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Problems and Answers. **Answers**

Solve the problem #1

In a survey, 336 psychologists and veterinarians 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 psychologists whose indicated professional activity is teaching?

	Teaching	Research
psychologists	69	89
veterinarians	66	112

Solve the problem #2

In a survey, 228 physicists 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 physicists whose indicated professional activity is research?

	Teaching	Research
physicists	50	56
chemists	40	82

Solve the problem #3

In a survey, 252 oceanologists and geologists 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 geologists whose indicated professional activity is teaching?

	Teaching	Research
oceanologists	51	61
geologists	64	76

Solve the problem #4

In a survey, 624 oceanologists 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 linguists whose indicated professional activity is research?

	Teaching	Research
oceanologists	126	135
linguists	169	194

Solve the problem #5

In a survey, 684 chemists and oceanologists 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 chemists whose indicated professional activity is teaching?

	Teaching	Research
chemists	139	170
oceanologists	144	231

Solve the problem #6

In a survey, 480 veterinarians and statisticians 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	102	98
statisticians	140	140

Solve the problem #7

In a survey, 564 veterinarians 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
veterinarians	131	143
physicists	102	188

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Problems and Answers.

Answers

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23/112

Solve the problem #2

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	Teaching	Research
physicists	50	56
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14/57

Solve the problem #3

In a survey, 252 oceanologists and geologists 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 geologists whose indicated professional activity is teaching?

	Teaching	Research
oceanologists	51	61
geologists	64	76

16/63

Solve the problem #4

In a survey, 624 oceanologists 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 linguists whose indicated professional activity is research?

	Teaching	Research
oceanologists	126	135
linguists	169	194

97/312

Solve the problem #5

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	Teaching	Research
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139/684

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	Teaching	Research
veterinarians	102	98
statisticians	140	140

49/240

Solve the problem #7

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physicists	102	188

17/94