

**GRADE 8 MATHEMATICS
NOVEMBER EXAMINATION PAPER 2**

QUESTION 1

Choose and circle the correct answer.

1.1 Which statement is true about a parallelogram? (1)

- A opposite sides are parallel and equal.
- B opposite sides are equal but not parallel.
- C all angles are equal.
- D none of the above.

1.2 If a quadrilateral has angles of the following sizes, 50° , 126° , 42° , what would the size of the last angle be? (1)

- A 180°
- B 126°
- C 136°
- D 90°

1.3 The correct formula for calculating the volume of a triangular prism: (1)

- A $\frac{1}{2}b \times h \times H$
- B $l \times b \times H$
- C $l + b$
- D $x + x + x$

1.4 The theorem of Pythagoras states: (1)

- A Right side + Hypotenuse = Right side
- B Hypotenuse + Right side = Right side
- C Hypotenuse = Right side² + Right side²
- D Hypotenuse = $\sqrt{\text{Right side}^2 + \text{Right side}^2}$

1.5 If the radius of a circle is doubled the circumference of the circle will: (1)

- A double
- B halve
- C remain the same
- D 4x the original circumference.

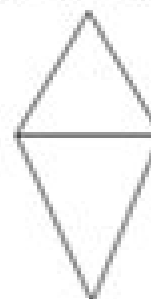
1.6 What would the area of a triangle with a base of 8 and perpendicular height of 3 be? (1)

- A 20units²
- B 40units
- C 12units²
- D 20units

$$8 \times 3 = 6$$

QUESTION 2

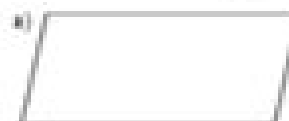
Add all the relevant properties of the following shape:



$$8 \times 2 = 36$$

QUESTION 3: 2D GEOMETRY

3.1 Name the following shapes:



_____ (1)

_____ (1)

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**Chu Kiong Loo, Yap Keem Siah, Kok Wai
Wong, Andrew Teoh Beng Jin, Kaizhu
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Table of Contents Pixel Maths November Paper 2 2014

1. Understanding the eBook Pixel Maths November Paper 2 2014
 - The Rise of Digital Reading Pixel Maths November Paper 2 2014
 - Advantages of eBooks Over Traditional Books
2. Identifying Pixel Maths November Paper 2 2014
 - 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 Pixel Maths November Paper 2 2014
 - User-Friendly Interface
4. Exploring eBook Recommendations from Pixel Maths November Paper 2 2014
 - Personalized Recommendations
 - Pixel Maths November Paper 2 2014 User Reviews and Ratings
 - Pixel Maths November Paper 2 2014 and Bestseller Lists
5. Accessing Pixel Maths November Paper 2 2014 Free and Paid eBooks
 - Pixel Maths November Paper 2 2014 Public Domain eBooks
 - Pixel Maths November Paper 2 2014 eBook Subscription Services
 - Pixel Maths November Paper 2 2014 Budget-Friendly Options
6. Navigating Pixel Maths November Paper 2 2014 eBook Formats

- ePub, PDF, MOBI, and More
- Pixel Maths November Paper 2 2014 Compatibility with Devices
- Pixel Maths November Paper 2 2014 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Pixel Maths November Paper 2 2014
 - Highlighting and Note-Taking Pixel Maths November Paper 2 2014
 - Interactive Elements Pixel Maths November Paper 2 2014
- 8. Staying Engaged with Pixel Maths November Paper 2 2014
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Pixel Maths November Paper 2 2014
- 9. Balancing eBooks and Physical Books Pixel Maths November Paper 2 2014
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Pixel Maths November Paper 2 2014
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Pixel Maths November Paper 2 2014
 - Setting Reading Goals Pixel Maths November Paper 2 2014
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Pixel Maths November Paper 2 2014
 - Fact-Checking eBook Content of Pixel Maths November Paper 2 2014
 - 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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