WORKKEYS MATH 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.

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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!

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Questions

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1. **Last year, 40 lawn mowers cost $4,776. How much will 120 lawn mowers cost this year at the same rate?**

   A. $11928

   B. $14328

   C. $15840

   D. $16000

2. **What is the sum of the angles in a triangle?**

   A. 90 degrees

   B. 180 degrees

   C. 360 degrees

   D. 120 degrees

3. **Which of these is an example of a mixed number?**

   A. 3.5

   B. 2 1/2

   C. 1/4

   D. 7

4. **How many minutes are in an hour and a half?**

   A. 60 minutes

   B. 90 minutes

   C. 120 minutes

   D. 150 minutes

5. **What is the value of 7 quarters in dollars?**

   A. $1.75

   B. $1.50

   C. $2.00

   D. $1.25

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6. A worker is paid $11.00 per hour and works a total of 19 hours in a week. How much does he earn for that week?

A. $206.00

B. $209.00

C. $210.00

D. $211.00

7. How much almond extract should you add if the recipe calls for 0.75 teaspoon?

A. 1/4 of a teaspoon

B. 1/2 of a teaspoon

C. 3/4 of a teaspoon

D. 1/3 of a teaspoon

8. If a rectangle has a length of 10 cm and a width of 5 cm, what is its area?

A. 30 cm^2

B. 40 cm^2

C. 50 cm^2

D. 60 cm^2

9. How much is 3/5 + 1/5?

A. 3/5

B. 4/5

C. 2/5

D. 1/5

10. Your employer pays you 1 1/2 times your normal wage of $12/hour on holidays. How much will you earn per hour on a holiday?

A. $15

B. $16

C. $18

D. $20

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Answers

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

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Explanations

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1. Last year, 40 lawn mowers cost $4,776. How much will 120 lawn mowers cost this year at the same rate?

A. $11928

B. $14328

C. $15840

D. $16000

To find the cost of 120 lawn mowers at the same rate as the previous year, we first need to determine the cost of one lawn mower. The total cost for 40 lawn mowers was $4,776. By dividing $4,776 by 40, we can calculate the cost per lawn mower: Cost per lawn mower = Total cost / Number of lawn mowers = $4,776 / 40 = $119.40. Next, to find the total cost for 120 lawn mowers, we need to multiply the cost per lawn mower by the number of lawn mowers we want: Total cost for 120 lawn mowers = Cost per lawn mower x Number of lawn mowers = $119.40 x 120 = $14,328. Hence, the calculation shows that if the same rate applies, 120 lawn mowers will cost $14,328 this year. This matches the choice given in the question. The approach of using the unit cost to calculate the total cost for a different quantity is not only straightforward but also essential for solving similar problems involving proportional reasoning in costs.

2. What is the sum of the angles in a triangle?

A. 90 degrees

B. 180 degrees

C. 360 degrees

D. 120 degrees

The sum of the angles in a triangle is always 180 degrees. This is a fundamental property of triangles in Euclidean geometry, which applies regardless of the type of triangle (whether it is scalene, isosceles, or equilateral). When you add the measures of the three interior angles of any triangle, they will always total 180 degrees. This property can be observed by drawing a triangle and extending one of its sides, allowing you to use parallel lines and alternate interior angles to visualize that the angles formed together equal 180 degrees. Understanding this concept is crucial for solving many problems in geometry, as it often serves as the basis for other calculations involving triangles, such as finding missing angles or understanding relationships between angles in more complex shapes.

3. Which of these is an example of a mixed number?

A. 3.5

B. 2 1/2

C. 1/4

D. 7

A mixed number consists of a whole number combined with a proper fraction. In this case, the correct answer is the option that features both a whole number and a fraction. The choice of 2 1/2 exemplifies this definition, as it contains the whole number 2 and the proper fraction 1/2, indicating a value that is more than 2 but less than 3. On the other hand, the other options present different numerical forms: 3.5 is a decimal, 1/4 is a proper fraction, and 7 is a whole number. None of these incorporate the combination of a whole number and a fraction, which is essential for identifying a mixed number. Thus, 2 1/2 stands out as the only correct example fitting the criteria for a mixed number.

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4. How many minutes are in an hour and a half?

A. 60 minutes

B. 90 minutes

C. 120 minutes

D. 150 minutes

An hour consists of 60 minutes. When calculating the duration of an hour and a half, you first consider 60 minutes for the full hour. Then, for the additional half hour, you take half of 60 minutes, which is 30 minutes. Adding these two amounts together—60 minutes for the full hour plus 30 minutes for the half hour—gives a total of 90 minutes. This clear breakdown demonstrates why the answer is accurate. Thus, an hour and a half is indeed 90 minutes.

