Add, modify, and remove questions. Select a question type from the Add Question drop-down list and click Go to add questions. Use Creation Settings to establish which default options, such as feedback and images, are available for question creation.

Add Calculated Formula

Test Bank 2 Chapter 1: Thinking Critically With Psychological Science

Description: Question pool for Test Bank 2 Chapter 1: Thinking Critically With Psychological Science

Instructions:

Question 1

Multiple Choice 0 points

After the U.S. occupation of Iraq led to a civil war rather than a peaceful democracy, some commentators perceived the result as inevitable. This perception best illustrates:

Answer:
- the placebo effect.
- the illusion of the standard deviation.
- the double-blind procedure.
- hindsight bias.
- illusory correlation.

Question 2

Multiple Choice 0 points

Hindsight bias most directly contributes to the perception that psychological theories and observations are merely common sense.

Answer:
- psychological theories are simply reflections of researchers' personal values.
- psychological theories and observations are merely common sense.
- psychological theories are simplified versions of reality.
- psychology is potentially dangerous.

Question 3

Multiple Choice 0 points

Hindsight bias leads people to perceive research findings as unsurprising.

Answer:
- unpredictable.
- inexplicable.
- unreplicable.
- unsurprising.

Question 4

Multiple Choice 0 points

Alexandra is told that research supports the value of cosmetic surgery for boosting self-esteem. Belinda is told that the esteem-enhancing value of cosmetic surgery has been refuted by research. Both women consider the research findings to be common sense. This best illustrates the power of:

Answer:
- the placebo effect.
- hindsight bias.
- the illusion of the standard deviation.
- the double-blind procedure.

Question 5

Multiple Choice 0 points

According to Emily's grandfather, Adolf Hitler's obvious emotional instability made it clear from the beginning days of his international conflicts that Germany would inevitably lose World War II. The grandfather's claim best illustrates:

Answer:
- hindsight bias.
- illusory correlation.
- naturalistic observation.
- random sampling.

Question 6

Multiple Choice 0 points

Dr. Donelian wants to reduce his students' perception that psychological experiments merely document the obvious. His best strategy would be to ask the students to:

Answer:
- describe how experimental hypotheses were derived from basic psychological principles.
- predict the outcomes of experiments before they are told the actual results.
- explain the outcomes of experiments after they are told the actual results.
- personally engage in naturalistic observation.

Question 7

Multiple Choice 0 points

When provided with the unscrambled solutions to anagrams, people underestimate the difficulty of solving the anagrams. This best illustrates:

Answer:
As students prepare for a test, they often believe that they understand the course material better than they actually do. This best illustrates

- overconfidence.
- illusory correlation.
- wording effects.

Answer: overconfidence.

Thinking that she had outperformed most of her classmates, Glenda was surprised to receive just an average grade on her psychology test. Glenda’s experience best illustrates

- overconfidence.
- hindsight bias.
- the placebo effect.
- negative correlation.

After predicting world events, such as whether Quebec would separate from Canada, experts maintained that they were “almost right.” This attitude is an example of

- overconfidence.
- scatterplots.
- random assignment.
- the double-blind procedure.

Which of the following is most likely to inhibit critical thinking?

- operational definitions
- overconfidence
- random assignment
- the double-blind procedure

Psychologists attempt to let the facts speak for themselves by using an approach that is best described as

- empirical.
- correlational.
- operational.
- naturalistic.

As scientists, psychologists adopt an attitude of skepticism because they believe that

- people are unlikely to reveal what they are really thinking.
- most commonsense ideas about human behavior are wrong.
- claims about human behavior need to be supported with evidence.
- events never occur randomly.

When psychologists insist that “the rat is always right,” they are emphasizing the scientific attitude of

- humility.
- respect for animals.
- ecological sensitivity.
- enthusiasm for animal research studies.

Critical thinkers can best be described as

- questioning.
- cynical.
pessimistic.
impatient.

Question 16
Multiple Choice 0 points
Question
Professor O’Brian has used correlational evidence to reach a potentially incorrect conclusion about a cause-effect relationship. Questioning the validity of drawing this conclusion from the evidence best illustrates
Answer
✓ critical thinking.
the placebo effect.
naturalistic observation.
the double-blind procedure.

Question 17
Multiple Choice 0 points
Question
An explanation using an integrated set of principles that organizes observations and predicts behaviors or events is called a(n)
Answer
✓ hypothesis.
theory.
scatterplot.

Question 18
Multiple Choice 0 points
Question
According to Professor Fayad, we like people who like us because their affection for us boosts our own self-esteem. His idea is an example of
Answer
✓ illusory correlation.
hindsight bias.
replication.
a theory.

