Stage 8 End of Unit 8 Test

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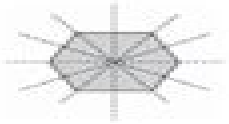
Answers

1 **a** All missing numbers are 6.

b Learner's sketch of a regular hexagon, with lines of symmetry, e.g.



[3]

2 **a** XY or YX **b** WX or XW **c** XYZ or ZYX **d** XWZ or ZWX **[4]**

3 parallelogram **[1]**

4 31.4 cm **[2]**

5 30.852 cm **[2]**

6 14.9605. . . = 15 cm (2 s.f.) **[3]**

7 **a**

3D Shape	Number of faces	Number of vertices	Number of edges
cuboid	6	8	12
square-based pyramid	5	5	8
triangular prism	5	6	9

b $E = F + V - 2$ (accept equivalent formulae) **[4]**

8 Accurate drawings required, as described below:

plan view: rectangle 3 cm by 7 cm

front elevation: right-angled triangle with base = 3 cm, height = 4 cm, hypotenuse = 5 cm

side elevation: rectangle 4 cm by 7 cm **[3]**

[TOTAL: 22 Marks]

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David Kirk

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Table of Contents End Of Unit Test 8c Answers

1. Understanding the eBook End Of Unit Test 8c Answers
    - The Rise of Digital Reading End Of Unit Test 8c Answers
    - Advantages of eBooks Over Traditional Books
2. Identifying End Of Unit Test 8c Answers
    - Exploring Different Genres
    - Considering Fiction vs. Non-Fiction
    - Determining Your Reading Goals
3. Choosing the Right eBook Platform
    - Popular eBook Platforms
    - Features to Look for in an End Of Unit Test 8c Answers
    - User-Friendly Interface
4. Exploring eBook Recommendations from End Of Unit Test 8c Answers
    - Personalized Recommendations
    - End Of Unit Test 8c Answers User Reviews and Ratings
    - End Of Unit Test 8c Answers and Bestseller Lists

5. Accessing End Of Unit Test 8c Answers Free and Paid eBooks
    - End Of Unit Test 8c Answers Public Domain eBooks
    - End Of Unit Test 8c Answers eBook Subscription Services
    - End Of Unit Test 8c Answers Budget-Friendly Options
6. Navigating End Of Unit Test 8c Answers eBook Formats
    - ePub, PDF, MOBI, and More
    - End Of Unit Test 8c Answers Compatibility with Devices
    - End Of Unit Test 8c Answers Enhanced eBook Features
7. Enhancing Your Reading Experience
    - Adjustable Fonts and Text Sizes of End Of Unit Test 8c Answers
    - Highlighting and Note-Taking End Of Unit Test 8c Answers
    - Interactive Elements End Of Unit Test 8c Answers
8. Staying Engaged with End Of Unit Test 8c Answers
    - Joining Online Reading Communities
    - Participating in Virtual Book Clubs
    - Following Authors and Publishers End Of Unit Test 8c Answers
9. Balancing eBooks and Physical Books End Of Unit Test 8c Answers
    - Benefits of a Digital Library
    - Creating a Diverse Reading Collection End Of Unit Test 8c Answers
10. Overcoming Reading Challenges
    - Dealing with Digital Eye Strain
    - Minimizing Distractions
    - Managing Screen Time
11. Cultivating a Reading Routine End Of Unit Test 8c Answers
    - Setting Reading Goals End Of Unit Test 8c Answers
    - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of End Of Unit Test 8c Answers
    - Fact-Checking eBook Content of End Of Unit Test 8c Answers
    - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends
    - Integration of Multimedia Elements
    - Interactive and Gamified eBooks

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