

ORDNANCE FACTORY SEMI SKILLED QUESTION PAPER PAPERS Reference

Ordnance Factory Semi Skilled Question Paper Papers

Preparing for the Ordnance Factory Semi Skilled examination can be a challenging yet rewarding journey. One of the most effective ways to ensure success is by practicing with previous question papers and mock tests. These materials not only familiarize candidates with the exam pattern but also help identify important topics and improve time management skills. In this comprehensive guide, we will explore everything you need to know about Ordnance Factory Semi Skilled Question Paper Papers, including their importance, structure, preparation tips, and where to find authentic materials.

Understanding the Importance of Question Paper Papers

Why Practice Previous Year Papers?

Practicing previous year question papers is crucial for several reasons:

- **Exam Pattern Familiarity:** Understanding the structure of the exam, types of questions, and marking scheme.
- **Time Management:** Learning how to allocate time efficiently across different sections.
- **Identifying Important Topics:** Recognizing frequently asked questions and high-weightage topics.
- **Boosting Confidence:** Reducing exam anxiety through regular practice and familiarity.

Benefits of Using Question Paper Papers

Using question papers as part of your preparation provides:

- **Real Exam Experience:** Simulating the actual test environment to build confidence.
- **Self-Assessment:** Gauging your preparedness and identifying areas needing improvement.
- **Enhanced Problem-Solving Skills:** Improving speed and accuracy with regular practice.

Structure of the Ordnance Factory Semi Skilled Exam Paper

Exam Pattern Overview

The Ordnance Factory Semi Skilled exam generally consists of multiple-choice questions (MCQs) covering various subjects relevant to the job profile.

Typical exam pattern includes:

- Number of Questions: Usually around 100-120 questions.
- Time Duration: Approximately 2 hours.
- Marking Scheme: 1 mark for each correct answer, with some sections possibly having negative marking.
- Subjects Covered: General Intelligence & Reasoning, General Awareness, General English, and Subject-specific sections.

Sections and Their Focus Areas

Each section tests different skill sets:

- **General Intelligence & Reasoning:** Puzzles, analogies, coding-decoding, number series, and logical deduction.
- **General Awareness:** Current affairs, history, geography, polity, and general science.
- **General English:** Vocabulary, grammar, sentence correction, and comprehension.
- **Subject-specific Sections:** Based on the trade or discipline, such as mechanical, electrical, or fitting.

How to Find Authentic Ordnance Factory Semi Skilled Question Paper Papers

Official Sources

The most reliable question papers are often available through official channels:

- **Official Website:** Visit the Ordnance Factory Board (OFB) or relevant government recruitment portals.
- **Recruitment Notifications:** Download previous notices which sometimes include sample questions or links to past papers.

Educational and Coaching Websites

Many educational platforms offer free or paid access to question papers:

- Online forums dedicated to government exams.
- Dedicated coaching institute websites providing downloadable PDFs.
- Mock test portals with timed practice exams mimicking the real pattern.

Books and Study Material

Numerous books compile previous question papers along with solutions:

- Look for books titled 'Previous Year Question Papers for Ordnance Factory Exams'.
- Ensure they are published by reputed authors or publishers.

Effective Strategies for Using Question Paper Papers

Set a Timed Practice Schedule

Simulate exam conditions by setting strict time limits for solving question papers:

- Start with practicing one paper per sitting.
- Gradually decrease the time to improve speed.
- Review your performance to identify weak areas.

Analyze Your Performance

After each practice session:

- Check which questions were answered incorrectly or left unanswered.
- Note recurring topics or question types that need further revision.
- Adjust your study plan based on these insights.

Focus on Accuracy and Speed

While speed is essential, accuracy should not be compromised:

- Practice regularly to build familiarity.

- Learn shortcuts and tricks for solving questions quickly.
- Avoid guesswork by eliminating obviously wrong options.

Additional Tips for Effective Preparation

- **Understand the Syllabus:** Make sure your preparation covers all topics included in the exam.
- **Stay Updated:** Keep abreast of current affairs and recent developments related to the field.
- **Regular Revision:** Revisit important topics periodically to retain information.
- **Join Mock Tests:** Participate in online or offline mock exams to boost confidence and assess readiness.
- **Time Management Skills:** Develop strategies for answering questions effectively within the allotted time.