Question 19
Multiple Choice 0 points
Question
Hypotheses are best described as
Answer
✓ predictions.
replications.
explanations.
assumptions.

Question 20
Multiple Choice 0 points
Question
A statement describing how a researcher manipulates an independent variable is known as a(n)
Answer
✓ operational definition.
repetition.
control condition.
hypothesis.

Question 21
Multiple Choice 0 points
Question
In reporting the effect of drinking alcohol on self-consciousness, psychological researchers would specify exactly how they measured self-consciousness. They are thereby providing a(n)
Answer
✓ experimental hypothesis.
case study.
double-blind procedure.
operational definition.

Question 22
Multiple Choice 0 points
Question
Operational definitions are most likely to facilitate
Answer
✓ replication.
ilusory correlation.
hindsight bias.
the placebo effect.

Question 23
Multiple Choice 0 points
Question
Replication involves
Answer
the selection of random samples.
perceiving order in random events.
✓ repeating an earlier research study.
rejecting ideas that cannot be scientifically tested.
Question 24 | Multiple Choice 0 points
---
Question
To verify the reliability of a new scientific finding, psychological researchers are most likely to engage in
Answer
- naturalistic observation.
- random sampling.
- replication.
- positive correlation.

Question 25 | Multiple Choice 0 points
---
Question
Professor Bolden claims that his experimental research demonstrates that eating an apple every day improves children’s reading skills. How might he best offer further support for the reliability of this finding?
Answer
- replication
- naturalistic observation
- case studies
- correlational research

Question 26 | Multiple Choice 0 points
---
Question
To better understand how brain malfunctions influence behavior, Dr. Mosher extensively and carefully observes and questions two stroke victims. Which research method is Dr. Mosher using?
Answer
- random sampling
- the survey
- the case study
- experimentation

Question 27 | Multiple Choice 0 points
---
Question
Jean Piaget developed his ideas about children's thinking after carefully observing and questioning only a few children. Which research method did he use?
Answer
- the survey
- the double-blind procedure
- the case study
- experimentation

Question 28 | Multiple Choice 0 points
---
Question
Those who rely on the case-study method need to be especially alert to the dangers of
Answer
- hindsight bias.
- replication.
- random assignment.
- false generalization.

Question 29 | Multiple Choice 0 points
---
Question
After carefully studying how three single parents dealt with the loss of their jobs, Dr. Phong began to overestimate the national rate of unemployment. In this instance, Dr. Phong should be warned that ________ may be misleading.
Answer
- surveys
- case studies
- dependent variables
- random samples

Question 30 | Multiple Choice 0 points
---
Question
The survey is a research method in which
Answer
- individuals are carefully observed in their natural environments.
- a representative, random sample of individuals are questioned regarding their attitudes or behaviors.
- an individual is studied in great depth.
- an investigator determines the extent to which two variables influence each other.

Question 31 | Multiple Choice 0 points
---
Question
Which of the following techniques would be the most effective way of investigating the relationship between the political attitudes and the economic status of North Americans?
Answer
- the survey
- naturalistic observation
- experimentation
- the case study
Question 32

**Question**
A majority of respondents in a national survey agreed that "classroom prayer should not be allowed in public schools." Only 33 percent of respondents in a similar survey agreed that "classroom prayer in public schools should be banned." These differing findings best illustrate the importance of

**Answer**
- hindsight bias.
- the placebo effect.
- random assignment.
- wording effects.

Add Question Here

Question 33

**Question**
Researchers observe random samples because they are likely to be

**Answer**
- vivid.
- homogeneous.
- representative.
- statistically significant.

Add Question Here

Question 34

**Question**
The children in Mrs. Shashoua's neighborhood make fun of her limp. She concludes that today's kids are typically cruel and insensitive. Mrs. Shashoua ought to remind herself that reasonable generalizations depend on

**Answer**
- observing representative samples.
- recognizing that others may not share our opinions.
- confusing correlation with causation.
- realizing that random events may not look random.

Add Question Here

Question 35

**Question**
Mrs. Blair concludes that boys do not read as well as girls because most of the students in her remedial reading classes are boys. Mrs. Blair's conclusion best illustrates the danger of

**Answer**
- generalizing from select cases.
- confusing correlation with causation.

Add Question Here

Question 36

**Question**
The whole group from which samples may be drawn is called a(n)

**Answer**
- control condition.
- population.
- case study.
- independent variable.

Add Question Here

Question 37

**Question**
To learn about the political attitudes of all students enrolled at Arizona State University, Professor Marlow randomly selected 800 of these students to complete a questionnaire. In this instance, all the students enrolled at Arizona State University are considered to be a(n)

**Answer**
- independent variable.
- representative sample.
- control condition.
- population.

Add Question Here

Question 38

**Question**
A random sample of a large group of people is one in which

**Answer**
- the number of people included in the sample is determined by chance.
- every person in the large group has an equal chance of being included in the sample.
- personality differences among those in the sample are practically nonexistent.
- all of these situations are true.

