solution, along with a new problem, emailed to you on Thursday, April 30.

This CEMC at Home resource is the current grade 3/4 problem from Problem of the Week (POTW). This problem was developed for students in grades 3 and 4, but is also appropriate for students in grades 5 and 6. POTW is a free, weekly resource that the CEMC provides for teachers, parents, and students. Each week, problems from various areas of mathematics are posted on our website and e-mailed to our subscribers. Solutions to the problems are e-mailed one week later, along with a new problem. POTW is available in 5 levels: A (grade 3/4), B (grade 5/6), C (grade 7/8), D (grade 9/10), and E (grade 11/12).

To subscribe to Problem of the Week, to view this week's grade 5/6 problem, and to find many more past problems and their solutions, visit the [Problem of the Week webpage](#).