Conclusion

Preparing with Ordnance Factory Semi Skilled Question Paper Papers is an indispensable part of your exam strategy. They provide invaluable insights into the exam pattern, help identify important topics, and build confidence through simulated practice. By sourcing authentic question papers from official websites, coaching centers, and reputable publications, and following disciplined practice routines, candidates can significantly enhance their chances of success. Remember, consistent effort, strategic preparation, and thorough practice are the keys to cracking the Ordnance Factory Semi Skilled exam and securing a position in this prestigious organization. Good luck with your preparation!

Ordnance Factory Semi Skilled Question Paper Papers: A Comprehensive Guide to Preparation and Success

Preparing for the Ordnance Factory Semi Skilled Question Paper Papers can be a daunting task for aspiring candidates aiming to secure a position in this prestigious organization. These papers are designed to assess a candidate's technical knowledge, reasoning ability, and general awareness relevant to the specific semi-skilled roles within ordnance factories across India. Understanding the structure, pattern, and key areas of focus in these question papers is crucial for effective preparation. This guide aims to provide a detailed analysis and strategic approach to mastering these question papers, ensuring you are well-equipped to excel in your examination.

Understanding the Significance of Ordnance Factory Semi Skilled Question Paper Papers

The Ordnance Factory Semi Skilled Question Paper Papers serve as the primary evaluation tool to filter candidates for various semi-skilled positions such as Fitter, Turner, Machinist, Electrician, and other trades. These papers are typically standardized and aim to test a candidate's:

- Technical knowledge related to their trade
- Basic mathematics and reasoning skills
- General awareness, especially related to industry and safety standards
- Language skills, including comprehension and vocabulary

Candidates who perform well on these papers stand a higher chance of progressing in the recruitment process, which may include interviews and skill tests.

Key Components of the Question Paper

A typical Ordnance Factory Semi Skilled Question Paper comprises several sections, each evaluating different skill sets:

- Technical/Trade Knowledge
 - Focused on core concepts related to the specific trade or discipline
 - Questions may involve practical knowledge, theories, and problem-solving related to manufacturing, machining, electrical work, etc.
- General Knowledge and Awareness
 - Industry-specific questions
 - Current affairs, especially related to defense and manufacturing sectors
 - Basic science and technology updates
- Mathematics
 - Arithmetic, algebra, geometry, and basic numeracy
 - Application-based problems relevant to trade work
- General Reasoning
 - Verbal and non-verbal reasoning puzzles

- Logical deduction and problem-solving
- Language Skills
- Comprehension passages
- Vocabulary and grammar

Exam Pattern and Marking Scheme

While patterns may vary slightly depending on the specific recruitment notification, a typical Ordnance Factory Semi Skilled Question Paper pattern includes:

- Total Duration: Usually 2 hours
- Total Marks: Around 100 marks
- Number of Questions: Approximately 100 questions
- Question Type: Multiple choice questions (MCQs)

Marking Scheme:

- Correct answer: 1 mark
- Wrong answer: 0.25 marks penalty (sometimes negative marking is applied)
- Unattempted: No penalty

Understanding this pattern helps candidates strategize time management and question prioritization during the exam.

Preparation Strategy for Ordnance Factory Semi Skilled Question Paper Papers

Effective preparation requires a systematic approach. Here's a step-by-step guide to help candidates excel:

Step 1: Analyze the Syllabus and Exam Pattern

- Obtain the official syllabus and previous year's question papers.
- Understand the weightage of each section.

Step 2: Gather Quality Study Materials

- Trade-specific textbooks
- NCERT books for basic science and mathematics
- Current affairs magazines and newspapers
- Online mock tests and previous question papers

Step 3: Create a Study Schedule

- Allocate time daily for each section
- Focus more on weak areas but do not neglect stronger sections
- Include regular revision sessions

Step 4: Practice Rigorously

- Solve previous year question papers under timed conditions
- Attempt mock tests to simulate exam environment
- Review mistakes and understand the correct solutions

Step 5: Stay Updated on Industry and General Knowledge

- Read newspapers and industry journals
- Follow defense and manufacturing news

Step 6: Improve Speed and Accuracy

- Practice quick calculation techniques
- Develop a habit of reading questions carefully
- Use elimination methods for MCQs