Add Question Here

Question 39

**Question**
Which procedure helps to ensure that the participants in a survey are representative of a larger population?

**Answer**
- random assignment
- replication
- naturalistic observation
- random sampling

Add Question Here
Question 40

**Question**
Web site polls and call-in phone surveys often yield unrepresentative results because they fail to use

**Answer**
- operational definitions.
- random sampling.
- scatterplots.
- double-blind procedures.

Question 41

**Question**
To describe the behavior of animals in their native habitats, researchers are most likely to make use of

**Answer**
- operational definitions.
- random sampling.
- scatterplots.
- double-blind procedures.

Question 42

**Question**
To study the development of relationships, Dr. Rajiv carefully observed and recorded patterns of verbal and nonverbal behaviors among men and women in singles bars. Which research method did Dr. Rajiv employ?

**Answer**
- naturalistic observation
- the survey
- the case study
- experimentation

Question 43

**Question**
Naturalistic observation is most useful for

**Answer**
- describing behaviors.
- predicting attitudes.
- explaining complex emotions.
- detecting cause-effect relationships.

Question 44

**Question**
Which research method would be most effective for identifying the mating rituals of North American deer?

**Answer**
- naturalistic observation
- experimentation
- the double-blind procedure

Question 45

**Question**
Researchers make no effort to manipulate or control variables when they engage in

**Answer**
- naturalistic observation.
- the double-blind procedure.
- replication.
- experimentation.

Question 46

**Question**
Which of the following statistical measures is most helpful for indicating the extent to which high school grades predict college or university grades?

**Answer**
- standard deviation
- median
- correlation coefficient
- range

Question 47

**Question**
A correlation coefficient is a statistical measure of the

**Answer**
- difference between the highest and lowest scores in a distribution.
- extent to which two factors vary together.
- statistical significance of a difference between two sample means.
- frequency of scores at each level of some measure.

Question 48

**Question**
To assess the extent to which mortality rates increase as people age, researchers would most likely make use of
Question 49
Multiple Choice 0 points
Question
A scatterplot graphically depicts the
Answer
standard deviation of a distribution of scores.

arithmetic average of a distribution of scores.
total population from which samples may be drawn.

degree of relationship between two variables.

Question 50
Multiple Choice 0 points
Question
If the points on a scatterplot are clustered in a pattern that extends from lower left to upper right, this would suggest that the two
variables depicted are
Answer
normally distributed.

positively correlated.

negatively correlated.

not correlated.

Question 51
Multiple Choice 0 points
Question
A researcher would be most likely to discover a negative correlation between
Answer
body height and body weight.

self-esteem and depression.

education and personal wealth.

intelligence and academic success.

Question 52
Multiple Choice 0 points
Question
If university graduates typically earn more money than high school graduates, this would indicate that level of education and income are
Answer
positively correlated.

independent variables.

dependent variables.

negatively correlated.

Question 53
Multiple Choice 0 points
Question
A correlation coefficient can range in value from
Answer
0 to 100.

0 to 1.00.

1 to 99.

-1.00 to +1.00.

Question 54
Multiple Choice 0 points
Question
Which of the following correlations between annual income and education level would best enable you to predict annual income on the basis of level of education?
Answer
+0.05

-0.01

+0.10

+0.50

Question 55
Multiple Choice 0 points
Question
Which of the following correlations expresses the strongest degree of relationship between two variables?
Answer
+0.10

-0.67

-0.10

+0.59

Question 56
Multiple Choice 0 points
Question
A correlation between levels of impulsiveness and annual income of -0.75 would indicate that
Answer
lower levels of impulsiveness are associated with lower levels of annual income.

higher levels of annual income are associated with lower levels of impulsiveness.

it is impossible to predict annual income levels form knowledge of impulsiveness levels.
impulsiveness has no causal influence on annual income.

**Question 57**
**Multiple Choice**

**Question**
If those with low self-esteem are also particularly likely to suffer from depression, this would not necessarily indicate that low self-esteem triggers negative emotions because

**Answer**
- sampling extreme cases leads to false generalizations.
- events often seem more probable in hindsight.
- correlation does not prove causation.
- random sequences often don’t look random.

