

## Glencoe Curriculum Portfolio Activities—Unit 9



### Math 1

**Create a database to determine final grades in a math class.**

Create a database for a math class with 10 students who took three tests during the quarter. The first test had 25 problems. The second test had 30 problems. The third test had 40 problems. Your database should calculate the percentage of correct answers for each student on each test. Your database should also calculate a final grade in the class based on the average of the three tests. For the final grade, use a grading scale: 91-100% = A; 81-90% = B; 71-80% = C; 61-70% = D; below 61% = F.

The number of correct items for each student is listed below.

Student name	Test 1	Test 2	Test 3
Anna	22	20	31
Carl	20	23	32
Catherine	24	28	37
Christopher	21	24	29
David	23	27	35
Ebony	24	28	36
Monsa	25	26	38
Paloma	22	22	34
Ricardo	23	20	35
Taisha	24	30	33

Be sure to formulate your database properly and shade the rows. Enter your formulas carefully so that your results are accurate. For help calculating percentages and for averaging, refer to *Glencoe Mathematics: Applications and Connections, Course 1*.

Resource:

*Glencoe Mathematics: Applications and Connections, Course 1*, pp. 71, 337-341

Topic: Computing averages