

<u>Course</u> > <u>Module 2 : Basic Pr</u>... > <u>Module 2 Quiz</u> > Module 2 Quiz

# Module 2 Quiz

# Adapt 70

1/1 point (graded)

You have a group of 12 products. You know that 3 are defective. If you select one product, what is the probability that you will select a defective product?

● 1/4	
0 1/3	
0 1/2	
0 3/4	
Submit	You have used 1 of 1 attempt

✓ Correct (1/1 point)
Adapt 78
1/1 point (graded) You have a standard deck of 52 cards (i.e., 4 aces, 4 twos, 4 threes,, 4 tens, 4 jacks, 4 queens, and 4 kings) that contains 4 suits (hearts, clubs, spades, and diamonds). We draw one card from the deck. What is the probability that the card is NEITHEL a face card (jack, king, or queen) NOR a heart?
© 27/52
<ul><li>● 30/52 </li></ul>
© 37/52
O 40/52
Submit You have used 1 of 1 attempt
✓ Correct (1/1 point)

# Adapt 87

1/1 point (graded)

You have a standard deck of 52 cards (i.e., 4 aces, 4 twos, 4 threes, ..., 4 tens, 4 jacks, 4 queens, and 4 kings) that contains 4 suits (hearts, clubs, spades, and diamonds). We draw one card from the deck. What is the probability that the card is an ace or a heart?

O 12/52		
O 15/52		
<ul><li>● 16/52 </li></ul>		
O 18/52		
Submit You have used 1 of 1 attempt		
✓ Correct (1/1 point)		

#### Adapt 92

1/1 point (graded)

You have a group of 12 products. You know that 3 are defective. If 3 are drawn at random without replacement, what is the probability that none of them are defective?

□ .25

- 0 .33
- .38
- 0 .42

Submit

You have used 1 of 1 attempt

✓ Correct (1/1 point)

#### Adapt 110

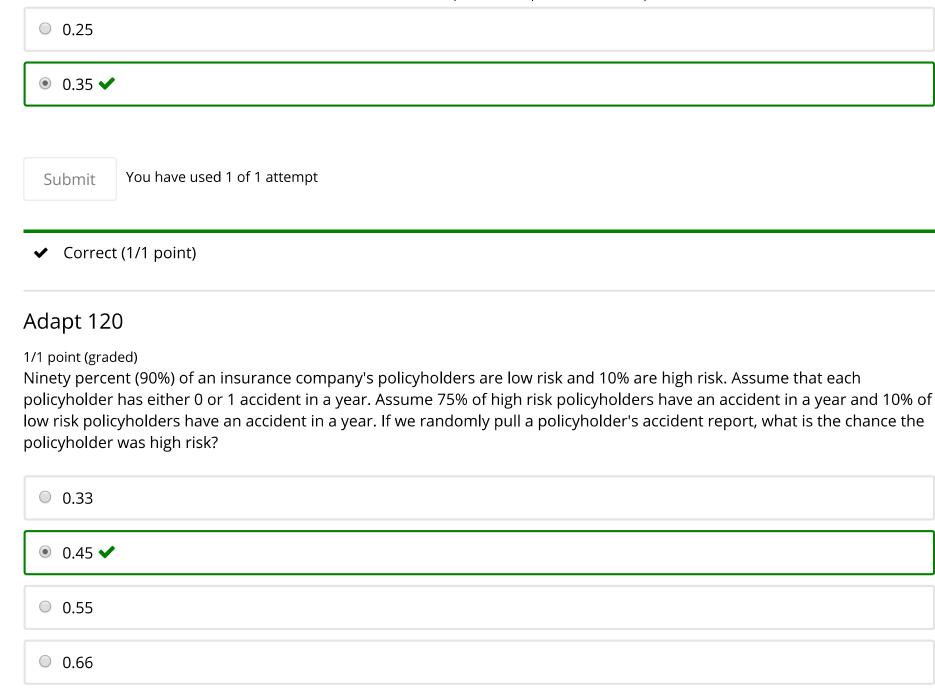
0/1 point (graded)

