

ALGEBRA REFRESHER MODULE SET

- Find the number of terms 5 , 8 , 11 _ of which sum is 1025.
a. 20 b. 22 c. 24 d. 25
- An engineering component has a mass of 400 g. If each of its dimensions are reduced by 30% , determine the new mass.
a. 125.6 g b. 115.6 c. 158.7 d. 137.2
- Twelve workmen employed on a building site earn between them, a total of P 2415 per week. Laborers are paid P 175 per week and craftsmen earn P 220 per week. How many craftsmen are employed?
a. 5 b. 7 c. 6 d. 8
- At what time after 12 noon will the minute hand and hour hand of a clock be on a straight line for the first time?
a. 12:40.5 b. 12:27.6 c. 12:32.7 d. 12:16.1
- The geometric mean of two numbers is 6 while the arithmetic mean is 4. Find the product of geometric and harmonic means.
a. 24 b. 54 c. 16 d. 36
- One liter of a 25% solution is mixed with 3 liters of a 40% solution. What is the percentage of sugar in the new mixture?
a. 13.75% b. 36.25% c. 23.55% d. 44.35%
- A is 8% taller than B , while B is 9% taller than C. By how much percent is A taller than C?
a. 12.22% b.13.86% c.17.72% d. 19.04%
- What is the sum of the roots of the equation $3x^2 - 4x + 4 = 0$?
a. -4 b. 4 c. 4/3 d. -4/3
- Find the 5th term of the expansion $(2 - x)^{-6}$?
a. $60x^5$ b. $12x^5$ c. $-60x^5$ d. $12x^5$
- Calculate the following sum:
$$\sum_{j=1}^3 [(j+1)^2 - 1]$$

a. 76 b. 85 c. 90 d. 80

- Find the nth term of the series 1, 4 , 7 , 10 , 13 _
a. $3n - 2$ b. $3n + 2$ c. $2n + 2$ d. $n + 2$
- Solve for x: $3x - 4x = 12$
a. 3 b. 4 c. 7 d. 10
- The length of a triangle exceeds twice its width by 3 inches. If the area of the rectangle is 10 , calculate the measure of the width.
a. 2.4 b. 2.1 c. 1.6 d. 1.3
- One number is more than the another and the sum is 71. Find the larger number.
a. 36 b. 31 c. 34 d. 38
- The sum of the ages of the two brothers is 20. In five years, one is twice the another. Find the present ages of the two brothers.
a. 5,15 b. 14,24 c. 8,18 d. 11,21
- Simplify this radical:

$$\sqrt{\sqrt{16x^2}}$$

- a. 4x b. $2\sqrt{x}$ c. 2x d. $4\sqrt{x}$
- Which of the following is NOT a perfect number?

Refresher Math 86

D Kirk



Refresher Math 86:

The book delves into Refresher Math 86. Refresher Math 86 is an essential topic that needs to be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Refresher Math 86, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:

- Chapter 1: Introduction to Refresher Math 86
- Chapter 2: Essential Elements of Refresher Math 86
- Chapter 3: Refresher Math 86 in Everyday Life
- Chapter 4: Refresher Math 86 in Specific Contexts
- Chapter 5: Conclusion

2. In chapter 1, the author will provide an overview of Refresher Math 86. The first chapter will explore what Refresher Math 86 is, why Refresher Math 86 is vital, and how to effectively learn about Refresher Math 86.
3. In chapter 2, this book will delve into the foundational concepts of Refresher Math 86. This chapter will elucidate the essential principles that need to be understood to grasp Refresher Math 86 in its entirety.
4. In chapter 3, the author will examine the practical applications of Refresher Math 86 in daily life. The third chapter will showcase real-world examples of how Refresher Math 86 can be effectively utilized in everyday scenarios.
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6. In chapter 5, this book will draw a conclusion about Refresher Math 86. The final chapter will summarize the key points that have been discussed throughout the book.

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