

Texas Education Agency Practice Test (Sample)

Study Guide



Everything you need from our exam experts!

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Introduction

Preparing for a certification exam can feel overwhelming, but with the right tools, it becomes an opportunity to build confidence, sharpen your skills, and move one step closer to your goals. At Examzify, we believe that effective exam preparation isn't just about memorization, it's about understanding the material, identifying knowledge gaps, and building the test-taking strategies that lead to success.

This guide was designed to help you do exactly that.

Whether you're preparing for a licensing exam, professional certification, or entry-level qualification, this book offers structured practice to reinforce key concepts. You'll find a wide range of multiple-choice questions, each followed by clear explanations to help you understand not just the right answer, but why it's correct.

The content in this guide is based on real-world exam objectives and aligned with the types of questions and topics commonly found on official tests. It's ideal for learners who want to:

- Practice answering questions under realistic conditions,
- Improve accuracy and speed,
- Review explanations to strengthen weak areas, and
- Approach the exam with greater confidence.

We recommend using this book not as a stand-alone study tool, but alongside other resources like flashcards, textbooks, or hands-on training. For best results, we recommend working through each question, reflecting on the explanation provided, and revisiting the topics that challenge you most.

Remember: successful test preparation isn't about getting every question right the first time, it's about learning from your mistakes and improving over time. Stay focused, trust the process, and know that every page you turn brings you closer to success.

Let's begin.

How to Use This Guide

This guide is designed to help you study more effectively and approach your exam with confidence. Whether you're reviewing for the first time or doing a final refresh, here's how to get the most out of your Examzify study guide:

1. Start with a Diagnostic Review

Skim through the questions to get a sense of what you know and what you need to focus on. Your goal is to identify knowledge gaps early.

2. Study in Short, Focused Sessions

Break your study time into manageable blocks (e.g. 30 - 45 minutes). Review a handful of questions, reflect on the explanations.

3. Learn from the Explanations

After answering a question, always read the explanation, even if you got it right. It reinforces key points, corrects misunderstandings, and teaches subtle distinctions between similar answers.

4. Track Your Progress

Use bookmarks or notes (if reading digitally) to mark difficult questions. Revisit these regularly and track improvements over time.

5. Simulate the Real Exam

Once you're comfortable, try taking a full set of questions without pausing. Set a timer and simulate test-day conditions to build confidence and time management skills.

6. Repeat and Review

Don't just study once, repetition builds retention. Re-attempt questions after a few days and revisit explanations to reinforce learning. Pair this guide with other Examzify tools like flashcards, and digital practice tests to strengthen your preparation across formats.

There's no single right way to study, but consistent, thoughtful effort always wins. Use this guide flexibly, adapt the tips above to fit your pace and learning style. You've got this!

Questions

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- 1. In a story about a long journey that ends with personal growth, what is a common theme?**
 - A. Trivial success comes easily**
 - B. Isolation leads to detachment**
 - C. A flat, unchanging outcome**
 - D. Resilience and growth through perseverance**

- 2. What is the formula for density?**
 - A. Mass = density \times volume**
 - B. Density = volume \div mass**
 - C. Density = mass \div volume**
 - D. Density \times volume = mass**

- 3. Which sentence provides the strongest evidence for the main idea?**
 - A. A general observation**
 - B. The sentence that directly links specific facts or examples to the central claim**
 - C. An unrelated anecdote**
 - D. A rhetorical question**

- 4. Which program is also known as Texas Afterschool Centers on Education (Texas ACE)?**
 - A. Coordinated School Health**
 - B. Communities In Schools**
 - C. Center for Improving the Readiness of Children for Reading and Education**
 - D. 21st Century Community Learning Centers**

- 5. What is the probability of rolling a 4 on a fair six-sided die?**
 - A. $\frac{1}{4}$**
 - B. $\frac{1}{6}$**
 - C. $\frac{1}{3}$**
 - D. $\frac{1}{2}$**

