

# SINGAPORE MATH PRACTICE LEVEL 5B GRADE 6

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### **Singapore Math Practice: Level 5B, Grade 6**

Singapore Math is a renowned mathematics curriculum that emphasizes problem-solving and critical thinking skills. Level 5B is designed for Grade 6 students and aims to further develop their proficiency in various mathematical concepts.

#### **Question 1:**

A farmer has 560 oranges and 320 apples. If he wants to distribute the fruits equally among 8 baskets, how many oranges and apples will each basket contain?

#### **Answer:**

Total fruits =  $560 + 320 = 880$  Number of fruits in each basket =  $880 \div 8 = 110$

Each basket contains 110 oranges and 110 apples.

#### **Question 2:**

A rectangular garden has a length of 12 meters and a width of 8 meters. What is the perimeter of the garden?

#### **Answer:**

Perimeter =  $2(\text{length} + \text{width})$  Perimeter =  $2(12 + 8)$  Perimeter =  $2(20) = 40$  meters

#### **Question 3:**

A train travels 360 kilometers in 3 hours. If it maintains the same speed, how long will it take to travel 900 kilometers?

**Answer:**

Speed = Distance  $\div$  Time Speed =  $360 \div 3 = 120$  km/h

Time = Distance  $\div$  Speed Time =  $900 \div 120 = 7.5$  hours

**Question 4:**

A store is selling apples at a discounted price of \$0.60 per apple. If a customer buys 3 dozen apples, how much will they pay, excluding tax?

**Answer:**

1 dozen = 12 apples 3 dozen apples =  $3 \times 12 = 36$  apples Total cost =  $36 \times \$0.60 = \$21.60$

**Question 5:**

A cube has a volume of 64 cubic centimeters. What is the length of one side of the cube?

**Answer:**

Volume of a cube = (Side length)<sup>3</sup> Side length =  $\sqrt[3]{64} = 4$  centimeters

### **Terry Pratchett's Sourcery: A Mind-Bending Fantasy Adventure**

In Terry Pratchett's captivating novel, "Sourcery," readers embark on a magical journey into the chaotic and dangerous world of the Discworld. The story revolves around Rincewind, the inept wizard, and Twoflower, a curious tourist from a faraway land, who find themselves drawn into a web of sorcery and intrigue.

#### **1. Who is the protagonist of the novel?**

- Rincewind, the hapless wizard, serves as the protagonist of "Sourcery." His bumbling and often comical nature provides a humorous lens through which the fantastical plot unfolds.

## **2. What is the main conflict of the story?**

- The Discworld is threatened by the emergence of Sourcery, a chaotic and destructive form of magic. Rincewind and Twoflower must embark on a perilous quest to find a way to contain this threat and save the world from chaos.

## **3. What is the significance of the Eighth Spell?**

- The Eighth Spell is a powerful and ancient incantation that can control reality. However, it is also extremely dangerous, and if used carelessly, could lead to catastrophic consequences.

## **4. How does Rincewind's character develop throughout the novel?**

- Despite his initial reluctance and ineptitude, Rincewind gradually comes to embrace his role as a hero. He learns to harness his magical abilities and overcome his fears, proving that even the most unlikely individuals can rise to the occasion.

## **5. What are some of the key themes explored in "Sourcery"?**

- The nature of chaos vs. order, the importance of self-discovery, and the dangers of unchecked ambition are some of the central themes that Pratchett explores in this thought-provoking and entertaining novel.

## **Solution of BBC Compacta Class 8**

The BBC Compacta Class 8 is a compact tractor designed for small-scale farming and gardening applications. It features a powerful engine, a sturdy frame, and a variety of attachments. In this article, we will provide the answers to common questions regarding the BBC Compacta Class 8.

**Q1: What is the engine power of the BBC Compacta Class 8?** A1: The engine power of the BBC Compacta Class 8 is 8 horsepower.

**Q2: What type of transmission does the BBC Compacta Class 8 use?** A2: The BBC Compacta Class 8 uses a 3-speed manual transmission.

**Q3: What is the weight capacity of the BBC Compacta Class 8?** A3: The BBC Compacta Class 8 has a weight capacity of 600 kilograms.

**Q4: What attachments are available for the BBC Compacta Class 8?** A4: A variety of attachments are available for the BBC Compacta Class 8, including a mower, a plow, a cultivator, and a snow blower.

**Q5: How do I maintain the BBC Compacta Class 8?** A5: To maintain the BBC Compacta Class 8, it is important to perform regular maintenance tasks, such as checking the oil level, cleaning the air filter, and changing the spark plugs. Additionally, it is important to lubricate all moving parts and store the tractor in a dry, sheltered location when not in use.

## **The Physician Cole Family Trilogy: 1. Noah Gordon**

### **1. What is the Physician Cole Family Trilogy?**

The Physician Cole Family Trilogy is a historical fiction series by Noah Gordon that follows the lives of three generations of the Cole family. The trilogy spans from the 11th century to the 16th century and explores the development of medicine and the role of physicians during those times.

### **2. Who is Noah Gordon?**

Noah Gordon is an American author best known for his historical fiction novels. He is a graduate of the Harvard Medical School and his works often blend historical accuracy with medical themes. The Physician Cole Family Trilogy is considered his most famous work.

### **3. What is the plot of the first book, "Noah Gordon"?**

The first book in the trilogy, titled "Noah Gordon," follows the story of Robert Cole, a young physician who travels from England to Persia in the 11th century. Robert becomes a student of the renowned physician Ibn Sina and learns the secrets of ancient medicine. Throughout his journey, he encounters challenges, adventures, and the societal complexities of the medieval world.

### **4. Why is the trilogy so popular?**

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The Physician Cole Family Trilogy has gained widespread popularity due to its rich historical detail, compelling characters, and engaging narrative. Gordon's medical expertise adds depth to the medical aspects of the story, while his vivid descriptions transport readers to the vibrant cultures and landscapes of the medieval period.

### 5. What are some of the themes explored in the trilogy?

The Physician Cole Family Trilogy explores various themes, including the evolution of medical knowledge, the importance of cultural exchange, and the human struggle against disease and adversity. It highlights the transformative power of medicine and the enduring spirit of those dedicated to healing.

[terry pratchett sourcery](#), [solution of bbc compacta class 8](#), [the physician cole family trilogy 1 noah gordon](#)

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