Section-wise Preparation Tips

Technical/Trade Knowledge

- Focus on fundamental concepts of your trade

- Practice diagrammatic questions and practical problems
- Refer to technical manuals and guides specific to your trade

Mathematics

- Master basic arithmetic operations and shortcuts
- Practice previous question papers focusing on speed
- Understand the application of formulas

General Knowledge & Awareness

- Keep abreast of recent developments in defense manufacturing
- Prepare a monthly current affairs roundup
- Focus on important days, awards, and defense-related news

Reasoning

- Practice puzzles, series, and pattern recognition
- Develop logical thinking through daily exercises
- Use reasoning books and online puzzles

Language Skills

- Read comprehension passages regularly
- Improve vocabulary through daily word lists
- Practice grammar exercises

Resources and Practice Material

- Official recruitment notifications and syllabi
- Previous years' question papers and answer keys
- Online platforms offering mock tests and quizzes
- Trade-specific technical manuals
- General knowledge apps and newspapers

Common Challenges and How to Overcome Them

Time Management

- Practice under timed conditions
- Prioritize questions based on confidence levels

Negative Marking

- Avoid guesswork unless you can eliminate options confidently
- Leave difficult questions unanswered

Maintaining Focus

- Take short breaks during preparation
- Stay motivated and positive

Handling Stress

- Practice relaxation techniques
- Maintain a healthy routine and sleep schedule

Final Tips for Success

- Consistent practice is key; start early
- Focus on accuracy rather than speed initially
- Keep track of your performance through mock tests
- Clarify doubts immediately with mentors or peers
- Keep a positive attitude and stay confident

Conclusion

The Ordnance Factory Semi Skilled Question Paper Papers are challenging but manageable with the right strategy, disciplined preparation, and thorough understanding of the exam pattern. By focusing on each section, practicing regularly, and staying updated with industry trends, candidates can significantly improve their chances of success. Remember, consistent effort and smart preparation are your best tools to crack the exam and secure your dream job in the defense manufacturing sector.

Good luck!

QuestionAnswer What are the common topics covered in the Ordnance Factory semi-skilled question papers? The question papers typically cover topics such as General Knowledge, Arithmetic, General Science, Reasoning, and Basic Mechanical or Electrical concepts relevant to the semi-skilled position. Where can I find previous year Ordnance Factory semi-skilled question papers? Previous year question papers are available on official Ordnance Factory recruitment websites, educational forums, and coaching centers' online resources to help candidates prepare effectively. How can I best prepare for the semi-skilled question paper of Ordnance Factory exams? Prepare by studying the relevant syllabus thoroughly, practicing previous question papers, improving speed and accuracy, and staying updated on General Knowledge and Science topics frequently asked in the exam. Are there any specific books recommended for preparing Ordnance Factory semi-skilled question papers? Yes, books on General Science, Quantitative Aptitude, Reasoning, and General Knowledge tailored for government exams are highly recommended. Also, practicing previous papers and mock tests can boost confidence. What is the difficulty level of the Ordnance Factory semi-skilled question paper? The difficulty level is generally moderate, focusing on fundamental concepts and basic skills. Candidates with good practice and understanding of core topics can perform well. How important are time management skills during the Ordnance Factory semi-skilled examination? Time management is crucial to complete all questions within the given time frame. Practicing mock tests helps improve speed and accuracy, ensuring better performance on the exam day.

Related keywords: ordnance factory, semi skilled questions, question paper, previous year's papers, exam preparation, syllabus, model questions, practice papers, technical questions, recruitment exam

semi circle prism paper net

Semi Circle Prism Paper Net: A Comprehensive Guide

The semi circle prism paper net is an intriguing geometric model that is widely used in educational settings to help students understand the properties of prisms and the concept of nets. Whether you are a teacher preparing teaching aids or a student exploring geometric shapes, understanding how to create and visualize a semi circle prism paper net can significantly enhance your spatial reasoning skills. In this article, we will delve into the details of what a semi circle prism paper net is, how to construct it, its properties, and practical applications.

What is a Semi Circle Prism Paper Net?

A semi circle prism paper net is a flat, two-dimensional pattern that, when cut out and folded along specific edges, forms a three-dimensional semi-circular prism. The net acts as a blueprint or template, allowing you to visualize the shape before assembly.

