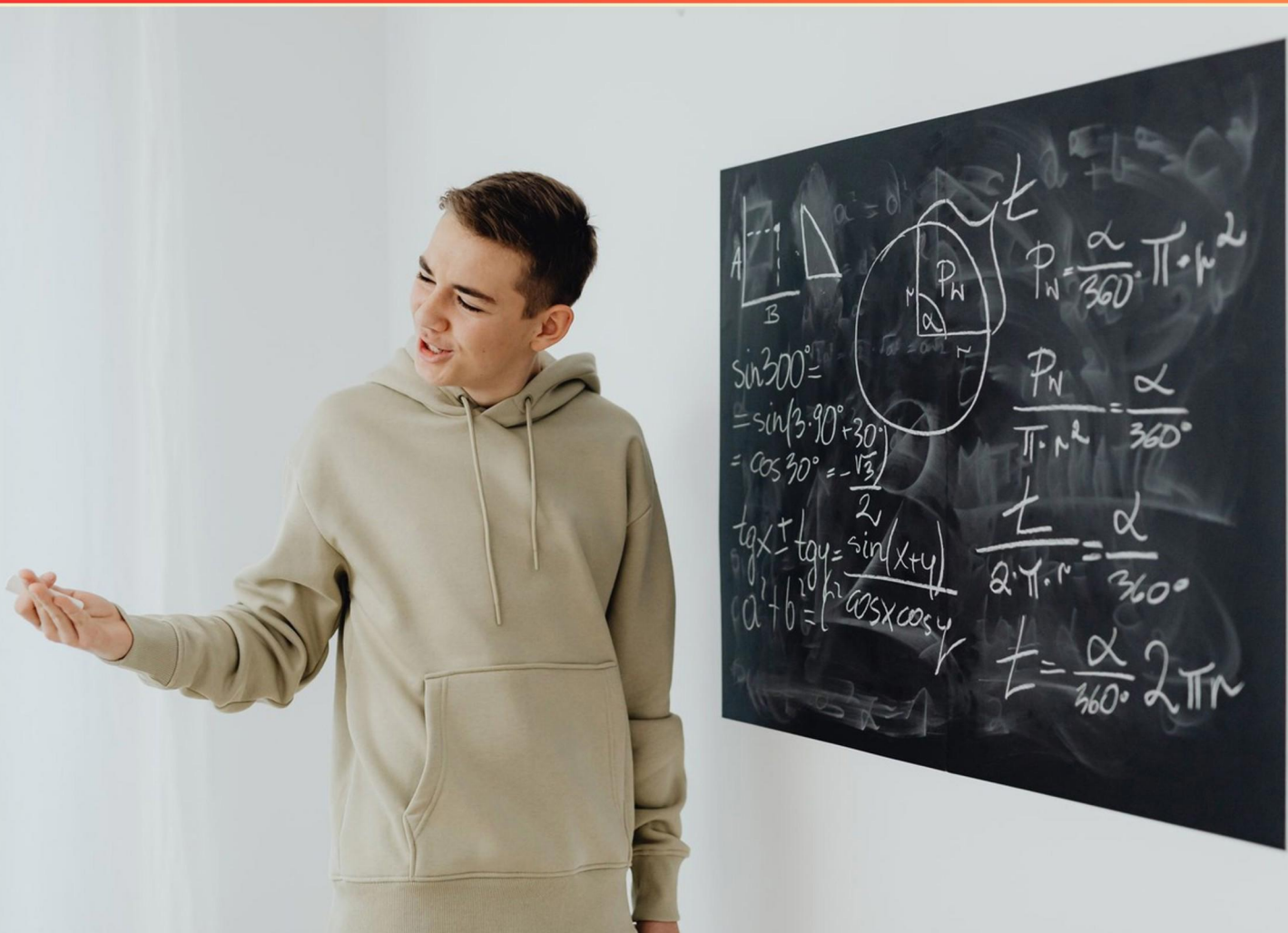


ARITHMETIC ACCUPLACER PRACTICE TEST (SAMPLE)

STUDY GUIDE



SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS

VISIT US ONLINE FOR
THE FULL VERSION STUDY GUIDE

<https://arithmeticaccuplacer.examzify.com>



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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. Find the sum of 63 and 27.