**Question 58**
**Multiple Choice**

**Question**
Following the scientific discovery that a specific brain structure is significantly larger in violent individuals than in those who are nonviolent, a news headline announced: “Enlarged Brain Structure Triggers Violent Acts.” The headline writer should most clearly be warned about the dangers of

**Answer**
- perceiving illusory correlations.
- explaining events in hindsight.
- confusing association with causation.
- generalizing from unrepresentative samples.

**Question 59**
**Multiple Choice**

**Question**
If psychologists discovered that people who live at the poverty level have more aggressive children than do wealthy people, this would clearly indicate that

**Answer**
- poverty has a negative influence on children’s behavior.
- the factors that lead to poverty also cause aggressive behavior.
- people’s economic status and the aggressiveness of their children are negatively correlated.
- all of these statements are correct.

**Question 60**
**Multiple Choice**

**Question**
A positive correlation between self-esteem and academic success would indicate that

**Answer**
- a positive self-concept contributes to academic success.
- academic success contributes to a favorable self-image.
- those with high self-esteem are more academically successful than those with low self-esteem.
- all of these statements are correct.

**Question 61**
**Multiple Choice**

**Question**
The perception of a relationship between two variables where none exists is called

**Answer**
- hindsight bias.
- the placebo effect.
- an illusion of control.
- illusory correlation.

**Question 62**
**Multiple Choice**

**Question**
The belief that weather conditions signal the onset of arthritis pain best illustrates

**Answer**
- an illusory correlation.
- an illusion of control.
- hindsight bias.
- random sampling.

**Question 63**
**Multiple Choice**

**Question**
Suppose two highly unusual events occur one immediately after the other. This event is most likely to contribute to

**Answer**
- random sampling.
- hindsight bias.
- the placebo effect.
- an illusory correlation.

**Question 64**
**Multiple Choice**

**Question**
Because she had a serious traffic accident on Friday the 13th of last month, Felicia is convinced that all Friday the 13ths will bring bad luck. Felicia’s belief best illustrates

**Answer**
- the illusion of control.
- an illusory correlation.
- hindsight bias.
the placebo effect.

**Question 65**  
**Multiple Choice**  
**0 points**

**Question**  
If someone were to flip a coin six times, which of the following sequences of heads (H) and tails (T) would be most likely?

**Answer**

- H H T T T
- H T T H T
- H H H H H

✓ All of these sequences would be equally likely.

**Question 66**  
**Multiple Choice**  
**0 points**

**Question**  
Daniel and Donald are identical twins who were separated at birth and raised in different countries. When they were finally reunited for the first time as adults, the men were amazed to discover that they were both plumbers, both avid tennis players, and both addicted to chocolates. The men would be best advised to recognize the danger of

**Answer**

- randomly sampling their life experiences.
- attributing these three similarities to chance.
- perceiving order in random events.
- assuming that most people share their attitudes and interests.

**Question 67**  
**Multiple Choice**  
**0 points**

**Question**  
The King James Version of the Bible was completed when William Shakespeare was 46 years old. In Psalm 46 of this translation, the forty-sixth word is "shake," and the forty-sixth word from the end is "spear." Before concluding that the biblical translators were trying to be humorous with these specific word placements, you would be best advised to recognize the danger of

**Answer**

- randomly sampling biblical passages.
- generalizing from extreme examples.
- assuming that most people share your opinions.
- perceiving order in coincidental events.

**Question 68**  
**Multiple Choice**  
**0 points**

**Question**  
The fact that the same individual won the New Jersey lottery on two separate occasions best illustrates

**Answer**

- a random outcome.
- the double-blind procedure.
- the placebo effect.
- an illusory correlation.

**Question 69**  
**Multiple Choice**  
**0 points**

**Question**  
Incorrectly interpreting correlation as evidence of causation is best avoided by making use of

**Answer**

- experiments.
- survey research.
- case studies.
- naturalistic observation.

**Question 70**  
**Multiple Choice**  
**0 points**

**Question**  
A research method in which an investigator manipulates factors that potentially produce a particular behavior is called a(n)

**Answer**

- survey.
- experiment.
- case study.
- correlation.

**Question 71**  
**Multiple Choice**  
**0 points**

**Question**  
Which research method do investigators use to exercise maximum control over the factors they are interested in studying?

**Answer**

- case study
- correlation
- experiment
- survey

**Question 72**  
**Multiple Choice**  
**0 points**

**Question**  
Which of the following research methods would most effectively demonstrate that watching TV violence causes children to act aggressively?

**Answer**

- experiment
- naturalistic observation
- survey
Question 73  Multiple Choice  0 points

Question
Experimentation is more useful than correlational research for testing the claim that
Answer
children who view a great deal of television violence are also likely to be unusually aggressive.
people who exercise frequently are less likely to suffer from depression than infrequent exercisers.
people's friendliness and feelings of happiness are increased by the consumption of alcohol.
people who consume excessive amounts of coffee experience higher-than-normal levels of anxiety.