Definition of a Semi Circle Prism

A semi circle prism is a three-dimensional solid that has:

- Two congruent semi circular bases
- Rectangular lateral faces connecting corresponding points on the semi circular bases

This shape resembles a cylinder but with a semi-circular cross section, giving it a unique appearance and set of properties.

Understanding the Paper Net

The paper net for this shape typically includes:

- Two semi circular shapes (top and bottom)
- Rectangular faces that connect the edges of the semi circles

When these components are cut out and folded along the edges, they form the semi circle prism.

Constructing a Semi Circle Prism Paper Net

Creating a semi circle prism paper net involves a few steps that require precision in measurement and cutting. Below is a step-by-step guide to help you construct your own.

Materials Needed

- Printable semi circle prism net template or graph paper
- Scissors
- Glue or tape
- Ruler and protractor (optional for precise measurements)
- Pencil

Steps to Create the Paper Net

- **Draw or print the net:** Obtain a template of the semi circle prism net or draw one manually. The net should include two semi circles connected by rectangular faces.

- **Cut out the net:** Carefully cut along the outer edges of the pattern, including the semi circles and the connecting rectangles.

- **Fold along edges:** Fold along the lines where the rectangles meet the semi circles to form the sides of the prism. Use the ruler to ensure straight folds for a neat appearance.

- **Assemble the shape:** Join the edges of the rectangles to the semi circular bases using glue or tape. Make sure the edges align properly to maintain the shape's symmetry.

- **Complete the prism:** Secure all edges, and allow the glue to dry if used. Your semi circle prism is now ready for display or further study.

Properties of a Semi Circle Prism

Understanding the properties of a semi circle prism is crucial for comprehending its geometric significance. Here's a detailed exploration.

Surface Area

The total surface area (SA) of a semi circle prism includes:

- The area of the two semi circular bases
- The area of the rectangular lateral faces

Formula:

- Area of one semi circle: $\frac{1}{2} \pi r^2$
- Area of two semi circles: πr^2
- Area of the rectangular faces: length $\times$ width (depends on the height and diameter of the semi circles)

Total Surface Area:

$$SA = \pi r^2 + \text{perimeter of semi circle} \times \text{height}$$

Note: The perimeter of a semi circle (including the straight edge) is $\pi r + 2r$.

Volume

The volume of a semi circle prism is calculated based on the area of the semi circular base and the height (length of the prism).

Formula:

$$V = \left(\frac{1}{2} \pi r^2\right) \times h$$

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where:

- (r) is the radius of the semi circle
- (h) is the length (height) of the prism

Surface and Volume Relationships

- The surface area depends on both the radius and the height.
- The volume is directly proportional to the area of the semi circular base and the length of the prism.

Applications and Uses of Semi Circle Prism Paper Nets

Semi circle prism paper nets are not just educational tools; they have practical applications in various fields.

Educational Purposes

- Visualize and understand the properties of semi circular prisms
- Develop spatial reasoning and construction skills
- Use as teaching aids in geometry lessons

Design and Engineering

- Prototype parts of semi-circular structures such as arches and tunnels
- Model components in architectural design

Art and Craft Projects

- Create decorative items with semi-circular shapes
- Explore innovative design concepts for sculptures

Mathematical Exploration

- Investigate the relationships between area, surface area, and volume
- Understand the concept of nets and how 3D shapes unfold into 2D patterns

Tips for Making an Accurate Semi Circle Prism Paper Net

To ensure your paper net accurately forms the semi circle prism, consider these tips:

- Use precise measurements for the radius and height to maintain proportionality.
- Print or draw the net on sturdy paper or cardstock for durability.
- Make clean cuts along the lines to facilitate neat folding and assembly.
- Use a ruler and protractor for accurate angles and straight lines.
- Apply glue carefully to avoid excess that could distort the shape.

Conclusion

The semi circle prism paper net is a versatile and educational tool that bridges the gap between two-dimensional diagrams and three-dimensional understanding. By mastering the art of creating and assembling these nets, learners can deepen their comprehension of geometric shapes, surface area, and volume. Whether for classroom activities, design projects, or personal exploration, understanding the construction and properties of semi circle prisms opens doors to a richer appreciation of geometry's beauty and utility.