- 6. CIRCLE's purpose includes promoting quality learning environments for young children. Which option best reflects this?**
- A. To regulate reading standards**
 - B. To promote quality learning environments for young children**
 - C. To fund college scholarships**
 - D. To manage school transportation**
- 7. Solve for y: $4y - 9 = 3y + 7$.**
- A. $y = 7$**
 - B. $y = 16$**
 - C. $y = -2$**
 - D. $y = 3$**
- 8. Which sentence best supports the main idea in a paragraph?**
- A. A sentence that introduces a new topic**
 - B. A sentence that restates the topic in different words**
 - C. A filler sentence with vague language**
 - D. The sentence that directly links facts to the central claim**
- 9. The Permian Basin region of Texas is best described as located in which part of the state?**
- A. East Texas**
 - B. Central Texas**
 - C. West Texas**
 - D. South Texas**
- 10. Solve the system: $x + y = 7$ and $x - y = 1$.**
- A. $x = 4, y = 3$**
 - B. $x = 3, y = 4$**
 - C. $x = 5, y = 2$**
 - D. $x = 2, y = 5$**

Answers

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1. D
2. C
3. B
4. D
5. B
6. B
7. B
8. D
9. C
10. A

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Explanations

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1. In a story about a long journey that ends with personal growth, what is a common theme?

- A. Trivial success comes easily
- B. Isolation leads to detachment
- C. A flat, unchanging outcome
- D. Resilience and growth through perseverance**

Stories about long journeys that lead to personal growth typically center on resilience and growth through perseverance. The journey presents obstacles and setbacks, and the character changes by sticking with the struggle, learning from experiences, and continuing to move forward. That steady commitment to endure challenges is what drives transformation, making resilience and perseverance the natural theme for this kind of narrative. If success comes easily, isolation leads to detachment, or the outcome feels flat and unchanging, those ideas don't fit the arc of growth built on enduring effort through a lengthy voyage.

2. What is the formula for density?

- A. Mass = density \times volume
- B. Density = volume \div mass
- C. Density = mass \div volume**
- D. Density \times volume = mass

Density tells you how much matter is packed into a given amount of space. It is defined as the mass per unit volume, so the formula is density = mass \div volume. This direct definition shows how many grams (or kilograms) occupy each milliliter (or cubic meter), which is why you compute density by dividing mass by volume. For example, if you have a mass of 200 g and a volume of 100 mL, the density is 200 g \div 100 mL = 2 g/mL. The statement mass = density \times volume is mathematically the same relationship, just rearranged to solve for mass. Similarly, density \times volume = mass is equivalent. The key point is that the quantity defining density itself is mass per volume, not volume per mass (which would be the reciprocal of density).

3. Which sentence provides the strongest evidence for the main idea?

- A. A general observation
- B. The sentence that directly links specific facts or examples to the central claim**
- C. An unrelated anecdote
- D. A rhetorical question

The idea being tested is identifying which sentence best supports the central claim with concrete evidence. The strongest evidence comes from the sentence that directly links specific facts or examples to the central claim, because it shows exactly how the claim is supported and makes the connection clear for the reader. General observations are too broad to prove the claim; an unrelated anecdote has no relevance to the claim; and a rhetorical question, while engaging, does not provide factual support. Therefore, the sentence that directly ties specific facts or examples to the central claim provides the strongest evidence.

4. Which program is also known as Texas Afterschool Centers on Education (Texas ACE)?

- A. Coordinated School Health
- B. Communities In Schools
- C. Center for Improving the Readiness of Children for Reading and Education
- D. 21st Century Community Learning Centers**

The important idea here is matching a state name to the national program it stems from. Texas Afterschool Centers on Education, or Texas ACE, is the Texas label for the federal 21st Century Community Learning Centers program. This national program funds afterschool, before-school, and summer enrichment to support students' academic and personal growth, and Texas uses the Texas ACE name for it. The other options relate to different initiatives (health partnerships, a school-based support program, or a non-ACE center), so they don't represent the same afterschool program as Texas ACE.

5. What is the probability of rolling a 4 on a fair six-sided die?

- A. $\frac{1}{4}$
- B. $\frac{1}{6}$**
- C. $\frac{1}{3}$
- D. $\frac{1}{2}$

On a fair six-sided die, there are six equally likely outcomes: 1, 2, 3, 4, 5, and 6. The event of rolling a 4 has exactly one favorable outcome—the face with a 4—out of six possible outcomes. Therefore, the probability is $\frac{1}{6}$. The other options would require more than one favorable outcome (for example, $\frac{1}{4}$ would mean two favorable faces, and $\frac{1}{3}$ would also imply two of six), which isn't the case since there is only one face showing 4.

6. CIRCLE's purpose includes promoting quality learning environments for young children. Which option best reflects this?

