Name _____ Date _____

Matrices to Represent Data - Independent Practice Worksheet

1. The table given below shows the population of California, Alaska, and Alabama. Express these data as a matrix.

No. of people	California	Alaska	Alabama
Poor	200	270	320
Rich	420	750	610

2. The table shows the number of people that receive an allowance and those that do not. The data shows two areas of the town. Show these data as a matrix.

Area of Town	Allowance received	Allowance not received
Area X	76	55
Area Y	89	72

3. The table shows data from two areas of the city. We recorded the number of people who do and do not pay income tax. Write a matrix to represent these data.

City	Paying Income Tax	Not paying Income Tax
Area A	65	45
Area B	84	65

4. The table shows the number male and females that play football. Express these data as a matrix.

Gender	Playing football	Not playing football
Male	82	75
Female	53	68

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5. The table shows the number MBA students who passed the big test. We look at both 1st and 2nd year students. Write these data as a matrix.

Student	Pass	Fail
MBA 1st	35	65
MBA 2nd	75	25

6. The table shows the number of people from two different parts of the city. The poll examined the number of people that drink soda pop versus those that don't drink soda pop. Express these data as a matrix.

City	Drink Soda	Don't Drink Soda
Area A	40	60
Area B	70	30

7. Write a matrix to express how many people purchased an LED T.V. and an LCD T.V. in New York and California. The raw data are provided for you below.

City	LED T.V.	LCD T.V.
New York	85	75
California	32	45

8. The given table shows the data from the states of Delaware and Florida. A poll of the number Chinese and Italian restaurants was taken. Write a matrix of the data.

City	Chinese	Italian
Delaware	76	58
Florida	92	85

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9. The table displays the number of students working toward two different types of medical certification (C.A. and C.S). The data were taken from two different parts of the city. Display the data as a matrix.

City	C.A.	C.S.
Area X	22	32
Area Y	11	22

10. The table displays the number of students that passed the math and history exams in grade 1 and 2. Write a matrix to express these data.

Class	Math	History
Grade 1	42	56
Grade 2	32	45