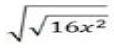
ALGEBRA REFRESSER MODULE SET

- 1. 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. 115.8
 c. 158.7
 d. 137.2
- 3. Twelve workmen employed on a building site earn between them, a total of P 2815 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
- 4. 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. 12:27.8
 c. 12:32.7
 d. 12:16.1
- 5. 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 suppar in the new mixture?
 a. 13.75%
 b. 36.25%
 c. 23.55%
 d. 44.35%
- 7. A is 8% taller than B , while B is 9% taller than C. By how much percent is A taller than CF a. 12.22% b.13.86% c.17.72% d. 19.04%
- 8. What is the sum of the roots of the equation $3x^2-4x+6=0$? a. -4 b. 4 c. 4/3 d. -4/3
- 9. Find the 5th term of the expansion $(2-\kappa)^{\alpha}$ 67 a. $60\kappa^{1}$ b. $12\kappa^{\alpha}$ c. $60\kappa^{2}$ d. $12\kappa^{3}$
- 10. Calculate the following sum:

$$\sum_{j=1}^{5}[(j+1)^{2}-1]$$

- a. 76 b. 85 c. 90 d. 89
- 11. Find the nth term of the meries 1, 4 ,7 , 10 , 13...
 a. 3n 2
 b. 3n + 2
 c. 2n + 2
 d. n + 2
- 12. Solve for x: 7x 4x + 12 a. 3 b. 4 c. 7 d. 10
- 13. 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
- 14. One number is more than the another and the sum is 71. Find the larger number. a. 36 b. 31 c. 34 d. 38
- 15. The sum of the ages of the two brothers is 20. In five years, one is twice the amother. Find the present ages of the two brothers.

 a. 5,15
 b. 14,24
 c. 8,18
 d. 11,21
- 16. Simplify this radical:



- a. 4x b. 2Vs c. 2x d. 4Vs
- 17. Which of the following is NOT a perfect number?

Refresher Math 86

D Kirk

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