

Problems and Answers.
Solve the problem #1

In a survey, 408 philologists 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 philologists whose indicated professional activity is teaching?

	Teaching	Research
philologists	98	82
zoologists	86	142

Solve the problem #2

In a survey, 216 zoologists and mathematicians 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 zoologists whose indicated professional activity is research?

	Teaching	Research
zoologists	46	56
mathematicians	46	68

Solve the problem #3

In a survey, 408 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	97	94
physicists	81	136

Solve the problem #4

In a survey, 684 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 statisticians whose indicated professional activity is research?

	Teaching	Research
veterinarians	155	133
statisticians	168	228

Solve the problem #5

In a survey, 528 geographers 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 geographers whose indicated professional activity is teaching?

	Teaching	Research
geographers	126	102
chemists	143	157

Solve the problem #6

In a survey, 396 chemists and ecologists 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 research?

	Teaching	Research
chemists	99	84
ecologists	93	120

Solve the problem #7

In a survey, 324 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 linguists whose indicated professional activity is teaching?

	Teaching	Research
meteorologists	68	84
linguists	78	94

Problems and Answers.

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Answers

49/204

Solve the problem #2

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	Teaching	Research
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7/27

Solve the problem #3

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	Teaching	Research
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27/136

Solve the problem #4

In a survey, 684 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 statisticians whose indicated professional activity is research?

	Teaching	Research
veterinarians	155	133
statisticians	168	228

1/3

Solve the problem #5

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	Teaching	Research
geographers	126	102
chemists	143	157

21/88

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7/33

Solve the problem #7

In a survey, 324 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 linguists whose indicated professional activity is teaching?

	Teaching	Research
meteorologists	68	84
linguists	78	94

13/54