- A. 70
- B. 80
- C. 90
- D. 100

2. What is 120 divided by 8?

- A. 20
- B. 15
- C. 10
- D. 25

3. What is $25 + 15$?

- A. 30
- B. 35
- C. 40
- D. 45

4. What is the sum of 10 and 25?

- A. 20
- B. 30
- C. 35
- D. 40

5. 125 is what percent of 50?

- A. 200%
- B. 225%
- C. 250%
- D. 275%

6. If you buy 3 shirts for \$20 each, how much do you spend?

- A. \$60
- B. \$50
- C. \$70
- D. \$80

7. What is $35 - 19$?

- A. 14
- B. 15
- C. 16
- D. 17

8. What is $1,582 + 761$?

- A. 2,343
- B. 2,400
- C. 2,400
- D. 2,350

9. What is the result of 8 times 8?

- A. 64
- B. 72
- C. 56
- D. 81

10. What is the result of $70 - 29$?

- A. 39
- B. 41
- C. 43
- D. 45

Answers

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

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Explanations

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1. Find the sum of 63 and 27.

- A. 70
- B. 80
- C. 90**
- D. 100

To find the sum of 63 and 27, you simply add the two numbers together. Starting with 63, you can break it down into parts for an easier addition. You can add 20 to 63 first, which gives you 83. Then, you just need to add the remaining 7 from 27. So, adding 7 to 83 results in 90. Therefore, the total sum of 63 and 27 is 90. This method highlights the process of breaking down the addition into smaller, manageable pieces, which can be helpful in mental math. This consistent and logical approach ensures that you arrive at the correct total efficiently. The number 90 is the accurate sum, confirming that adding these two values results in that total.

2. What is 120 divided by 8?

- A. 20
- B. 15**
- C. 10
- D. 25

To find the result of dividing 120 by 8, the operation can be set up as follows: When dividing, you are essentially asking how many times the divisor (in this case, 8) fits into the dividend (which is 120). Performing the division: 1. Determine how many groups of 8 you can create from 120. 2. You can do this by repeatedly subtracting 8 from 120 or by considering simpler multiplication. 3. It is helpful to remember that 8 multiplied by 15 equals 120 (since $8 \times 15 = 120$) which means that the complete division gives 120 divided by 8 equals 15. Thus, the calculation results in a quotient of 15, indicating that 120 divided by 8 results in 15. This is the correct answer as it directly solves the division problem accurately.

3. What is 25 + 15?

- A. 30
- B. 35**
- C. 40
- D. 45

To determine the correct sum of 25 and 15, you need to add these two numbers together. Starting with 25, you add 15: - First, you can break down the addition into simpler steps if needed. For example, you could think of adding 10 to 25, which gives you 35, and then adding the remaining 5 will bring you to 40. Alternatively, adding them directly: $25 + 15 = 40$. This makes 40 the correct answer, as it accurately represents the total when combining the two numbers. In this case, the choice provided is not accurate based on the arithmetic we performed.

4. What is the sum of 10 and 25?

- A. 20
- B. 30**
- C. 35
- D. 40

To find the sum of 10 and 25, you simply perform the addition: $10 + 25$ equals 35. This means that the correct answer is 35. When adding two numbers, the result combines the value of both numbers. In this case, when you add 10 to 25, you are essentially increasing 25 by 10, which leads to a total of 35. It's important to perform the arithmetic operation carefully to avoid arriving at incorrect sums that don't align with the method of addition. This understanding solidifies the concept of summing whole numbers effectively.

5. 125 is what percent of 50?

