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Answers

Problems and Answers. Solve the problem #1

In a survey, 552 botanists and chemists indicated their major professional activity. The results are summarized in the table. If one of the scientists is selected at random. What is the probability that the selected scientist is a botanists whose indicated professional activity is teaching?

	Teaching	Research
botanists	118	117
chemists	138	179

Solve the problem #2

In a survey, 564 meteorologists and linguists indicated their major professional activity. The results are summarized in the table. If one of the scientists is selected at random. What is the probability that the selected scientist is a meteorologists whose indicated professional activity is research?

	Teaching	Research
meteorologists	135	135
linguists	145	149

Solve the problem #3

In a survey, 240 mathematicians and engineers indicated their major professional activity. The results are summarized in the table. If one of the scientists is selected at random. What is the probability that the selected scientist is a engineers whose indicated professional activity is teaching?

	Teaching	Research
mathematicians	51	52
engineers	51	86

Solve the problem #4

In a survey, 480 economists and sociologists indicated their major professional activity. The results are summarized in the table. If one of the scientists is selected at random. What is the probability that the selected scientist is a sociologists whose indicated professional activity is research?

	Teaching	Research
economists	101	125
sociologists	123	131

Solve the problem #5

In a survey, 624 physicists and geographers indicated their major professional activity. The results are summarized in the table. If one of the scientists is selected at random. What is the probability that the selected scientist is a physicists whose indicated professional activity is teaching?

	Teaching	Research
physicists	125	126
geographers	164	209

Solve the problem #6

In a survey, 588 veterinarians and zoologists indicated their major professional activity. The results are summarized in the table. If one of the scientists is selected at random. What is the probability that the selected scientist is a veterinarians whose indicated professional activity is research?

	Teaching	Research
veterinarians	127	132
zoologists	111	218

Solve the problem #7

In a survey, 444 botanists and physicists indicated their major professional activity. The results are summarized in the table. If one of the scientists is selected at random. What is the probability that the selected scientist is a physicists whose indicated professional activity is teaching?

	Teaching	Research
botanists	91	99
physicists	96	158



Problems and Answers.

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| Teaching | Research

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