Question 74  Multiple Choice  0 points

Question
Unlike correlational studies, experiments involve
Answer
randomly selecting participants.
manipulating the factors of interest.
studying observable behaviors.
replication of previous research.

Question 75  Multiple Choice  0 points

Question
The experiment is a research method in which
Answer
a random sample of individuals are questioned regarding their opinions and behaviors.
individuals are carefully observed in their natural environment.
an investigator manipulates one or more variables that might affect behavior.
an individual is studied in great depth.

Question 76  Multiple Choice  0 points

Question
The most accurate way of assessing the impact of hormone replacement therapy on women's health is by means of
Answer
case studies.
experiments.
correlational measurement.
naturalistic observations.

Question 77  Multiple Choice  0 points

Question
Random assignment is most likely to be used in ________ research.
Answer
survey.
case study.
correlational.
experimental.

Question 78  Multiple Choice  0 points

Question
Which technique most clearly minimizes the likelihood that any outcome differences between the experimental and control groups can be attributed to age or personality differences in research participants?
Answer
replication.
random assignment.
operational definitions.
the double-blind procedure.

Question 79  Multiple Choice  0 points

Question
To minimize any preexisting differences between participants who are in different conditions of an experiment, psychologists make use of
Answer
random assignment.
replication.
random sampling.
correlation.

Question 80  Multiple Choice  0 points

Question
Researchers studying the effects of noise on worker productivity have one group work in a noisy room and a second group work in a quiet room. To ensure that any differences in the two groups' productivity actually result from the different noise levels to which the groups are exposed, the researchers would use
Answer
the case study.
correlational measurement.
naturalistic observation.
random assignment.
Question 81  Multiple Choice  0 points

Question
Random sampling is to ________ as random assignment is to ________.

Answer
correlational studies; case studies
✓ surveys; experiments
replication; correlation
description; prediction

Question 82  Multiple Choice  0 points

Question
In a drug-treatment study, participants given a pill containing no actual drug are receiving a

Answer
random sample.
double-blind.
replication.
✓ placebo.

Question 83  Multiple Choice  0 points

Question
To minimize the extent to which placebo effects contribute to outcome differences between experimental and control groups in a drug-treatment study, researchers are likely to make use of

Answer
random sampling.
replication.
operational definitions.
✓ the double-blind procedure.

Question 84  Multiple Choice  0 points

Question
The double-blind procedure is most likely to be used in ________ research.

Answer
survey
case study
correlational
✓ experimental

Question 85  Multiple Choice  0 points

Question
Abdul has volunteered to participate in an experiment evaluating the effectiveness of aspirin. Neither he nor the experimenters know whether the pills he takes during the experiment contain aspirin or are merely placebos. The investigators are apparently making use of

Answer
naturalistic observation.
illusionary correlation.
✓ the double-blind procedure.
random sampling.

Question 86  Multiple Choice  0 points

Question
The healing power of positive expectations is best illustrated by

Answer
overconfidence.
illusionary correlation.
✓ the placebo effect.
hindsight bias.

Question 87  Multiple Choice  0 points

Question
In an experiment designed to study the effectiveness of a new drug for treating diabetes, research participants who receive a placebo have been assigned to the ________ group.

Answer
dependent variable
correlational
experimental
✓ control

Question 88  Multiple Choice  0 points

Question
To provide a baseline against which they can evaluate the effects of a specific treatment, experimenters make use of a(n)

Answer
dependent variable.
independent variable.
✓ control group.
experimental group.

Question 89  Multiple Choice  0 points

Question
...
Question
Research participants drank either caffeinated or decaffeinated beverages in a study of the effects of caffeine on anxiety levels. Those who received the caffeinated drinks were assigned to the ________ group.

Answer

✓ experimental
correlational
control

Question
To assess the effectiveness of flu vaccine for county residents, Mr. Carlson wants to administer vaccine injections to all county residents rather than give half of them a placebo injection. Mr. Carlson is most clearly underestimating the importance of ________

Answer

✓ testing a large sample.
operationally defining his procedures.
replicating observations of other researchers.
creating a control group.

Question
In a test of the effects of cigarette smoking on physical health and development, groups of monkeys were raised in either a smoke-free or smoke-infested environment. Monkeys in the smoke-infested environment were assigned to the ________ group.

Answer
correlational
survey
control
✓ experimental

Question
In a psychological experiment, researchers are interested in studying the potential effects of the ________ variable.