Remember, the key to success lies in precision, patience, and creativity. With the right approach, your semi circle prism paper net can become a valuable addition to your geometric toolkit, fostering curiosity and hands-on learning.

Keywords: semi circle prism paper net, geometric shape, paper craft, 3D shape, nets of prisms, educational geometry, constructing 3D shapes, volume and surface area of semi circular prism, craft

projects, mathematical models

Semi Circle Prism Paper Net: An In-Depth Expert Review

Introduction to the Semi Circle Prism Paper Net

In the realm of geometric modeling and educational aids, the semi circle prism paper net stands out as a versatile and visually engaging tool. Combining the principles of geometry with hands-on craft, this paper net serves both as a teaching resource and a creative project. Whether used in classrooms to demonstrate three-dimensional shapes or as an artistic element in craft projects, understanding the structure, construction, and applications of the semi circle prism paper net is essential for educators, students, and hobbyists alike.

This comprehensive review explores every aspect of the semi circle prism paper net ? from its geometric foundations to practical applications ? providing an expert perspective on its design, construction, and utility.

What is a Semi Circle Prism Paper Net?

A semi circle prism is a three-dimensional geometric shape that combines the properties of a prism with a semi-circular cross-section. Its defining feature is that it has a semi-circular base (or face) and a corresponding rectangular or parallelogram-shaped side that extends vertically, connecting the two semi-circular faces.

The paper net of this shape is a two-dimensional diagram that, when cut out and folded along designated edges, forms the three-dimensional semi circle prism. It essentially acts as a blueprint, illustrating all faces, edges, and vertices necessary to assemble the shape.

Geometric Foundations of the Semi Circle Prism

Before diving into the paper net itself, it is vital to understand the geometry underlying the semi circle prism.

- Components of the Shape

- Semi Circular Bases: Two semi-circular faces, each with a specific radius.
- Rectangular Side Face: The curved surface between the two semi-circular bases, typically represented as a rectangle or a curved rectangle in the net.

- Dimensions and Properties

- Radius (r): The radius of the semi-circular faces.
- Height (h): The distance between the two semi-circular bases.
- Circumference of Semi Circular Base: (πr)

- Surface Area and Volume

- Surface Area:
 - Area of two semi-circular bases: $(2 \times \frac{1}{2} \pi r^2 = \pi r^2)$
 - Lateral surface area (the curved side): $(\pi r h)$
 - Total Surface Area: $(\pi r^2 + \pi r h)$
- Volume:
 - $(\frac{1}{2} \pi r^2 h)$

Understanding these basic properties aids in designing accurate paper nets and assessing their scalability for different educational or craft purposes.

Designing the Paper Net of a Semi Circle Prism

Creating an effective paper net requires precise planning and understanding of the shape's components. Here's an in-depth look at how the net is constructed:

- Components of the Net

- Two Semi-Circular Faces: These are drawn with radius (r) . They are identical and positioned opposite each other.
- Rectangular Side: The rectangle (or curved rectangle) that connects the two semi-circular bases, with dimensions (h) (height) and the length equal to the diameter of the semi-circular bases $(2r)$.

- Step-by-Step Construction

Step 1: Draw the semi-circular base:

- Draw a straight line equal to the diameter $(2r)$.
- Find the midpoint of this line and set the compass with radius (r) .
- With the midpoint as the center, draw a semi-circle above the line.

Step 2: Replicate the semi-circular base:

- Draw a second semi-circle identical to the first, positioned parallel to the first.
- The two semi-circular faces will form the top and bottom of the prism.

Step 3: Draw the side rectangle:

- Connect the two semi-circular bases with a rectangle of height (h) .
- The rectangle's length equals the diameter $(2r)$.

Step 4: Add fold lines:

- Mark all edges where the faces meet.
- Dashed lines typically indicate fold lines, solid lines for cut edges.

Step 5: Finalize the net:

- Ensure all edges are clearly marked.
- Add tabs if necessary for gluing or assembling.

- Visual Representation

The net generally consists of:

- Two semi-circular regions (top and bottom).
- One rectangular strip connecting the two semi-circular regions.
- Tabs on the edges for proper assembly, if intended for physical construction.