- A. 200%
- B. 225%
- C. 250%**
- D. 275%

To determine what percent 125 is of 50, you can use the formula for finding percentage, which is: $\text{Percentage} = \left(\frac{\text{Part}}{\text{Whole}} \right) \times 100$. In this case, the part is 125, and the whole is 50. Plugging in the values, the calculation would look like this: $\text{Percentage} = \left(\frac{125}{50} \right) \times 100$. First, calculate the fraction: $\frac{125}{50} = 2.5$. Next, multiply by 100 to convert the fraction to a percentage: $2.5 \times 100 = 250$. This shows that 125 is 250% of 50. Thus, the reasoning aligns perfectly with the correct answer, which is 250%. By using the percentage formula effectively and performing the multiplication after simplifying the fraction, we arrive clearly at the correct conclusion.

6. If you buy 3 shirts for \$20 each, how much do you spend?

- A. \$60**
- B. \$50
- C. \$70
- D. \$80

To find out how much is spent on 3 shirts when each shirt costs \$20, you multiply the cost of one shirt by the number of shirts purchased. This involves a simple multiplication operation: $3 \text{ shirts} \times \$20 \text{ per shirt} = \$60$. Therefore, the total expenditure for the 3 shirts is \$60, making it the correct answer. The calculation captures the straightforward relationship between the unit price of the shirts and the total quantity purchased, leading directly to the total cost.

7. What is $35 - 19$?

- A. 14
- B. 15
- C. 16**
- D. 17

To find the result of 35 minus 19, we start by performing the subtraction directly. First, we can break it down into simpler parts or use borrowing if needed. Starting from the right, we know that we cannot subtract 9 from 5 directly, so we would borrow 1 from the 3 (which becomes 2), turning the 5 into 15. Now we can subtract: $15 - 9$ equals 6. Next, in the tens place, we now have 2 (originally 3 after borrowing) minus 1 from the 10s, which is $2 - 1$ equals 1. Putting these together gives us the final total of 16. Thus, the answer to $35 - 19$ is correctly found to be 16.

8. What is $1,582 + 761$?

- A. 2,343**
- B. 2,400
- C. 2,400
- D. 2,350

To find the sum of 1,582 and 761, you can stack the numbers vertically, aligning them by their rightmost digits, and then add each column starting from the right. First, add the digits in the ones place: $2 + 1 = 3$. Next, move to the tens place: $8 + 6 = 14$. Write down 4 and carry over 1 to the hundreds place. Then, add the hundreds place: 5 (from 1,582) + 7 (from 761) + 1 (the carry) equals 13. Write down 3 and carry over 1 to the thousands place. Finally, move to the thousands place: 1 (the carry) + 1 (from 1,582) = 2. Putting it all together, you have: 1 + 1 carry from last addition gives you 2 in the thousands place, 3 in the hundreds place, 4 in the tens place, and 3 in the ones place, resulting in 2,343. Thus, the correct answer is 2,343, which confirms that option A is accurate.

9. What is the result of 8 times 8?

- A. 64**
- B. 72
- C. 56
- D. 81

The result of multiplying 8 by 8 is 64. This is a fundamental operation in arithmetic known as multiplication, where you are essentially adding the number 8 to itself a total of eight times: $8 + 8 + 8 + 8 + 8 + 8 + 8 + 8 = 64$. This reflects the essence of multiplication, which is a shorthand for repeated addition. In this case, both 8 and 8 are the same number, and when you multiply these together, the total increases significantly compared to simply adding them a few times. Understanding this concept of multiplication helps reinforce how numbers interact, particularly with squares. Since 8 times 8 is also referred to as "squaring the number," it shows another layer of mathematical relationships. Thus, 64 is indeed the correct answer to 8 times 8.

10. What is the result of $70 - 29$?

A. 39

B. 41

C. 43

D. 45

To find the result of $70 - 29$, you simply perform the subtraction. You start with 70 and subtract 29 from it. First, break it down slightly: 1. When you take away 20 from 70, you are left with 50. 2. Then, take away an additional 9 from 50. Doing this step-by-step can help ensure accuracy: $50 - 9$ equals 41. Thus, the correct result of $70 - 29$ is indeed 41. Subtracting is a foundational arithmetic operation, and ensuring that you carefully manage each part of the equation is key to arriving at the correct answer.

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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://arithmeticaccuplacer.examzify.com>

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

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