Answer

✓ dependent
control
random

Question
Knowing the difference between an experimental group and a control group is most relevant to understanding the nature of ________

Answer

✓ random sampling.
replication.
hindsight bias.
independent variables.

Question
To study some effects of alcohol consumption, Dr. Chu tested the physical coordination skills of 21-year-old men who had just drunk either 4, 2, or 0 ounces of alcohol. In this study, the independent variable consisted of ________

Answer

✓ the age of the research participants.
the physical coordination skills of the research participants.
the amount of alcohol consumed.
the effects of alcohol consumption.

Question
The dependent variable in an experiment is the factor ________

Answer

✓ that is directly manipulated by the investigator.
that may be influenced by the experimental treatment.
whose effect is being studied.
that causes the behavior being studied.

Question
In an experimental study of the extent to which sexual arousal is stimulated by laughter, sexual arousal would be the ________

Answer

✓ control condition.
experimental condition.
independent variable.
dependent variable.
Question 98  Multiple Choice  0 points
Question Measures of central tendency are most useful for
Answer  ✓  random sampling.
         ✓  summarizing data.
         ✓  constructing scatterplots.

Question 99  Multiple Choice  0 points
Question The mode, median, and mean are measures of
Answer  ✓  central tendency.
         ✓  variation.
         ✓  correlation.
         ✓  statistical significance.

Question 100  Multiple Choice  0 points
Question The mode of a distribution of scores is the
Answer  ✓  most frequently occurring score.
         ✓  arithmetic average of all the scores.
         ✓  difference between the highest and lowest scores.

Question 101  Multiple Choice  0 points
Question Six different students spent $10, $13, $2, $12, $13, and $4, respectively, on entertainment. The mode of this group's entertainment expenditures is
Answer  ✓  $13.
        $9.
        $11.
        $12.

Question 102  Multiple Choice  0 points
Question The arithmetic average of a distribution of scores is the
Answer  ✓  mean.
        mode.
        median.
        standard deviation.

Question 103  Multiple Choice  0 points
Question The most commonly reported measure of central tendency is the
Answer  ✓  mean.
        mode.
        median.
        standard deviation.

Question 104  Multiple Choice  0 points
Question During the past month, Henri and Sylvia each ate 10 candy bars, while Jerry ate 6, Tricia ate 6, and Tahli ate only 1. The mean number of candy bars eaten by these individuals was
Answer  ✓  7.
        5.
        8.
        10.

Question 105  Multiple Choice  0 points
Question In any distribution of scores, an equal number of scores are both greater than and less than
Answer  ✓  the median.
        the mode.
        the mean.
any of these measures of central tendency.

Question 106
- **Multiple Choice**
  - **Question**
    Mr. and Mrs. Berry have five children aged 2, 3, 7, 9, and 9. The median age of the Berry children is
  - **Answer**
    - 6.
    - 7.
    - 8.
    - 9.

Question 107
- **Multiple Choice**
  - **Question**
    Seven members of a girls’ club reported the following individual earnings from their sale of raffle tickets: $5, $9, $4, $11, $6, $4, and $3. In this distribution of individual earnings, the median is greater than the mean and greater than the mode. median is less than the mean and less than the mode. median is greater than the mean and less than the mode. median is less than the mean and greater than the mode.

Question 108
- **Multiple Choice**
  - **Question**
    Seven members of a debate club reported the following individual earnings from their sale of cakes: $7, $13, $3, $5, $2, $9, and $3. In this distribution of individual earnings, the mean is greater than the mode and greater than the median. mean is equal to the mode and less than the median. mean is greater than the mode and equal to the median. mean is less than the mode and less than the median.

Question 109
- **Multiple Choice**
  - **Question**
    In a distribution of test scores, which measure of central tendency would likely be the most affected by a couple of extremely high scores?
  - **Answer**
    - median
    - mode
    - standard deviation
    - mean

Question 110
- **Multiple Choice**
  - **Question**
    The mode, median, and mean are most likely to have different values when they describe a skewed distribution. are derived from a limited range of scores. represent the central tendency of a random sample. represent the central tendency of an entire population.

Question 111
- **Multiple Choice**
  - **Question**
    In order to understand the British newspaper headline “Income for 62% is Below Average,” a reader needs to appreciate the distinction between the ________ and the mean.
  - **Answer**
    - range
    - standard deviation
    - mode
    - median

Question 112
- **Multiple Choice**
  - **Question**
    For which of the following distributions of scores would the median most clearly be a more appropriate measure of central tendency than the mean?
  - **Answer**
    - 16, 28, 4, 8, 24
    - 9, 6, 9, 12, 9
    - 8, 9, 12, 10, 16
    - 6, 18, 4, 5, 2

Question 113
- **Multiple Choice**
  - **Question**
    Variation is to central tendency as range is to ________.
  - **Answer**
    - mode
    - bar graph
    - scatterplot
Question 114 ▼ Multiple Choice 0 points

Question
Standard deviation is to mean as ________ is to ________.

