

OLSAT LEVEL F PRACTICE TEST (SAMPLE)

STUDY GUIDE



SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS

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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. Pattern: black square, white square, black square, white square, black square, what is the 6th item?
 - A. Black square
 - B. White circle
 - C. Black circle
 - D. White square
2. Cat is to Kitten as Cow is to ?
 - A. Calf
 - B. Bull
 - C. Heifer
 - D. Calving
3. What is 124 minus 4?
 - A. 118
 - B. 124
 - C. 126
 - D. 120
4. In a column, the next number is determined by the same rule as the previous numbers. If the current number is 9 and the rule is multiply by 3, what is the next number?
 - A. 12
 - B. 18
 - C. 27
 - D. 36
5. Air, food, water, and shelter are examples of what concept?
 - A. Basic needs for survival
 - B. Luxuries
 - C. Entertainment
 - D. Social needs

6. What is the per-shirt gross margin?
- A. \$0.77
 - B. \$0.84
 - C. \$0.83
 - D. \$0.90
7. What is the missing number in the series: 37.5, ?, 6, 15, 93.75?
- A. 34
 - B. 24
 - C. 28
 - D. 45
8. In a grid rule, Row 1 is Triangle, Square, Circle; Row 2 is Square, Circle, Triangle; Which symbol comes next in Row 3, first position?
- A. Triangle
 - B. Circle
 - C. Square
 - D. Diamond
9. A rectangle rotated 180 degrees keeps the same orientation. Which statement is correct?
- A. True
 - B. Sometimes
 - C. Not enough information
 - D. False
10. Which word means involving calamity; catastrophic or disastrous?
- A. Calamitous
 - B. Catastrophic
 - C. Disastrous
 - D. Tragic

Answers

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

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Explanations

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1. Pattern: black square, white square, black square, white square, black square, what is the 6th item?

- A. Black square
- B. White circle
- C. Black circle
- D. White square**

The pattern uses the same shape every time and alternates color with each step. Starting with a black square, the sequence goes black, white, black, white, black, so the next one should be white while staying a square. A white square is the only option that keeps the shape and the alternating color pattern.

2. Cat is to Kitten as Cow is to ?

- A. Calf**
- B. Bull
- C. Heifer
- D. Calving

Analogies pair a word with the word for its young in the same species. Cat and kitten show that a young cat is a kitten. For cows, the young is a calf, so the missing term is calf. Other options refer to different roles: a bull is an adult male cow, a heifer is a young female cow, and calving is the act of giving birth, not a young animal.

3. What is 124 minus 4?

- A. 118
- B. 124
- C. 126
- D. 120**

Subtracting a small number from a larger one means look at the ones place and reduce that digit by the amount being subtracted. In 124, the ones digit is 4. Subtracting 4 brings that 4 down to 0, and the hundreds and tens stay the same. So you get 120. This matches the idea that 124 minus 4 equals 120. The other numbers would come from subtracting a different amount (for example, subtracting 6 would give 118, subtracting 0 would keep 124).

4. In a column, the next number is determined by the same rule as the previous numbers. If the current number is 9 and the rule is multiply by 3, what is the next number?

- A. 12
- B. 18
- C. 27**
- D. 36

When a sequence follows one rule from one term to the next, you apply that rule to the current number. Here the rule is multiply by 3. From 9, multiplying by 3 gives 27, so the next number is 27. The other possibilities would come from different operations (for example, 12 would come from adding 3, 18 from multiplying by 2, and 36 from multiplying by 4), which do not match the given rule.

5. Air, food, water, and shelter are examples of what concept?

- A. Basic needs for survival**
- B. Luxuries
- C. Entertainment
- D. Social needs

Air, food, water, and shelter show what you must have to stay alive. They are essential for survival because without them the body can't function properly, and life wouldn't continue. These needs are about physical safety and health, not about comfort or pleasure, and they apply to everyone regardless of circumstances. Other ideas like luxuries, entertainment, or social needs describe things that are nice to have or important for well-being, but not required to keep a person alive. Luxuries are additional comforts, entertainment is for enjoyment, and social needs relate to connections with people, which are important for happiness but don't sustain life by themselves.

6. What is the per-shirt gross margin?

- A. \$0.77
- B. \$0.84
- C. \$0.83**
- D. \$0.90

Calculating the amount you keep from each shirt means looking at the price you sell it for and subtracting the direct cost to make that shirt. This per-unit gross margin shows how much is left to cover other expenses and profit, before overhead. If a shirt sells for \$3.50 and it costs \$2.67 to produce, the gross margin per shirt is 3.50 minus 2.67, which equals 0.83. That's the amount earned per shirt after the basic production cost. The other numbers would require different production costs: for example, 0.77 would come from a cost of 2.73, 0.84 from a cost of 2.66, and 0.90 from a cost of 2.60. Given the stated cost, 0.83 is the correct per-shirt margin.

7. What is the missing number in the series: 37.5, ?, 6, 15, 93.75?

A. 34

B. 24

C. 28

D. 45

This question tests recognizing how numbers scale from term to term by looking at multiplicative changes, not just differences. In this sequence the later steps clearly use growing multipliers: from 6 to 15 is a factor of 2.5, and from 15 to 93.75 is a factor of 6.25, which are 2.5^1 and 2.5^2 . So the pattern has a increasing multiplier as you move forward two steps at a time. If you check the two-step relationship around the missing term, the overall two-step ratio from the first to the third term is 6 divided by 37.5, which is 0.16. For the middle two ratios to fit the same kind of multiplicative pattern that later steps show, the product of the two consecutive ratios around the missing term should equal this 0.16. Choosing the missing term as 34 gives $r_1 = 34/37.5 \approx 0.9067$ and $r_2 = 6/34 \approx 0.1765$, and $r_1 \times r_2$ is exactly 0.16 (within rounding). Meanwhile the right side continues with 2.5 and then 6.25, reinforcing the growing-multiplier pattern. This alignment makes 34 the choice that yields a neat, consistent multiplicative progression across the sequence.

8. In a grid rule, Row 1 is Triangle, Square, Circle; Row 2 is Square, Circle, Triangle; Which symbol comes next in Row 3, first position?

A. Triangle

B. Circle

C. Square

D. Diamond

In this grid, each column follows a fixed cycle as you move down: Triangle Square Circle Triangle, and so on. Looking at the first column, you see Triangle on the top row and Square in the next row. Continuing the same cycle, the symbol that comes after Square is Circle. So the next symbol in Row 3, first position, is Circle.

9. A rectangle rotated 180 degrees keeps the same orientation. Which statement is correct?

A. True

B. Sometimes

C. Not enough information

D. False

Rotational symmetry means a shape looks the same after a rotation. A rectangle has 180-degree rotational symmetry: if you rotate it halfway around (a half-turn) about its center, it lines up with itself. The longer side stays along the same axis, so the orientation doesn't change. That's why the statement is true. (If you turned it 90 degrees, it would usually look different unless it's a square.)

10. Which word means involving calamity; catastrophic or disastrous?

A. Calamitous

B. Catastrophic

C. Disastrous

D. Tragic

Calamity is disaster or great misfortune, so the word that directly conveys "involving calamity" is calamitous. It literally carries the sense of something being marked by calamity or bringing about misfortune. The other terms describe severe negative outcomes as well—catastrophic and disastrous emphasize the scale or impact of the event—but they don't hinge on the idea of calamity itself as directly. Tragic hints at sorrow or death, which is close but shifts the focus to emotion and loss rather than the calamity aspect. So calamitous fits best for meaning involving calamity.

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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://olsatlelvelf.examzify.com>

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

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