5. What is the value of 7 quarters in dollars?

A. $1.75

B. $1.50

C. $2.00

D. $1.25

To determine the value of 7 quarters in dollars, it is essential to understand how much each quarter is worth. A quarter is equal to 25 cents, or $0.25. To find the total value of 7 quarters, you multiply the value of one quarter by the number of quarters: \[7 \text{ quarters} \times 0.25 \text{ dollars/quarter} = 1.75 \text{ dollars} \] This calculation shows that 7 quarters indeed equal $1.75. Thus, the correct answer accurately reflects the conversion from quarters to dollars.

6. A worker is paid $11.00 per hour and works a total of 19 hours in a week. How much does he earn for that week?

A. $206.00

B. $209.00

C. $210.00

D. $211.00

To determine how much the worker earns for the week, you can multiply the hourly wage by the number of hours worked. In this case, the worker earns $11.00 for each hour worked, and they worked a total of 19 hours. The calculation is straightforward: \[\text{Total Earnings} = \text{Hourly Wage} \times \text{Number of Hours Worked} \] \[\text{Total Earnings} = 11.00 \, \text{dollars/hour} \times 19 \, \text{hours} \] \[\text{Total Earnings} = 209.00 \, \text{dollars} \] This means the worker earns a total of $209.00 for that week. Given this calculation, it confirms that the total earnings align with the choice indicating $209.00. Understanding how to perform this type of multiplication is essential for calculating wages or other similar financial computations regularly encountered in work-related scenarios.

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7. How much almond extract should you add if the recipe calls for 0.75 teaspoon?

A. 1/4 of a teaspoon

B. 1/2 of a teaspoon

C. 3/4 of a teaspoon

D. 1/3 of a teaspoon

The recipe specifies the addition of 0.75 teaspoon of almond extract, which is equivalent to 3/4 teaspoon. This measurement is exactly what the recipe calls for, meaning that if you add this amount, you will be following the instructions correctly. The other options do not represent the required measurement accurately. For instance, adding 1/4 teaspoon is significantly less than needed, and 1/2 teaspoon is still under the specified amount. Similarly, adding 1/3 of a teaspoon does not meet the requirement, as it is less than the needed 3/4 teaspoon. Therefore, adding 3/4 teaspoon ensures that the recipe is made as intended.

8. If a rectangle has a length of 10 cm and a width of 5 cm, what is its area?

A. 30 cm^2

B. 40 cm^2

C. 50 cm^2

D. 60 cm^2

To find the area of a rectangle, you can use the formula: Area = Length × Width In this question, the length of the rectangle is given as 10 cm and the width is 5 cm. Plugging these values into the formula: Area = 10 cm × 5 cm = 50 cm^2 This calculation confirms that the area of the rectangle is indeed 50 cm^2. The other options provided do not match this calculation, as they result from using incorrect dimensions or misunderstandings of the area calculation process. Therefore, the correct answer reflects accurate application of the area formula for a rectangle.

9. How much is 3/5 + 1/5?

A. 3/5

B. 4/5

C. 2/5

D. 1/5

To solve the problem of adding the fractions 3/5 and 1/5, you first need to recognize that both fractions share a common denominator, which in this case is 5. When adding fractions with the same denominator, you simply add the numerators while keeping the denominator the same. So, you take the numerators: 3 and 1, and add them together. This results in: 3 + 1 = 4. Next, you keep the denominator, which is 5, the same. Therefore, you combine the results to get: 4/5. This confirms that the correct answer is 4/5. It represents the total value obtained by combining the two fractional parts. Understanding how to add fractions through this process is fundamental in arithmetic, particularly when dealing with fractions that share the same denominator.

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10. Your employer pays you 1 1/2 times your normal wage of $12/hour on holidays. How much will you earn per hour on a holiday?

A. $15

B. $16

C. $18

D. $20

*To find out how much you will earn per hour on a holiday, you start by calculating 1 1/2 times your normal hourly wage. Your normal wage is $12 per hour. First, convert 1 1/2 into a fractional form, which is 1.5 or can be expressed as the fraction 3/2. Now, multiply your normal wage by 1.5: 12 * 1.5 = 18 Alternatively, you may also express the calculation as multiplying by the fraction: 12 * (3/2) = 12 * 3 = 36, and then divide by 2 to get 18. Either method leads to the conclusion that on holidays, you will earn $18 per hour. This is why the correct answer reflects that increased wage rate on holidays.*

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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://workkeysmath.examzify.com

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

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