Answer
- median; mode
- variation; central tendency
- scatterplot; bar graph
- correlation; scatterplot

Question 115 ▼ Multiple Choice 0 points

Question
Which of the following provides a rough indication of the degree of variation among a set of scores?

Answer
- correlation coefficient
- scatterplot
- range
- median

Question 116 ▼ Multiple Choice 0 points

Question
The range is

Answer
- the difference between the highest and lowest scores in a distribution.
- the most commonly used measure of variation.
- the average deviation of scores from the mean.
- the most frequently occurring score in a distribution of scores.

Question 117 ▼ Multiple Choice 0 points

Question
The IQ scores of the five members of the Duluth family are 100, 82, 104, 96, and 118. For this distribution of scores, the range is

Answer
- 14.
- 36.
- 48.
- 100.

Question 118 ▼ Multiple Choice 0 points

Question
Two students in an art class are at least 20 years older than the others. Which measure of variation of class members' ages is most affected by the ages of these two students?

Answer
- standard deviation
- mode
- median
- range

Question 119 ▼ Multiple Choice 0 points

Question
The standard deviation is a measure of

Answer
- central tendency.
- variation.
- statistical significance.
- correlation.

Question 120 ▼ Multiple Choice 0 points

Question
Professor Woo noticed that the distribution of students' scores on her last biology test had an extremely small standard deviation. This indicates that the

Answer
- test was given to a very small class of students.
- test was a poor measure of the students' knowledge.
- students generally performed very well on the test.
- students' scores tended to be very similar to one another.

Question 121 ▼ Multiple Choice 0 points

Question
To calculate the numerical value of the standard deviation, you should first compute the value of the

Answer
- mean.
- mode.
- correlation coefficient.
- median.
Question 122  Multiple Choice  0 points

Question
During the season, four members of the Salem baseball team made 4, 2, 6, and 4 home runs, respectively. For this distribution of home runs, the standard deviation is equal to the square root of

Answer
✓ 2.
✓ 4.
4.
6.
8.

Add Question Here

Question 123  Multiple Choice  0 points

Question
A normal curve would be LEAST likely to characterize a large random sample of

Answer
✓ family incomes.
✓ professional baseball batting averages.

Add Question Here

Question 124  Multiple Choice  0 points

Question
On average, Caryl's school bus arrives on time, although sometimes it is a bit early or late. If the arrival times are distributed on a normal curve, which of the following statistics would enable Caryl to estimate the probability that her bus will arrive within 5 minutes of its scheduled arrival time on any given day?

Answer
✓ standard deviation
✓ mean
✓ median
✓ correlation coefficient

Add Question Here

Question 125  Multiple Choice  0 points

Question
Approximately 68 percent of the cases represented by the normal curve fall within ________ standard deviation(s) from the mean.

Answer
✓ 1
✓ 2
✓ 3
34

Add Question Here

Question 126  Multiple Choice  0 points

Question
Approximately what percentage of the cases represented by the normal curve fall between −2 and +2 standard deviations from the mean?

Answer
34
68
✓ 95
100

Add Question Here

Question 127  Multiple Choice  0 points

Question
If a set of standardized test scores is normally distributed, having a mean of 75 and a standard deviation of 6, approximately 95 percent of the scores are somewhere between

Answer
✓ 72 and 78.
✓ 75 and 87.
75 and 81.
69 and 81.
✓ 63 and 87.

Add Question Here

Question 128  Multiple Choice  0 points

Question
Statistical tests are useful for making ________ regarding differences between groups.

Answer
scatterplots
case studies
✓ inferences
surveys

Add Question Here

Question 129  Multiple Choice  0 points

Question
After his property was vandalized by a small group of teenagers, Mr. Mahmood concluded that most teenagers are irresponsible and delinquent. Mr. Mahmood ought to be reminded that accurate generalizations depend on

Answer
a realization that random events may not look random.
testing cause-effect relationships.
✓ the observation of representative samples.
the selection of samples from a skewed population.

Add Question Here
Question 130  Multiple Choice  0 points
Question
We can MOST accurately estimate the mean of a population if
Answer ✓ a sample is large in size and low in variability.
   a sample is large in size and high in variability.
   a sample is small in size and low in variability.

Question 131  Multiple Choice  0 points
Question
The average scores of two samples taken from the same population are most likely to differ if
Answer ✓ the samples are both small.
   the standard deviations of the samples are both small.
   the samples differ from each other in size.
   the sample means are both similar to the sample medians.

