

IGCSE MATHS

0580/22

PAPER 2

October November-22

Full Solution

Cambridge IGCSE™

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name

Candidate
number

Candidate
number

MATHEMATICS

Paper 2 (Extended)

0580/22

October/November 2022

1 hour 45 minutes

You must answer on the question paper.

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Solved

INSTRUCTIONS

- Answer all questions.
- Use a pencil in both hand parts. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answers to each question in the spaces provided.
- Do not use an erasable pen or correction fluid.
- Do not write on any bar codes.
- Any rough work should be done on separate paper.

1. The diagram shows the number of items in a box at regular intervals.

(a) Find the gradient of the line.

(b) Find the number of items in the box at time 5.

(c) Find the number of items in the box at time 10.

(d) Find the number of items in the box at time 15.

(e) Find the number of items in the box at time 20.

(f) Find the number of items in the box at time 25.

(g) Find the number of items in the box at time 30.

(h) Find the number of items in the box at time 35.

(i) Find the number of items in the box at time 40.

(j) Find the number of items in the box at time 45.

(k) Find the number of items in the box at time 50.

(l) Find the number of items in the box at time 55.

(m) Find the number of items in the box at time 60.

(n) Find the number of items in the box at time 65.

(o) Find the number of items in the box at time 70.

(p) Find the number of items in the box at time 75.

(q) Find the number of items in the box at time 80.

(r) Find the number of items in the box at time 85.

(s) Find the number of items in the box at time 90.

(t) Find the number of items in the box at time 95.

(u) Find the number of items in the box at time 100.

2. The table shows the number of items in a box.

Number of items	Frequency
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10

Find the

mean of the

items in the

box.

Find the

standard deviation

of the items

in the box.

Find the

variance of the

items in the

box.

Find the

coefficient of

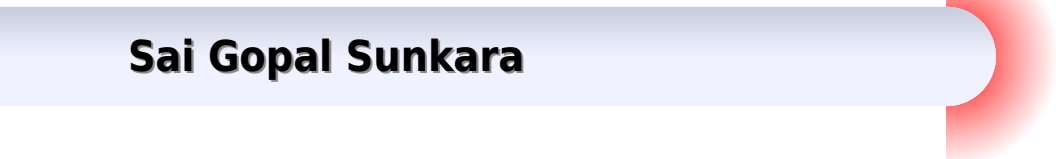
variation of the

items in the

box.

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Sai Gopal Sunkara



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The Top Books of the Year Xtreme Igcse Math Paper 43 Winter 2013 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous compelling novels captivating the hearts of readers worldwide. Lets delve into the realm of bestselling books, exploring the fascinating narratives that have charmed audiences this year. The Must-Read : Colleen Hoover "It Ends with Us" This touching tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover masterfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can succeed. Xtreme Igcse Math Paper 43 Winter 2013 : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This intriguing historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids captivating storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Xtreme Igcse Math Paper 43 Winter 2013 : Delia Owens "Where the Crawdads Sing" This evocative coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens crafts a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These popular novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of engaging stories waiting to be discovered. The novel begins with Richard Popen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a brilliant and suspenseful novel that will keep you speculating until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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Table of Contents Xtreme Igcse Math Paper 43 Winter 2013

1. Understanding the eBook Xtreme Igcse Math Paper 43 Winter 2013
 - The Rise of Digital Reading Xtreme Igcse Math Paper 43 Winter 2013
 - Advantages of eBooks Over Traditional Books
2. Identifying Xtreme Igcse Math Paper 43 Winter 2013
 - 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 Xtreme Igcse Math Paper 43 Winter 2013
 - User-Friendly Interface
4. Exploring eBook Recommendations from Xtreme Igcse Math Paper 43 Winter 2013
 - Personalized Recommendations
 - Xtreme Igcse Math Paper 43 Winter 2013 User Reviews and Ratings
 - Xtreme Igcse Math Paper 43 Winter 2013 and Bestseller Lists
5. Accessing Xtreme Igcse Math Paper 43 Winter 2013 Free and Paid eBooks
 - Xtreme Igcse Math Paper 43 Winter 2013 Public Domain eBooks
 - Xtreme Igcse Math Paper 43 Winter 2013 eBook Subscription Services
 - Xtreme Igcse Math Paper 43 Winter 2013 Budget-Friendly Options
6. Navigating Xtreme Igcse Math Paper 43 Winter 2013 eBook Formats
 - ePub, PDF, MOBI, and More
 - Xtreme Igcse Math Paper 43 Winter 2013 Compatibility with Devices
 - Xtreme Igcse Math Paper 43 Winter 2013 Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Xtreme Igcse Math Paper 43 Winter 2013
 - Highlighting and Note-Taking Xtreme Igcse Math Paper 43 Winter 2013
 - Interactive Elements Xtreme Igcse Math Paper 43 Winter 2013
8. Staying Engaged with Xtreme Igcse Math Paper 43 Winter 2013

- Joining Online Reading Communities
- Participating in Virtual Book Clubs
- Following Authors and Publishers Xtreme Igcse Math Paper 43 Winter 2013
- 9. Balancing eBooks and Physical Books Xtreme Igcse Math Paper 43 Winter 2013
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Xtreme Igcse Math Paper 43 Winter 2013
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Xtreme Igcse Math Paper 43 Winter 2013
 - Setting Reading Goals Xtreme Igcse Math Paper 43 Winter 2013
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Xtreme Igcse Math Paper 43 Winter 2013
 - Fact-Checking eBook Content of Xtreme Igcse Math Paper 43 Winter 2013
 - 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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web nov 25 2020 in weisbach method the theodolite is set up slightly out of line forming a small triangle with the two wires this triangle is known as weisbach triangle the azimuth of the line joining the two wires is found by solution

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web the weisbach triangle method is the most popular underground surveying m ethod in civil engineering draw the relevant s ketches and write the equati ons used in this me thod see chapter 13 of the textbook engin eering surve ying by w schofield an d m breach

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web definition of weisbach triangle definition of weisbach triangle i a configuration used in the surveying of a mine shaft ref
pryor 3 ii the highly attenuated triangle formed by the plan position of two shaft plumb lines and one observation station ref
bs 7