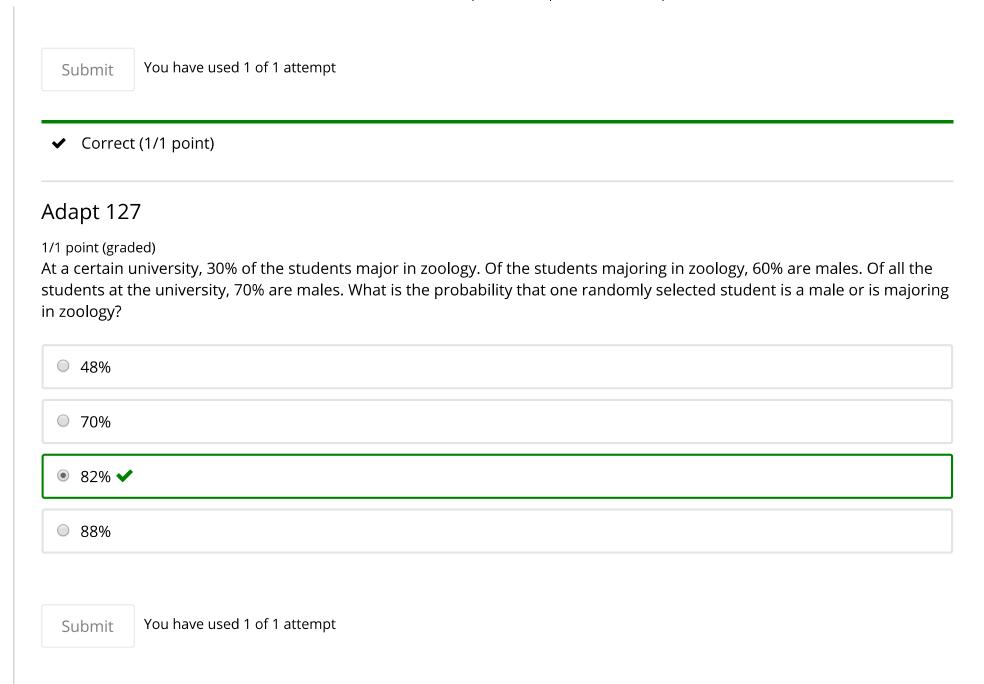
Four employees who work as drive-through attendees at a local fast food restaurant are being evaluated as a part of quality improvement initiative; these workers were observed over three days. One of the statistics collected is the proportion of time employee remembers to include a coupon for the next purchase in the bag (as above).

Worker	% of Meals Bagged	% Remembered Coupon
Pat	25%	94%
Taylor	20%	98%
Sinead	20%	90%
Samir	35%	96%

What is the probability that on a randomly chosen visit Pat bagged your meal and forgot to include a coupon?

0 .004	
0 .014	
0 .015	
<ul><li>● .020 X</li></ul>	
Submit You ha	ooint)
	of all MBAs received an A in operations, and 45% received an A in statistics. Twenty percent (20%) of all
MBAs received an A classes?	in both classes. What is the probability that a randomly chosen MBA did not get an A in either of these
0.15	
0.20	





✓ Correct (1/1 point)
Adapt 136
0/1 point (graded) Given the standard deck of cards, what is the probability of drawing a red card, given that it is a face card?
O 4/52
© 26/52
Submit You have used 1 of 1 attempt
➤ Incorrect (0/1 point)

## Adapt 140

0/1 point (graded)

Four employees who work as drive-through attendees at a local fast food restaurant are being evaluated as a part of quality improvement initiative; these workers were observed over three days. One of the statistics collected is the proportion of time employee remembers to include a coupon for the next purchase in the bag.

Worker	% of Meals Bagged	% Remembered Coupon
Pat	25%	94%
Taylor	20%	98%
Sinead	20%	90%
Samir	35%	96%

You receive your meal, but it does not contain the coupon. What is the probability that Samir bagged your meal?

O 4.0%

O 26.4%

O 35.5%

Submit You have used 1 of 1 attempt

★ Incorrect (0/1 point)

## Adapt 146

1/1 point (graded)

An urn contains three white balls and three black balls. Let B1=Event that the first ball is black, and B2=Event that the second ball is black. If a ball is drawn but not replaced, then P(B2|B1)=

0 1/4		
0 1/2		
0 1/3		
<ul><li>● 2/5 ✔</li></ul>		
Submit	You have used 1 of 1 attempt	
✓ Correct (1/1 point)		

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