Practical Applications and Uses

The semi circle prism paper net is not just a theoretical construct but finds numerous practical applications:

- Educational Purposes

- Geometry Teaching: Helps students visualize and understand 3D shapes, surface area, and volume.
- Hands-On Learning: Creating the net fosters spatial awareness and improves comprehension of geometric concepts.
- Assessment Tool: Teachers often use paper nets to assess students' understanding of shape properties.

- Craft and Art Projects

- Decorative Items: Can be used to craft decorative lampshades, ornamental structures, or artistic sculptures.
- Model Making: Ideal for creating models in architecture or engineering projects.

- Scientific Demonstrations

- Used in physics experiments and demonstrations involving light, shadows, or structural integrity of shapes.

Advantages of Using a Semi Circle Prism Paper Net

- Cost-Effective: Made from simple paper or cardstock, inexpensive and accessible.
- Educational Value: Enhances understanding of complex 3D shapes.
- Customizable: Size and dimensions can be adjusted for different learning levels or project requirements.
- Reusable: Once assembled, it can be used multiple times for demonstrations and activities.

Tips for Creating and Using a Semi Circle Prism Paper Net

- Precision in Drawing: Accurate measurements for radii and heights ensure proper assembly.
- Use of Quality Materials: Thicker paper or cardstock improves durability.
- Clear Fold Lines: Use a ruler and a blunt object to score fold lines for crisp edges.
- Effective Gluing: Use appropriate adhesives or tape for secure assembly.
- Color Coding: Highlight different faces with colors for better visual understanding.

Variations and Extensions

The basic semi circle prism can be adapted or extended in various ways:

- Adding Bases: Incorporate full circular bases for a complete cylindrical shape.
- Multiple Sections: Create multi-layered or segmented prisms for advanced models.
- Decorative Elements: Incorporate patterns, colors, or textures to enhance visual appeal.

Final Thoughts

The semi circle prism paper net is an excellent fusion of geometry, craft, and education. Its straightforward design belies its value as a teaching tool and creative medium. Whether you are an educator seeking to make abstract concepts tangible or an artist exploring innovative forms, mastering the construction and application of this shape opens up a world of possibilities.

By understanding its geometric properties, construction methods, and practical applications, users can leverage this shape for effective learning, artistic expression, and scientific exploration. As with all geometric models, attention to detail, precision, and creativity are key to maximizing its utility and impact.

In conclusion, the semi circle prism paper net embodies the elegance of mathematical shapes transformed into tangible, hands-on models. Its simplicity and versatility make it a staple in educational settings and creative pursuits, promising engaging experiences for learners and creators alike.

Question What is a semi-circle prism paper net? A semi-circle prism paper net is a two-dimensional layout that, when folded, forms a three-dimensional semi-circular prism shape used for educational or craft purposes. **Answer** How do I construct a semi-circle prism paper net? To construct it, draw the semi-circular base along with rectangular faces, then cut out the net, fold along the edges, and join the faces to form the semi-circular prism. What are the common applications of semi-circle prism paper nets? They are used in geometry learning, craft projects, architectural models, and for visualizing 3D shapes in educational settings. Can a semi-circle prism paper net be customized for different sizes? Yes, you can modify the dimensions of the base and height in the paper net to create semi-circle prisms of various sizes. What materials are best for making a semi-circle prism

paper net? Sturdy paper or cardstock is ideal as it provides durability and ease of folding to accurately form the 3D shape. How do I ensure accuracy when drawing the semi-circle prism paper net? Use a compass for precise semi-circular arcs and rulers for straight edges, then carefully measure and mark all dimensions before cutting. What are the key features of a semi-circle prism in geometry? It has two semi-circular bases connected by rectangular faces, and the height determines the distance between the bases. Is a semi-circle prism paper net suitable for educational activities? Yes, it is excellent for teaching concepts of 3D shapes, surface area, and volume in a hands-on manner. What challenges might I face when creating a semi-circle prism paper net? Common challenges include accurately drawing the semi-circular arcs, ensuring proper folding, and aligning edges correctly. Where can I find templates or examples of semi-circle prism paper nets? Various educational websites, math resource platforms, and craft blogs offer free templates and step-by-step guides for making semi-circle prism paper nets.

Related keywords: semi circle, prism, paper net, geometric net, paper craft, 3D shape, craft template, paper geometry, net pattern, semicircular prism

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