Question 132  Multiple Choice  0 points
Question
Faustin, a member of his school's golf team, has an opportunity to play against a nationally acclaimed professional golfer. How many
holes of golf should Faustin choose to play with the professional in order to maximize his own slim chances of winning?
Answer 9
18
27
36

Question 133  Multiple Choice  0 points
Question
If half the students at Quincy University have blue eyes, which of the following events is most probable?
Answer ✓ In a class consisting of 15 students, 80% or more have blue eyes.
   In a class consisting of 30 students, 80% or more have blue eyes.
   In a class consisting of 45 students, 80% or more have blue eyes.
   All of these answers are equally probable.

Question 134  Multiple Choice  0 points
Question
Statistical significance refers to whether research
Answer ✓ variables are causally related.
   participants were randomly assigned to conditions.
   findings are due to chance variations.
   results add support to previous findings.

Question 135  Multiple Choice  0 points
Question
A random sample of females was observed to exhibit a lower average level of self-esteem than a random sample of males. To assess
the likelihood that this observed difference reflects a real difference in the average self-esteem of the total population of males and
females, you should
Answer ✓ construct a scatterplot.
   calculate a correlation coefficient.
   plot the distribution of self-esteem levels among all males and females.
   conduct a test of statistical significance.

Question 136  Multiple Choice  0 points
Question
An observed difference between two sample groups is more likely to be statistically significant if
Answer ✓ the observed difference is small.
   the sample groups are small.
   the standard deviations of the sample groups are small.
   both samples are drawn from the same population.

Question 137  Multiple Choice  0 points
Question
Psychology experiments are typically designed to
Answer ✓ test principles that help explain behavior.
   observe behaviors that are unobservable outside the laboratory.
   re-create the naturally occurring conditions that influence people's daily behaviors.
   observe a truly random sample of human or animal behavior.

Question 138  Multiple Choice  0 points
Question
The transmission of political practices and religious customs from one generation to the next best illustrates the importance of _______.

Answer
- the normal curve.
- the empirical approach.
- the placebo effect.
- culture.

**Question 139**
Multiple Choice 0 points

Question
Slender women are considered especially beautiful in one country; in another country, stout women are seen as particularly attractive. In both countries, however, women perceived as very beautiful receive preferential treatment. This best illustrates that _______ often underlie cultural differences.

Answer
- common psychological processes
- gender differences
- unconscious preferences
- genetic dissimilarities

**Question 140**
Multiple Choice 0 points

Question
Psychologists report that genders differ in their risk of _______.

Answer
- alcohol dependence.
- depression.
- eating disorders.
- all of these problems.

**Question 141**
Multiple Choice 0 points

Question
Psychologists study animals because _______.

Answer
- they want to understand how different species think and behave.
- animal physiology is often simpler and easier to understand than human physiology is.
- it is more permissible to conduct certain types of research with animals than with humans.
- all of these reasons.

**Question 142**
Multiple Choice 0 points

Question
Scientists who defend the use of animals in experimental research typically claim that _______.

Answer
- the well-being of humans should be placed above the well-being of animals.
- competent scientists have no justifiable reason to end the lives of animals.
- animals should be used only in research that directly benefits the animals involved.
- allegations that laboratory animals are sometimes exposed to stress are simply untrue.

**Question 143**
Multiple Choice 0 points

Question
Animal researchers are more likely to support regulations protecting _______.

Answer
- the well-being of birds than the well-being of dogs.
- the well-being of cats than the well-being of mice.
- the well-being of insects than the well-being of fish.
- the well-being of snakes than the well-being of rats.

**Question 144**
Multiple Choice 0 points

Question
Psychologists occasionally deceive research participants about the true purpose of an experiment in order to prevent them from _______.

Answer
- worrying about the potential harm or discomfort they may experience.
- realizing that their privacy is being violated.
- deciding that they really don’t want to take part in the experiment.
- trying to confirm the experimenters’ predictions.

**Question 145**
Multiple Choice 0 points

Question
Ethical principles developed by the American Psychological Association and the British Psychological Society urge psychological investigators to _______.

Answer
- forewarn potential research participants of the exact hypotheses that the research will test.
- avoid the use of laboratory experiments when the behaviors of interest can be directly observed in natural settings.
- ensure that research participants give informed consent before participating in the research.
- avoid the use of monetary incentives in recruiting people to participate in research.

**Question 146**
Multiple Choice 0 points

Question
The personal values of psychologists are likely to influence their choice of _______.

Answer
- topics of investigation.
research methods.
explanatory theories.

all of these.