- A. To regulate reading standards
- B. To promote quality learning environments for young children**
- C. To fund college scholarships
- D. To manage school transportation

Understanding an organization's purpose in early childhood is being tested here. The best statement is the one that directly says promoting quality learning environments for young children, because it matches the described aim of supporting how and where young children learn. Quality learning environments refer to safe, engaging, and supportive settings with developmentally appropriate activities and resources, plus positive teacher-child interactions that foster growth. This focus on the environment and conditions for learning is what distinguishes the option as the correct reflection of CIRCLE's purpose. The other options describe functions that aren't about creating or improving early learning environments: regulating reading standards is about what to teach and how to assess it, funding college scholarships relates to higher education, and managing school transportation concerns logistics rather than the learning setting itself.

7. Solve for y : $4y - 9 = 3y + 7$.

- A. $y = 7$
- B. $y = 16$**
- C. $y = -2$
- D. $y = 3$

Solving a linear equation means getting the variable by itself on one side while keeping the equation balanced. Here you want to collect the y terms on one side. Subtract $3y$ from both sides to move the y term over: $4y - 9 - 3y = 3y + 7 - 3y$, which simplifies to $y - 9 = 7$. Then add 9 to both sides to isolate y : $y - 9 + 9 = 7 + 9$, giving $y = 16$. To verify, substitute $y = 16$: $4(16) - 9 = 64 - 9 = 55$, and $3(16) + 7 = 48 + 7 = 55$, so both sides match. Other values don't balance the equation (for example, $y = 7$ gives 19 on the left and 28 on the right; $y = -2$ gives -17 versus 1; $y = 3$ gives 3 versus 16), so the solution is $y = 16$.

8. Which sentence best supports the main idea in a paragraph?

- A. A sentence that introduces a new topic
- B. A sentence that restates the topic in different words
- C. A filler sentence with vague language
- D. The sentence that directly links facts to the central claim**

The main idea of a paragraph is best supported by a sentence that directly ties the given facts back to that central claim. This kind of sentence shows exactly how the details justify or illustrate the main point, making the paragraph's argument clear and cohesive. It isn't introducing a new topic, which would distract from the main idea; it isn't simply restating the topic in different words, which adds little new support; and it isn't a vague filler sentence, which leaves you unsure how the details relate. By linking the evidence to the claim, this sentence helps readers see the logical connection and understand why the main idea holds.

9. The Permian Basin region of Texas is best described as located in which part of the state?

- A. East Texas
- B. Central Texas
- C. West Texas**
- D. South Texas

Geography and economic regions of Texas help explain where the Permian Basin sits. The basin is centered in the western part of the state, around Midland and Odessa, extending toward the New Mexico border. East Texas lies near the Louisiana border with pine forests, Central Texas covers the area around the heart of the state with hill country, and South Texas runs along the Gulf Coast near the border with Mexico. Because the Permian Basin sits in the western portion, the best description is West Texas.

10. Solve the system: $x + y = 7$ and $x - y = 1$.

A. $x = 4, y = 3$

B. $x = 3, y = 4$

C. $x = 5, y = 2$

D. $x = 2, y = 5$

Eliminating a variable by adding the equations is a quick way to solve this kind of system. Add the two equations: $(x + y) + (x - y) = 7 + 1$, which gives $2x = 8$, so $x = 4$. Then substitute $x = 4$ into the first equation: $4 + y = 7$, yielding $y = 3$. The pair $x = 4, y = 3$ satisfies both equations since $4 + 3 = 7$ and $4 - 3 = 1$. The other option pairs don't fit the second equation (for example, 3 and 4 give $3 - 4 = -1$; 5 and 2 give $5 - 2 = 3$; 2 and 5 give $2 - 5 = -3$). So the correct solution is $x = 4, y = 3$.

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Next Steps

Congratulations on reaching the final section of this guide. You've taken a meaningful step toward passing your certification exam and advancing your career.

As you continue preparing, remember that consistent practice, review, and self-reflection are key to success. Make time to revisit difficult topics, simulate exam conditions, and track your progress along the way.

If you need help, have suggestions, or want to share feedback, we'd love to hear from you. Reach out to our team at hello@examzify.com.

Or visit your dedicated course page for more study tools and resources:

<https://texaseducationagency.examzify.com>

We wish you the very best on your exam journey. You've got this!

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